Form 5500

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Annual Return/Report of Employee Benefit Plan

This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500.**

OMB Nos. 1210-0110
1210-0089

2017

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

A This return/report is for:
- [ ] a multiemployer plan
- [ ] a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- [X] a single-employer plan
- [ ] a DFE (specify) ____

B This return/report is:
- [ ] the first return/report
- [ ] the final return/report
- [X] an amended return/report
- [ ] a short plan year return/report (less than 12 months)

C If the plan is a collectively-bargained plan, check here. . . . . ▶ [ ]

D Check box if filing under:
- [X] Form 5558
- [ ] automatic extension
- [ ] the DFVC program
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A

1b Three-digit plan number (PN) ▶ 001

1c Effective date of plan 06/01/1982

2a Plan sponsor's name (employer, if for a single-employer plan)
Mailing address (include room, apt., suite no. and street, or P.O. Box)
City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions)
PECOFACET (US), INC.

6035 PARKLAND BOULEVARD
CLEVELAND, OH 44124-4141

2b Employer Identification Number (EIN)
26-1200603

2c Plan Sponsor's telephone number
216-896-3000

2d Business code (see instructions)
333900

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	05/18/2020	PATRICIA EMOND
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☐ Same as Plan Sponsor

PARKER TOTAL REWARDS ADMINISTRATION COMMITTEE

6035 PARKLAND BOULEVARD
CLEVELAND, OH 44124-4141

3b Administrator's EIN: 34-0451060

3c Administrator's telephone number: 216-896-3000

4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report:

a Sponsor's name

c Plan Name RETIREMENT PLAN FOR EMPLOYEES OF PERRY EQUIPMENT COMPANY

4b EIN

4d PN

5 Total number of participants at the beginning of the plan year	**5**	389
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines **6a(1), 6a(2), 6b, 6c,** and **6d**).		
a(1) Total number of active participants at the beginning of the plan year	**6a(1)**	59
a(2) Total number of active participants at the end of the plan year	**6a(2)**	9780
b Retired or separated participants receiving benefits	**6b**	15862
c Other retired or separated participants entitled to future benefits	**6c**	6268
d Subtotal. Add lines **6a(2)**, **6b**, and **6c**	**6d**	31910
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	3025
f Total. Add lines **6d** and **6e**.	**6f**	34935
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	71
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	**7**	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

1I 3D

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply)		**9b** Plan benefit arrangement (check all that apply)	
(1)	☐ Insurance	**(1)**	☐ Insurance
(2)	☐ Code section 412(e)(3) insurance contracts	**(2)**	☐ Code section 412(e)(3) insurance contracts
(3)	☒ Trust	**(3)**	☒ Trust
(4)	☐ General assets of the sponsor	**(4)**	☐ General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- **(1)** ☒ **R** (Retirement Plan Information)
- **(2)** ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- **(3)** ☒ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- **(1)** ☒ **H** (Financial Information)
- **(2)** ☐ **I** (Financial Information – Small Plan)
- **(3)** ☐ 0 **A** (Insurance Information)
- **(4)** ☒ **C** (Service Provider Information)
- **(5)** ☒ **D** (DFE/Participating Plan Information)
- **(6)** ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) .....…… ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ……..... ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2017 Form M-1 annual report. If the plan was not required to file the 2017 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code_____

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2017

This Form is Open to Public Inspection

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of $1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan
PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
PECOFACET (US), INC.

D Employer Identification Number (EIN)
26-1200603

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1 Enter the valuation date: Month 06 Day 01 Year 2017

2 Assets:

a Market value	**2a**	21964495
b Actuarial value	**2b**	21973613

3 Funding target/participant count breakdown

	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	185	10293589	10293589
b For terminated vested participants	145	5081758	5081758
c For active participants	59	2561342	2561342
d Total	389	17936689	17936689

4 If the plan is in at-risk status, check the box and complete lines (a) and (b) [ ]

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	
5 Effective interest rate	**5**	5.84 %
6 Target normal cost	**6**	39150286

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE

Signature of actuary

04/09/2020
Date

GREGORY H. REYNOLDS
Type or print name of actuary

17-06401
Most recent enrollment number

AON CONSULTING, INC.
Firm name

216-573-9700
Telephone number (including area code)

5005 ROCKSIDE ROAD
INDEPENDENCE, OH 44131
Address of the firm

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions [ ]

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	346345826
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	68913959
9	Amount remaining (line 7 minus line 8)	0	277431867
10	Interest on line 9 using prior year's actual return of 11.54 %	0	32015637
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		0
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 6.30%		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance		0
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections		
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	309447504

Part III Funding Percentages

14	Funding target attainment percentage	14	122.50%
15	Adjusted funding target attainment percentage	15	122.50%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	121.40%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/25/2018	200000000	0			
			Totals ► 18(b)	200000000	18(c) 0

19	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
	a Contributions allocated toward unpaid minimum required contributions from prior years.	19a	0
	b Contributions made to avoid restrictions adjusted to valuation date	19b	0
	c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	185517143

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:

a Segment rates:	1st segment: 4.16%	2nd segment: 5.72%	3rd segment: 6.48%	☐ N/A, full yield curve used
b Applicable month (enter code)			**21b**	4
22 Weighted average retirement age			**22**	62

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.		☒ Yes	☐ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.		☒ Yes	☐ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.		☒ Yes	☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**		

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	**28**	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	**29**	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	**30**	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):

a Target normal cost (line 6)	**31a**	39150286
b Excess assets, if applicable, but not greater than line 31a	**31b**	667737

32 Amortization installments:	Outstanding Balance	Installment
a Net shortfall amortization installment	145521757	22809808
b Waiver amortization installment	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	**33**	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	**34**	61292357

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	67079074	67079074

36 Additional cash requirement (line 34 minus line 35)	**36**	0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	185517143
38 Present value of excess contributions for current year (see instructions)		
a Total (excess, if any, of line 37 over line 36)	**38a**	185517143
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	61292357
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	0
40 Unpaid minimum required contributions for all years	**40**	0

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:

a Schedule elected ☐ 2 plus 7 years ☐ 15 years

b Eligible plan year(s) for which the election in line 41a was made ☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

42 Amount of acceleration adjustment	**42**	
43 Excess installment acceleration amount to be carried over to future plan years	**43**	

SCHEDULE C (Form 5500)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ **File as an attachment to Form 5500.**	**2017** **This Form is Open to Public Inspection.**

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

A Name of plan
PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
PECOFACET (US), INC.

D Employer Identification Number (EIN)
26-1200603

Part I Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. . . . . [X] Yes [ ] No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

THE VANGUARD GROUP

23-1945930

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

CONDUENT HR SOLUTIONS, LLC

04-3609848

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13	PLAN ADMINISTRATOR	1328973	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

JP MORGAN

13-4179575

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	1072308	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

CAPITAL GUARDIAN

95-2553868

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	996359	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

PIMCO

33-0629048

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	922652	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

WALTER SCOTT GLOBAL INV MGMT

76-6192146

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 40	INVESTMENT MANAGER	848644	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

GRANTHAM MAYO

04-2691242

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	779576	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

COPPER ROCK INTERNATIONAL

27-2016436

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	764526	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

ABERDEEN ASSET MANAGEMENT

51-0368279

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	714189	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

SANDS CAPITAL MANAGEMENT, LLC

20-2830751

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	668321	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

FRANKLIN TEMPLETON GLOBAL

80-0733663

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	527637	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

BANK OF NEW YORK MELLON

13-5160382

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
21	TRUSTEE	433956	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

PZENA

13-3860154

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	416334	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

WILLIAM BLAIR & COMPANY, LLC.

36-2214610

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	392366	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

PARKER HANNIFIN CORPORATION

34-0451060

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
30	PENSION ADMINISTRATION	371877	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

NEW ENGLAND PENSION CONSULTANTS

26-1429809

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	INVESTMENT ADVISOR	290000	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

AON

36-2265791

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10	ACTUARY	287592	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

HEXAVEST, INC.

27-4751991

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 40	INVESTMENT MANAGER	201138	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

BLACK ROCK INST'L TRUST CO, N.A.

26-3816145

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MANAGER	196163	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

BAKER AND HOSTELLAR

34-0082025

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29	LEGAL COUNSEL	115740	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

TOWERS WATSON DELAWARE

52-2211537

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
11 50	ACTUARY	106420	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

PRICEWATERHOUSECOOPERS

13-4008324

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
17	CONSULTANT	69296	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

VANGUARD ADVISORS INC.

23-2811930

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27 28 50	INVESTMENT MGR/TRUSTEE	46273	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

RSM US LLP

42-0714325

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10	AUDITORS	26000	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

LBMC

62-1199757

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10	AUDITORS	13700	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

TOTAL MARKETING RESOURCES

27-3112843

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
36	PRINTING AND MAILING	7648	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

QDRO CONSULTANTS

34-1821650

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
17	PENSION CONSULTANTS	6475	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes [ ] No [ ]	Yes [ ] No [ ]		Yes [ ] No [ ]

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received $1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)

(complete as many entries as needed)

a Name: LBMC, PC

b EIN: 62-1199757

c Position: ACCOUNTANTS

d Address: 201 FRANKLIN ROAD
P. O. BOX 1869
BRENTWOOD, TN 37024

e Telephone: 615-377-4600

Explanation: THIS PLAN WAS ACQUIRED BY PARKER-HANNIFIN CORPORATION (THE COMPANY) AS A RESULT OF ITS CLARCOR, INC. ACQUISITION. SUBSEQUENT TO THE ACQUISITION, THE COMPANY ELECTED TO RETAIN THE ACCOUNTING FIRM OF ITS EXISTING EBP FOR ALL RELATED ACTIVITY.

a Name: TOWERS WATSON DELAWARE

b EIN: 53-0181291

c Position: ACTUARIES

d Address: 1001 LAKESIDE AVENUE
SUITE 1500
CLEVELAND, OH 44114-1172

e Telephone: 216-937-4000

Explanation: THIS PLAN WAS ACQUIRED BY PARKER-HANNIFIN CORPORATION (THE COMPANY) AS A RESULT OF ITS CLARCOR, INC. ACQUISITION. SUBSEQUENT TO THE ACQUISITION, THE COMPANY ELECTED TO RETAIN THE ACTUARIAL FIRM OF ITS EXISTING EBP FOR ALL RELATED ACTIVITY.

a Name:

b EIN:

c Position:

d Address:

e Telephone:

Explanation:

a Name:

b EIN:

c Position:

d Address:

e Telephone:

Explanation:

a Name:

b EIN:

c Position:

d Address:

e Telephone:

Explanation:

SCHEDULE D (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

DFE/Participating Plan Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2017

This Form is Open to Public Inspection.

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

A Name of plan
PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A

B Three-digit plan number (PN) ▶ 001

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
PECOFACET (US), INC.

D Employer Identification Number (EIN)
26-1200603

Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs)

(Complete as many entries as needed to report all interests in DFEs)

a Name of MTIA, CCT, PSA, or 103-12 IE: EQUITY INDEX NON-LENDING FUND

b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
80-0300291-000	C	56901984

a Name of MTIA, CCT, PSA, or 103-12 IE: LONG TERM CREDIT BOND INDEX FUND

b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
94-3118550-000	C	287947728

a Name of MTIA, CCT, PSA, or 103-12 IE: JPMCB EMERGING MKTS EQUITY FOCUSED

b Name of sponsor of entity listed in (a): JP MORGAN CHASE BANK, N.A.

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
13-4179575-000	C	113306709

a Name of MTIA, CCT, PSA, or 103-12 IE: WALTER SCOTT GLOBAL FUND

b Name of sponsor of entity listed in (a): WALTER SCOTT GLOBAL FUND

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
76-6192146-000	C	129832083

a Name of MTIA, CCT, PSA, or 103-12 IE: EMERGING MKTS SMALL COMPANIES FUND

b Name of sponsor of entity listed in (a): ABERDEEN ASSET MANAGEMENT INC.

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
61-1581337-000	C	85486132

a Name of MTIA, CCT, PSA, or 103-12 IE: FRANKLIN TEMPLETON GLOBAL MS PLUS

b Name of sponsor of entity listed in (a): FRANKLIN TEMPLETON

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
80-0733663-000	C	148015525

a Name of MTIA, CCT, PSA, or 103-12 IE: CR INTL SMALL CAP COMMINGLED FUND

b Name of sponsor of entity listed in (a): COPPER ROCK CAPITAL PARTNERS

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
27-2016436-000	C	102019236

a Name of MTIA, CCT, PSA, or 103-12 IE: HEXAVEST WORLD EQUITY FUND

b Name of sponsor of entity listed in (a): EATON VANCE GROWTH TRUST

c EIN-PN 27-4751991-000	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 61333159

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

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a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Financial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2017

This Form is Open to Public Inspection

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

A Name of plan
PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
PECOFACET (US), INC.

D Employer Identification Number (EIN)
26-1200603

Part I Asset and Liability Statement

1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other	1b(3)	0	4446089
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	0	43624129
(2) U.S. Government securities	1c(2)	0	219004068
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)	0	51942501
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)	0	476144851
(5) Partnership/joint venture interests	1c(5)	0	242016527
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)	0	1303674009
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	21964495	531076006
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)	0	501280

			(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:			
	(1) Employer securities	1d(1)	0	227210696
	(2) Employer real property	1d(2)		
e	Buildings and other property used in plan operation	1e		
f	Total assets (add all amounts in lines 1a through 1e)	1f	21964495	3099640156
	Liabilities			
g	Benefit claims payable	1g		
h	Operating payables	1h		
i	Acquisition indebtedness	1i		
j	Other liabilities	1j	0	143713457
k	Total liabilities (add all amounts in lines 1g through1j)	1k	0	143713457
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	21964495	2955926699

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

	Income		(a) Amount	(b) Total
a	**Contributions:**			
	(1) Received or receivable in cash from: **(A)** Employers	2a(1)(A)		
	(B) Participants	2a(1)(B)		
	(C) Others (including rollovers)	2a(1)(C)		
	(2) Noncash contributions	2a(2)		
	(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		0
b	**Earnings on investments:**			
	(1) Interest:			
	(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	2716039	
	(B) U.S. Government securities	2b(1)(B)		
	(C) Corporate debt instruments	2b(1)(C)		
	(D) Loans (other than to participants)	2b(1)(D)		
	(E) Participant loans	2b(1)(E)		
	(F) Other	2b(1)(F)		
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		2716039
	(2) Dividends: **(A)** Preferred stock	2b(2)(A)		
	(B) Common stock	2b(2)(B)	33563611	
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		33563611
	(3) Rents	2b(3)		
	(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)	34429087	
	(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
	(C) Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result	2b(4)(C)		34429087
	(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)		
	(B) Other	2b(5)(B)	126763537	
	(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		126763537

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		
d Total income. Add all **income** amounts in column (b) and enter total	2d		197472274
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	144957996	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines **2e(1)** through **(3)**	2e(4)		144957996
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: **(1)** Professional fees	2i(1)	1590005	
(2) Contract administrator fees	2i(2)	1328973	
(3) Investment advisory and management fees	2i(3)	8661767	
(4) Other	2i(4)	26841	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		11607586
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		156565582
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		40906692
l Transfers of assets:			
(1) To this plan	2l(1)		2893055512
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☐ Unqualified **(2)** ☐ Qualified **(3)** ☒ Disclaimer **(4)** ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? ☒ Yes ☐ No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: RSM US LLP **(2)** EIN: 42-0714325

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. **(2)** ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

		Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)	4a		X	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)	4b		X	

			Yes	No	Amount
c	Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d		X	
e	Was this plan covered by a fidelity bond?	4e	X		40000000
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g	Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h	Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i	Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i	X		
j	Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j	X		
k	Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l	Has the plan failed to provide any benefit when due under the plan?	4l		X	
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m		X	
n	If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	**5b(2)** EIN(s)	**5b(3)** PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ..... ☒ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 4117183. (See instructions.)

SCHEDULE R (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Retirement Plan Information

This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2017

This Form is Open to Public Inspection.

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

A Name of plan
PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
PECOFACET (US), INC.

D Employer Identification Number (EIN)
26-1200603

Part I Distributions

All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions **1** 0

2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits):

EIN(s): 23-1945930

Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.

3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year **3** 124

Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ..... ☐ **Yes** ☒ **No** ☐ **N/A**

If the plan is a defined benefit plan, go to line 8.

5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month _____ Day _____ Year _____

If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.

6 **a** Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived) **6a**

b Enter the amount contributed by the employer to the plan for this plan year **6b**

c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount) **6c**

If you completed line 6c, skip lines 8 and 9.

7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ..... ☐ **Yes** ☐ **No** ☒ **N/A**

Part III Amendments

9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ..... ☒ **Increase** ☐ **Decrease** ☐ **Both** ☐ **No**

Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ..... ☐ **Yes** ☐ **No**

11 **a** Does the ESOP hold any preferred stock? ..... ☐ **Yes** ☐ **No**

b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ..... ☐ **Yes** ☐ **No**

12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ..... ☐ **Yes** ☐ **No**

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year	**14a**	
b The plan year immediately preceding the current plan year	**14b**	
c The second preceding plan year	**14c**	

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year	**15a**	
b The corresponding number for the second preceding plan year	**15b**	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year	**16a**	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	**16b**	

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

Parker-Hannifin
Consolidated Pension Plan - A

Financial Report
May 31, 2018

Contents

Independent Auditor's Report	1-2
Financial Statements	
Statements of Net Assets Available for Benefits at May 31, 2018 and 2017	3
Statements of Changes in Net Assets Available for Benefits for the Year Ended May 31, 2018 and Period December 1, 2016 to May 31, 2017	4
Statement of Accumulated Plan Benefits as of May 31, 2017	5
Statement of Changes in Accumulated Plan Benefits for the Year Ended May 31, 2017	5
Notes to Financial Statements	6-11
Supplemental Schedules:	
Schedule H, Line 4i -- Schedule of Assets (Held at End of Year)	12-32
Schedule H, Line 4j -- Schedule of Reportable Transactions	33-94

RSM US LLP

Independent Auditor's Report

To the Board of Directors of
Parker-Hannifin Corporation and Participants of the
Parker-Hannifin Consolidated Pension Plan - A

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of the Parker-Hannifin Consolidated Pension Plan - A (the Plan), which comprise the statements of net assets available for benefits as of May 31, 2018, the related statements of changes in net assets available for benefits for the year then ended, the statement of accumulated plan benefits as of May 31, 2017, the related statement of changes in accumulated plan benefits for the year then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the Plan Administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 10, which was certified or provided by Bank of New York Mellon, the current trustee of the Plan and Vanguard Fiduciary Trust Company, the former trustee of the Plan, except for comparing this information with the related information included in the financial statements. We have been informed by the Plan Administrator that the trustees held the Plan's assets and executes transactions. The Plan Administrator has obtained certifications from the current trustee as of May 31, 2018 and for the period July 1, 2017 to May 31, 2018, and the former trustee from June 1, 2017 to January 30, 2018, that the information provided to the Plan Administrator by the trustees are complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

RSM US LLP is the U.S. member firm of RSM International, a global network of independent audit, tax, and consulting firms. Visit rsmus.com/aboutus for more information regarding RSM US LLP and RSM International.

Emphasis of Matter – Plan Mergers
As discussed in Note 1 and Note 4 to the financial statements, the Parker- Hannifin Corporation acquired CLARCOR, Inc. including CLARCOR's wholly-owned subsidiary Perry Equipment Corporation in February 2017. Subsequent to this acquisition, the executive management of Parker- Hannifin Corporation decided to consolidate its pension plans with the CLARCOR's pension plans. In June 2017, the Parker-Hannifin Consolidated Pension Plan merged into this Plan (the Retirement Plan for Employees of Perry Equipment Corporation) and was renamed the Parker-Hannifin Consolidated Pension Plan – A. In November 2017, the CLARCOR, Inc. Pension Plan was merged into this Plan. All plan assets and accumulated plan benefits were transferred to the Plan during the 2018 Plan year.

Our disclaimer of opinion is not modified with respect to these matters.

Other Matter – 2017 Financial Statements
The financial statements of the Plan as of May 31, 2017 and for the period December 1, 2016 to May 31, 2017, were audited by other auditors whose report, dated March 15, 2018, did not express an opinion on the 2017 financial statements for the same reasons described in the Basis for Disclaimer of Opinion paragraph. Their report also indicated the form and content of the information included in the 2017 financial statements, other than that derived from the information certified by the trustee, was presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

Other Matter – Supplemental Schedules
The supplemental schedules of assets (held at year end, May 31, 2018) and reportable transactions for the year ended May 31, 2018 are required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 and are presented for the purposes of additional analysis and are not a required part of the financial statements. These supplemental schedules are the responsibility of the Plan's management. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on the supplemental schedules.

Report on Form and Content in Compliance with DOL Rules and Regulations
The form and content of the information included in the financial statements and supplemental schedules, other than that derived from the information certified or provided by the trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

RSM US LLP

Cleveland, Ohio
March 13, 2019

Parker-Hannifin Consolidated Pension Plan - A

Statements of Net Assets Available for Benefits
May 31, 2018 and 2017

	2018	2017
ASSETS		
Investments, at fair value (Note 5)	**$ 3,095,194,067**	**$ 21,964,495**
Accrued interest and dividends	**4,446,089**	**—**
Total Assets	**3,099,640,156**	**21,964,495**
LIABILITIES		
Net pending purchases	**143,713,457**	**—**
Net Assets Available For Benefits	**$ 2,955,926,699**	**$ 21,964,495**

The accompanying notes are an integral part
of the financial statements.

Parker-Hannifin Consolidated Pension Plan - A

Statements of Changes in Net Assets Available for Benefits
Year Ended May 31, 2018 and Period December 1, 2016 to May 31, 2017

	2018	2017
ADDITIONS		
Investment Income		
Interest and dividend income	$ 36,279,650	$ 513,049
Net appreciation in the fair value of investments	161,192,624	1,155,931
Total additions	197,472,274	1,668,980
DEDUCTIONS		
Benefit payments	144,957,996	562,687
Administrative expenses	11,607,586	21,093
Total deductions	156,565,582	583,780
Net increase	40,906,692	1,085,200
Transfers From Other Plans (Notes 1 and 4)	2,893,055,512	—
Net Assets Available For Benefits - Beginning Of Year	21,964,495	20,879,295
Net Assets Available For Benefits - End Of Year	$ 2,955,926,699	$ 21,964,495

The accompanying notes are an integral part
of the financial statements.

Parker-Hannifin Consolidated Pension Plan - A

Statement of Accumulated Plan Benefits
May 31, 2017

Actuarial Present Value of Accumulated Plan Benefits (Note 3)	
Vested benefits:	
Participants currently receiving payments	$ 9,328,808
Other vested participants	6,461,536
	15,790,344
Nonvested benefits	—
Total Actuarial Present Value of Accumulated Plan Benefits	$ 15,790,344

Statement of Changes in Accumulated Plan Benefits
Period December 1, 2016 to May 31, 2017

Actuarial Present Value of Accumulated Plan Benefits - Beginning of Year	$ 19,157,190
Increase (decrease) during the year attributable to:	
Assumption Changes	(3,205,282)
Benefits accumulated /actuarial losses	(111,066)
Change in discount period	512,189
Benefits Paid	(562,687)
Actuarial Present Value of Accumulated Plan Benefits - End of Year	$ 15,790,344

The accompanying notes are an integral part of the financial statements.

1. Description of the Plan

On February 28, 2017, the Parker Hannifin Corporation (the Company) acquired CLARCOR Inc. (Clarcor) including its wholly-owned subsidiary Perry Equipment Corporation. Subsequent to this acquisition, the Company decided to consolidate its pension plan with Clarcor's pension plans. On June 30, 2017, the Parker Hannifin Consolidated Plan (the Former Parker Plan) merged into the Retirement Plan for Employees of Perry Equipment Corporation (the PECO Plan). As a result of this merger, Bank of New York Mellon (BNY), the trustee of the Former Parker Plan, became the second trustee of the PECO Plan. Immediately following the merger on July 1, 2017, the PECO Plan was renamed the Parker-Hannifin Consolidated Pension Plan - A (the Plan). On November 30, 2017, the CLARCOR Inc. Pension Plan (the Clarcor Plan) was merged into the Plan. On January 29, 2018, the Company terminated Vanguard Fiduciary Trust Company, the original trustee of the Plan, and transferred all of the assets held at Vanguard to BNY.

The Plan is a noncontributory defined benefit pension plan to which the Company contributes such amounts as necessary, on an actuarial basis, to provide plan assets sufficient to pay benefits to the Plan's participants. The normal retirement age remains age 65 after the plan mergers. The Plan also provides for early retirement upon reaching established age and service levels, certain disability benefits, death benefits and certain termination provisions. Participants should refer to the appropriate summary plan description or the plan document for more complete information. The Plan is subject to the provisions of the Employee Retirement Income Security Act (ERISA), as amended, the Pension Protection Act of 2006 (PPA), as amended and corrected, and the Moving Ahead for Progress in the 21st Century Act (MAP-21).

As a result of the plan mergers, automatic participation in the Plan by new employees of the Company is restricted to certain employees. Most new employees of the Company are automatically enrolled in a defined contribution plan in lieu of their participation in the Plan. Participants of the Former Parker Plan and the Clarcor Plan retained all benefits of the respective plan that were in effect immediately preceding the mergers into the Plan.

2. Summary of Significant Accounting Policies

Basis of Accounting The accompanying financial statements are prepared on the accrual basis of accounting, however, benefit payments are recorded when paid.

Investment Valuation Investments are measured at fair value. Quoted market prices, net asset values or other observable inputs are used to determine the estimated fair value of the underlying investments of the Plan. Purchases and sales of securities are reflected on a trade-date basis.

Income Recognition Dividend income is recorded on the ex-dividend date. Interest is recorded as earned on an accrual basis. Gain or loss on disposition of securities is based on average cost of the investments. Net appreciation (depreciation) in the fair value of its investments reported in the statements of changes in net assets available for benefits consists of the realized gains (losses) from the sale of investments and the unrealized appreciation (depreciation) on those investments.

Contributions Company contributions meet the minimum funding requirements of ERISA , the PPA and MAP-21 and are designed to fund the Plan's current service costs on a current basis and to fund,over the applicable time period, the estimated accrued benefit cost arising from qualifying past service. The Company was not required to make any contributions for the year ended May 31, 2018 and period December 1, 2016 to May 31, 2017.

Expenses The Plan’s expenses are paid either by the Plan or the Company, as provided by the plan document. Expenses that are paid directly by the Company are excluded from these financial statements.

Risk and Uncertainties The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities can occur and that such change can materially affect the amounts reported in the statements of net assets available for benefits.

Plan contributions are made and the actuarial present value of accumulated plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change. Due to uncertainties in the estimation and assumptions process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

Other The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the plan administrator to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes.

Subsequent Events The Plan evaluates subsequent events that occur through the date these financial statements are available to be issued. No subsequent events occurred that required adjustment to these financial statements.

Effective June 19, 2018, the Company changed the Plan Sponsor of the Plan to Parker-Hannifin Filtration (US) Inc., a wholly-owned subsidiary.

3. Benefits

Accumulated plan benefits were calculated by consulting actuaries at June 1, 2017, the most recent benefit information date. Had the valuation been performed as of May 31, 2017, there would be no material differences in the accumulated plan benefits. The valuation was performed using the RP-2014 tables, projected using generational scale MP-2017, an updated projection scale issued by the Society of Actuaries in 2016. Accumulated plan benefits represent those future periodic payments, including lump-sum distributions that are attributable under the Plan's provisions to the service employees have rendered and include benefits expected to be paid to (a) retired or terminated employees or their beneficiaries, (b) beneficiaries of employees who have died and (c) present employees or their beneficiaries. Benefits payable under all circumstances (retirement, death, disability and termination of employment) are included to the extent they are deemed attributable to employee service rendered to the valuation date.

The actuarial present value of accumulated plan benefits is that amount that results from applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements such as for death, disability, withdrawal or retirement) between the valuation date and the expected dates of payments.

The significant assumptions for Plan reporting requirements underlying the Plan's actuarial computations at June 1, 2017 are as follows:

Actuarial Cost Method	Standard unit credit cost method
Interest Rate	7.5%
Mortality	Healthy - RP-2014 tables using projection scale MP-2017 with no collar adjustments for males and blue collar adjustments for females. Disabled - RP-2014 table using projection scale MP-2017.
Retirement Age	The incidence of retirement ranges from 5% to 100% for participants who are 55 or older.

The foregoing assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

4. Plan Mergers

During the plan year ended May 31, 2018, the net assets and accumulated plan benefits of the Former Parker Plan and the Clarcor Plan were transferred to and assumed by the Plan:

Plan Name	Effective Date	Net Assets Transferred	Assumed Accumulated Plan Benefits
Parker-Hannifin Consolidated Pension Plan	6/30/2017	**$ 2,747,441,850**	**$ 2,197,230,168**
Clarcor Inc. Pension Plan	11/30/2017	**145,613,662**	**110,351,236**
Total		**$ 2,893,055,512**	**$ 2,307,581,404**

5. Investments

The Plan's investments at May 31, 2018 and 2017 are summarized as follows:

	2018		2017	
	Fair Value	**Cost**	Fair Value	Cost
Cash and cash equivalents	**$ 43,624,129**	**$ 43,626,805**	$ —	$ —
Equity securities:				
Parker-Hannifin Corporation	**227,210,696**	**19,135,336**	—	—
Other	**476,144,851**	**352,597,196**	—	—
Government securities	**219,004,068**	**210,244,969**	—	—
Corporate debt securities	**51,942,501**	**53,773,162**	—	—
Mutual funds	**531,076,006**	**530,996,765**	21,964,495	19,445,828
Common/collective trusts	**1,303,674,009**	**959,075,956**	—	—
Limited partnerships	**242,016,527**	**196,290,615**	—	—
Miscellaneous	**501,280**	**3,304,276**	—	—
Total investments	**3,095,194,067**	**2,369,045,080**	21,964,495	19,445,828
Accrued interest and dividends	**4,446,089**	**4,446,089**	—	—
Net pending purchases	**(143,713,457)**	**(143,713,457)**	—	—
Total net investments	**$ 2,955,926,699**	**$ 2,229,777,712**	$ 21,964,495	$ 19,445,828

6. Fair Value Measurements

A summary of the Plan's investments that were measured at fair value on a recurring basis at May 31, 2018 follows:

	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash and cash equivalents	**$ 43,624,129**	**$ 41,255,129**	**$ 2,369,000**	**$ —**
Equity securities	**703,355,547**	**703,355,547**	**—**	**—**
Government securities	**219,004,068**	**153,945,659**	**65,058,409**	**—**
Corporate debt securities	**51,942,501**	**—**	**51,942,501**	**—**
Mutual funds	**303,979,494**	**303,979,494**	**—**	**—**
Miscellaneous	**501,280**	**—**	**501,280**	**—**
Total investments in the fair value hierarchy	**1,322,407,019**	**1,202,535,829**	**119,871,190**	**—**
Investments measured at net asset value [(a)]	**1,772,787,048**			
	$ 3,095,194,067	**$ 1,202,535,829**	**$ 119,871,190**	**$ —**

A summary of the Plan's investments that were measured at fair value on a recurring basis at May 31, 2017 follows:

	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Mutual funds	$ 21,964,495	$ 21,964,495	$ —	$ —

[a]Certain investments that were measured at net asset value per share (or its equivalent) have not been classified in the fair value hierarchy. These amounts are presented in the tables above to permit reconciliation of the fair value hierarchy to the amounts presented in the statement of net assets available for benefits.

Cash equivalents, which include repurchase agreements and other short-term investments, were valued at cost, which approximates fair value.

Equity securities consist of common stock of both U.S. and foreign corporations and were valued at the closing price reported on the active market on which the individual securities are traded.

Government securities and corporate debt securities are valued using both market observable inputs for similar assets that were traded on an active market and the closing price on the active market on which the individual securities are traded.

Mutual funds were valued using the closing market price reported on the active market on which the fund was traded. The funds primarily provided exposure to U.S. and international equities, high-yield and emerging market fixed income securities, real estate and commodities.

Miscellaneous includes a long term private placement investment and a life insurance product which were measured at fair value using observable inputs.

Investments measured at net asset value include non-exchange traded mutual funds, common/collective trusts and limited partnerships. Non-exchange traded mutual funds consist primarily of fixed income securities available to institutional clients. Common/collective trusts primarily consist of equity and fixed income funds and provide exposure to large, mid and small cap U.S. equities, international large and small cap equities, emerging market equities, and U.S., international and emerging market debt securities. Non-exchange traded mutual funds can be redeemed daily and without restriction. Common/collective trust investments can be redeemed after giving appropriate notice to the issuer. Limited partnerships include hedge funds which can be redeemed either monthly or quarterly and without restriction after giving appropriate notice to the issuer. Generally, the common/collective trusts require no more than a 60 day redemption notice while the limited partnership investments require no more than a 95 day redemption notice. At May 31, 2018, the Plan had no unfunded commitments related to common/collective trusts or limited partnerships. Hedge funds provided exposure to a variety of hedging strategies including long/short equity, relative value, event driven and global macro.

7. Tax Status

The Plan obtained its last determination letter on September 22, 2017, in which the Internal Revenue Service stated that the Plan, as then designed, was in compliance with the applicable requirements of the Internal Revenue Code. No provision for income taxes was included in the Plan's financial statements.

United States generally accepted accounting principles require the plan administrator to evaluate uncertain tax positions taken by the Plan. The plan administrator has concluded that as of May 31, 2018, there were no uncertain tax positions taken by the Plan. The Plan did not recognized any interest or penalties related to uncertain tax positions. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

8. Termination Priorities

Should the Plan terminate at some future time, its net assets generally will not be available on a pro rata basis to provide participants' benefits. Whether a particular participant's accumulated plan benefits will be paid depends on both the priority of those benefits and the level of benefits guaranteed by, and the financial condition of, the Pension Benefit Guaranty Corporation (PBGC) at that time. Some benefits may be fully or partially provided for by the then existing assets and the PBGC guaranty while other benefits may not be provided for at all.

9. Party-In-Interest

Certain Plan investments held by the Plan are cash equivalents managed by the Plan's new trustee, BNY. BNY is the trustee as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions. The Plan invested in shares of mutual funds managed by the Vanguard companies, the prior trustee before its termination. These Vanguard mutual fund transactions qualified as party-in-interest transactions.

The Plan also holds shares of Parker-Hannifin Corporation common stock. Investment activity related to these shares qualified as party-in-interest transactions.

10. Trustee Certification

The information used as a basis for the financial statements which was certified or provided by the trustees are as follows: Statements of Net Assets Available for Benefits – at fair value; Statements of Changes in Net Assets Available for Benefits – all additions except for employer contributions and Note 4.

Parker-Hannifin Consolidated Pension Plan - A
Schedule H, Line 4(i) – Schedule of Assets (Held at End of Year)
May 31, 2018
EIN 26-1200603

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost	(e) Current value
	CASH	CASH/CASH EQUIV; US (MOSTLY INVESTMENT FUNDS) & FOREIGN	$ 6,454,578	$ 6,451,902
*	CASH	CASH/CASH EQUIV; VAR RT 12/31/49 FEE CL 13; INVESTMENT FUND	35,136,227	35,136,227
*	CASH	CASH/CASH EQUIV; 01/01/49 DD 07/01/08	2,036,000	2,036,000
	ALTICE NV	EQUITY SECURITY; No. of SHARES - 166661	1,152,194	1,357,092
	COSMOS PHARMACEUTICAL CORP	EQUITY SECURITY; No. of SHARES - 2000	449,345	431,865
	RED LION HOTELS CORP	EQUITY SECURITY; No. of SHARES - 17600	196,582	191,840
	DEXCOM INC	EQUITY SECURITY; No. of SHARES - 4230	217,512	372,198
	OIL SEARCH LTD	EQUITY SECURITY; No. of SHARES - 35213	206,083	220,345
	VALE SA	EQUITY SECURITY; No. of SHARES - 76300	770,330	1,037,330
	BANK OF IRELAND GROUP PLC	EQUITY SECURITY; No. of SHARES - 44275	357,996	365,393
	AIB GROUP PLC	EQUITY SECURITY; No. of SHARES - 78625	424,304	428,975
	DWS GROUP GMBH & CO KGAA	EQUITY SECURITY; No. of SHARES - 6678	263,063	212,810
	COVESTRO AG	EQUITY SECURITY; No. of SHARES - 10300	1,194,808	937,087
	EURONEXT NV	EQUITY SECURITY; No. of SHARES - 8863	631,885	562,810
	ORPEA	EQUITY SECURITY; No. of SHARES - 7718	939,151	1,011,736
	SAMPO OYJ	EQUITY SECURITY; No. of SHARES - 13324	668,547	654,475
	INDUSTRIA DE DISENO TEXTIL SA	EQUITY SECURITY; No. of SHARES - 9678	304,831	305,135
	UBISOFT ENTERTAINMENT SA	EQUITY SECURITY; No. of SHARES - 8713	724,267	942,009
	KONINKLIJKE KPN NV	EQUITY SECURITY; No. of SHARES - 334739	1,196,432	909,254
	WIZZ AIR HOLDINGS PLC	EQUITY SECURITY; No. of SHARES - 25830	948,571	1,169,291
	CAPITA PLC	EQUITY SECURITY; No. of SHARES - 136300	244,245	245,481
	INTERCONTINENTAL HOTELS GROUP	EQUITY SECURITY; No. of SHARES - 4300	230,447	275,447
	WEIR GROUP PLC/THE	EQUITY SECURITY; No. of SHARES - 14694	449,215	428,397
	LONDON STOCK EXCHANGE GROUP PL	EQUITY SECURITY; No. of SHARES - 48200	2,536,302	2,871,428
	MICRO FOCUS INTERNATIONAL PLC	EQUITY SECURITY; No. of SHARES - 89528	1,805,165	1,588,009
	CK ASSET HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 41500	353,969	346,532
	SUZUKI MOTOR CORP	EQUITY SECURITY; No. of SHARES - 4200	212,678	242,076
	DAIKIN INDUSTRIES LTD	EQUITY SECURITY; No. of SHARES - 3700	430,832	428,423
	TDK CORP	EQUITY SECURITY; No. of SHARES - 4400	419,711	396,079
	HOYA CORP	EQUITY SECURITY; No. of SHARES - 13000	664,951	774,532
	TREND MICRO INC/JAPAN	EQUITY SECURITY; No. of SHARES - 5000	280,760	284,413
	INPEX CORP	EQUITY SECURITY; No. of SHARES - 33700	396,980	376,564

TSURUHA HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 5700	803,282	849,399
BORR DRILLING LTD	EQUITY SECURITY; No. of SHARES - 62568	250,751	321,154
TELEFONAKTIEBOLAGET LM ERICSSO	EQUITY SECURITY; No. of SHARES - 71024	477,870	514,362
DBS GROUP HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 53600	1,180,923	1,136,964
CITY DEVELOPMENTS LTD	EQUITY SECURITY; No. of SHARES - 21600	212,321	181,043
CATCHER TECHNOLOGY CO LTD	EQUITY SECURITY; No. of SHARES - 23000	254,662	267,527
GLACIER BANCORP INC	EQUITY SECURITY; No. of SHARES - 9140	317,031	356,369
HOME BANCSHARES INC/AR	EQUITY SECURITY; No. of SHARES - 17040	420,598	392,261
TRIUMPH BANCORP INC	EQUITY SECURITY; No. of SHARES - 9394	354,641	385,624
WELLS FARGO & CO	EQUITY SECURITY; No. of SHARES - 56897	3,123,028	3,071,869
AMGEN INC	EQUITY SECURITY; No. of SHARES - 12616	2,355,646	2,266,086
LOXO ONCOLOGY INC	EQUITY SECURITY; No. of SHARES - 11992	938,440	2,126,541
ORION ENGINEERED CARBONS SA	EQUITY SECURITY; No. of SHARES - 10280	267,129	295,036
HEALTHCARE SERVICES GROUP INC	EQUITY SECURITY; No. of SHARES - 10742	494,501	388,323
RITCHIE BROS AUCTIONEERS INC	EQUITY SECURITY; No. of SHARES - 14290	465,428	487,003
AGILYSYS INC	EQUITY SECURITY; No. of SHARES - 24511	307,250	348,546
CARBON BLACK INC	EQUITY SECURITY; No. of SHARES - 10958	270,274	257,623
EPAM SYSTEMS INC	EQUITY SECURITY; No. of SHARES - 3180	348,023	391,712
PURE STORAGE INC	EQUITY SECURITY; No. of SHARES - 24720	488,120	530,491
WNS HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 8710	307,106	445,429
AXA EQUITABLE HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 57752	1,155,040	1,233,583
NOVANTA INC	EQUITY SECURITY; No. of SHARES - 3270	187,762	212,060
COHERENT INC	EQUITY SECURITY; No. of SHARES - 1025	197,028	171,226
ROGERS CORP	EQUITY SECURITY; No. of SHARES - 1880	248,493	214,245
IMAX CORP	EQUITY SECURITY; No. of SHARES - 20490	409,452	428,241
CORESITE REALTY CORP	EQUITY SECURITY; No. of SHARES - 3620	362,087	384,299
ALIGN TECHNOLOGY INC	EQUITY SECURITY; No. of SHARES - 12200	3,186,814	4,049,790
AXOGEN INC	EQUITY SECURITY; No. of SHARES - 8680	245,412	426,188
HANGER INC	EQUITY SECURITY; No. of SHARES - 11805	192,556	204,463
INTERSECT ENT INC	EQUITY SECURITY; No. of SHARES - 9700	360,367	413,705
ENCOMPASS HEALTH CORP	EQUITY SECURITY; No. of SHARES - 12274	526,196	794,742
NEWELL BRANDS INC	EQUITY SECURITY; No. of SHARES - 85726	2,319,992	2,021,419
BOOKING HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 2265	2,517,647	4,776,704
CARS.COM INC	EQUITY SECURITY; No. of SHARES - 13550	327,603	347,964
YANDEX NV	EQUITY SECURITY; No. of SHARES - 10000	335,360	335,200
LCI INDUSTRIES	EQUITY SECURITY; No. of SHARES - 3960	387,932	347,292
HILTON GRAND VACATIONS INC	EQUITY SECURITY; No. of SHARES - 11810	490,083	469,566
GENERAL ELECTRIC CO	EQUITY SECURITY; No. of SHARES - 159148	2,189,768	2,240,804

HALLIBURTON CO	EQUITY SECURITY; No. of SHARES - 46067	2,012,442	2,291,373
CARDINAL HEALTH INC	EQUITY SECURITY; No. of SHARES - 16760	1,223,398	873,028
CATALENT INC	EQUITY SECURITY; No. of SHARES - 8458	374,876	332,061
HUTCHISON CHINA MEDITECH LTD	EQUITY SECURITY; No. of SHARES - 7900	267,041	229,890
MERCK & CO INC	EQUITY SECURITY; No. of SHARES - 38703	2,220,351	2,303,990
SUPERNUS PHARMACEUTICALS INC	EQUITY SECURITY; No. of SHARES - 7812	329,194	440,206
BOOT BARN HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 22240	222,847	526,643
FLOOR & DECOR HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 8519	386,174	400,393
FLOOR & DECOR HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 19286	891,540	906,442
ACTIVISION BLIZZARD INC	EQUITY SECURITY; No. of SHARES - 32700	2,139,023	2,318,757
LIVEPERSON INC	EQUITY SECURITY; No. of SHARES - 30300	361,508	586,305
MICRO FOCUS INTERNATIONAL PLC	EQUITY SECURITY; No. of SHARES - 32485	818,436	574,985
WORKDAY INC	EQUITY SECURITY; No. of SHARES - 14200	1,850,875	1,859,632
NICE LTD	EQUITY SECURITY; No. of SHARES - 4000	327,731	423,000
GENESEE & WYOMING INC	EQUITY SECURITY; No. of SHARES - 3920	279,830	306,191
SEEK LTD	EQUITY SECURITY; No. of SHARES - 51476	569,828	786,776
NEWCREST MINING LTD	EQUITY SECURITY; No. of SHARES - 41344	625,728	649,434
AMCOR LTD/AUSTRALIA	EQUITY SECURITY; No. of SHARES - 27000	289,414	287,239
REA GROUP LTD	EQUITY SECURITY; No. of SHARES - 4908	183,838	318,667
HYPERA SA	EQUITY SECURITY; No. of SHARES - 102800	713,529	778,443
ENBRIDGE INC	EQUITY SECURITY; No. of SHARES - 33200	1,398,854	1,031,166
ALIMENTATION COUCHE-TARD INC	EQUITY SECURITY; No. of SHARES - 19100	796,713	797,159
DKSH HOLDING AG	EQUITY SECURITY; No. of SHARES - 10142	746,807	810,349
UBS GROUP AG	EQUITY SECURITY; No. of SHARES - 40588	680,074	613,093
LAFARGEHOLCIM LTD	EQUITY SECURITY; No. of SHARES - 8658	512,041	444,217
ADECCO GROUP AG	EQUITY SECURITY; No. of SHARES - 13372	1,046,480	804,143
PARTNERS GROUP HOLDING AG	EQUITY SECURITY; No. of SHARES - 3083	653,389	2,232,831
JULIUS BAER GROUP LTD	EQUITY SECURITY; No. of SHARES - 21112	986,558	1,234,808
NESTLE SA	EQUITY SECURITY; No. of SHARES - 23203	1,783,106	1,755,507
SONOVA HOLDING AG	EQUITY SECURITY; No. of SHARES - 2278	306,569	398,552
CIE FINANCIERE RICHEMONT SA	EQUITY SECURITY; No. of SHARES - 10364	684,317	952,379
CARLSBERG A/S	EQUITY SECURITY; No. of SHARES - 24204	2,313,444	2,687,414
GENMAB A/S	EQUITY SECURITY; No. of SHARES - 12267	1,115,337	1,842,969
NOVO NORDISK A/S	EQUITY SECURITY; No. of SHARES - 47903	1,605,038	2,272,116
DSV A/S	EQUITY SECURITY; No. of SHARES - 22916	1,345,238	1,902,554
JCDECAUX SA	EQUITY SECURITY; No. of SHARES - 19883	657,851	617,835
MTU AERO ENGINES AG	EQUITY SECURITY; No. of SHARES - 6932	638,665	1,308,432
AIRBUS SE	EQUITY SECURITY; No. of SHARES - 44590	2,869,154	5,064,976

SAFRAN SA	EQUITY SECURITY; No. of SHARES - 35699	2,653,340	4,256,738
LVMH MOET HENNESSY LOUIS VUITT	EQUITY SECURITY; No. of SHARES - 13959	2,402,957	4,840,234
HERMES INTERNATIONAL	EQUITY SECURITY; No. of SHARES - 1341	583,191	952,985
KERING SA	EQUITY SECURITY; No. of SHARES - 4942	1,023,690	2,824,980
DAIMLER AG	EQUITY SECURITY; No. of SHARES - 19791	1,230,710	1,424,933
BAYERISCHE MOTOREN WERKE AG	EQUITY SECURITY; No. of SHARES - 6338	526,189	631,671
RHEINMETALL AG	EQUITY SECURITY; No. of SHARES - 20940	2,263,376	2,666,760
KBC GROUP NV	EQUITY SECURITY; No. of SHARES - 18910	1,417,467	1,461,275
BANKIA SA	EQUITY SECURITY; No. of SHARES - 239562	920,127	907,714
BNP PARIBAS SA	EQUITY SECURITY; No. of SHARES - 11323	623,550	701,312
INTESA SANPAOLO SPA	EQUITY SECURITY; No. of SHARES - 101117	258,573	303,937
PERNOD RICARD SA	EQUITY SECURITY; No. of SHARES - 19761	2,009,468	3,314,730
BRENNTAG AG	EQUITY SECURITY; No. of SHARES - 13887	696,145	799,816
L'OREAL SA	EQUITY SECURITY; No. of SHARES - 7535	1,347,095	1,808,376
DEUTSCHE BOERSE AG	EQUITY SECURITY; No. of SHARES - 12490	1,417,967	1,667,904
IBERDROLA SA	EQUITY SECURITY; No. of SHARES - 218338	1,662,368	1,547,546
ENEL SPA	EQUITY SECURITY; No. of SHARES - 582717	3,184,379	3,199,007
ABN AMRO GROUP NV	EQUITY SECURITY; No. of SHARES - 20327	445,903	527,230
DANONE SA	EQUITY SECURITY; No. of SHARES - 25781	1,768,842	1,967,857
ESSILOR INTERNATIONAL CIE GENE	EQUITY SECURITY; No. of SHARES - 6189	802,734	844,535
ALTICE EUROPE NV	EQUITY SECURITY; No. of SHARES - 166661	2,603,019	589,466
ROYAL DUTCH SHELL PLC	EQUITY SECURITY; No. of SHARES - 13062	365,660	452,615
TAG IMMOBILIEN AG	EQUITY SECURITY; No. of SHARES - 69463	980,984	1,461,947
DEUTSCHE WOHNEN SE	EQUITY SECURITY; No. of SHARES - 17004	366,300	796,531
ASML HOLDING NV	EQUITY SECURITY; No. of SHARES - 26884	1,841,197	5,253,295
SAP SE	EQUITY SECURITY; No. of SHARES - 24029	1,991,642	2,702,246
SES SA	EQUITY SECURITY; No. of SHARES - 47203	1,079,270	814,103
LLOYDS BANKING GROUP PLC	EQUITY SECURITY; No. of SHARES - 2427500	2,228,480	2,041,780
AGGREKO PLC	EQUITY SECURITY; No. of SHARES - 84900	922,122	793,743
AA PLC	EQUITY SECURITY; No. of SHARES - 415941	1,814,320	686,305
BCA MARKETPLACE PLC	EQUITY SECURITY; No. of SHARES - 814700	1,944,823	2,061,921
PAGEGROUP PLC	EQUITY SECURITY; No. of SHARES - 60400	372,220	425,968
SSE PLC	EQUITY SECURITY; No. of SHARES - 15527	281,445	282,539

DIAGEO PLC	EQUITY SECURITY; No. of SHARES - 15000	408,058	551,388
HALMA PLC	EQUITY SECURITY; No. of SHARES - 28892	281,696	519,009
TULLOW OIL PLC	EQUITY SECURITY; No. of SHARES - 343836	1,279,446	1,155,252
ASSOCIATED BRITISH FOODS PLC	EQUITY SECURITY; No. of SHARES - 14600	568,214	514,828
OCADO GROUP PLC	EQUITY SECURITY; No. of SHARES - 506800	2,789,498	6,055,873
RIO TINTO PLC	EQUITY SECURITY; No. of SHARES - 4500	197,588	253,888
GLENCORE PLC	EQUITY SECURITY; No. of SHARES - 52463	265,037	259,728
SPIRAX-SARCO ENGINEERING PLC	EQUITY SECURITY; No. of SHARES - 3800	210,015	312,490
ROYAL DUTCH SHELL PLC	EQUITY SECURITY; No. of SHARES - 1613	42,917	55,955
ROYAL DUTCH SHELL PLC	EQUITY SECURITY; No. of SHARES - 40300	1,032,527	1,435,546
PRUDENTIAL PLC	EQUITY SECURITY; No. of SHARES - 105900	1,666,924	2,551,986
INMARSAT PLC	EQUITY SECURITY; No. of SHARES - 121024	1,098,247	603,258
VODAFONE GROUP PLC	EQUITY SECURITY; No. of SHARES - 488345	1,786,815	1,246,478
RECKITT BENCKISER GROUP PLC	EQUITY SECURITY; No. of SHARES - 4600	388,183	352,630
ASTRAZENECA PLC	EQUITY SECURITY; No. of SHARES - 52350	3,630,260	3,807,590
RELX PLC	EQUITY SECURITY; No. of SHARES - 72700	1,558,974	1,598,600
CARNIVAL PLC	EQUITY SECURITY; No. of SHARES - 16000	834,477	1,029,817
GREENE KING PLC	EQUITY SECURITY; No. of SHARES - 94794	806,016	731,346
SHAFTESBURY PLC	EQUITY SECURITY; No. of SHARES - 30814	329,529	378,249
BRITISH AMERICAN TOBACCO PLC	EQUITY SECURITY; No. of SHARES - 25200	1,453,280	1,297,368
IMPERIAL BRANDS PLC	EQUITY SECURITY; No. of SHARES - 16715	618,161	602,753
THOMAS COOK GROUP PLC	EQUITY SECURITY; No. of SHARES - 1336800	2,192,772	2,004,722
PRADA SPA	EQUITY SECURITY; No. of SHARES - 200700	748,570	1,055,420
SAMSONITE INTERNATIONAL SA	EQUITY SECURITY; No. of SHARES - 193450	689,190	663,399
PICC PROPERTY & CASUALTY CO LT	EQUITY SECURITY; No. of SHARES - 422980	669,205	745,216
PING AN INSURANCE GROUP CO OF	EQUITY SECURITY; No. of SHARES - 109500	493,308	1,073,482
CHINA PACIFIC INSURANCE GROUP	EQUITY SECURITY; No. of SHARES - 127200	454,398	549,719
AIA GROUP LTD	EQUITY SECURITY; No. of SHARES - 366800	1,859,208	3,366,789

WYNN MACAU LTD	EQUITY SECURITY; No. of SHARES - 114400	182,980	438,982
SHANGHAI FOSUN PHARMACEUTICAL	EQUITY SECURITY; No. of SHARES - 131000	461,670	839,192
LONGFOR PROPERTIES CO LTD	EQUITY SECURITY; No. of SHARES - 262000	409,633	784,916
BANK LEUMI LE-ISRAEL BM	EQUITY SECURITY; No. of SHARES - 412871	1,698,933	2,573,137
IHI CORP	EQUITY SECURITY; No. of SHARES - 17200	745,637	648,295
NIFCO INC/JAPAN	EQUITY SECURITY; No. of SHARES - 23600	657,403	815,666
DENSO CORP	EQUITY SECURITY; No. of SHARES - 14900	763,326	725,491
ASAHI GROUP HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 19200	783,294	1,006,611
RINNAI CORP	EQUITY SECURITY; No. of SHARES - 2300	182,532	220,167
ASAHI KASEI CORP	EQUITY SECURITY; No. of SHARES - 130800	1,133,809	1,800,464
KANSAI PAINT CO LTD	EQUITY SECURITY; No. of SHARES - 31600	634,467	679,439
SHIN-ETSU CHEMICAL CO LTD	EQUITY SECURITY; No. of SHARES - 11400	1,001,731	1,142,676
MURATA MANUFACTURING CO LTD	EQUITY SECURITY; No. of SHARES - 10800	1,193,961	1,608,891
NIDEC CORP	EQUITY SECURITY; No. of SHARES - 11600	1,003,431	1,802,807
MEIJI HOLDINGS CO LTD	EQUITY SECURITY; No. of SHARES - 16400	1,397,223	1,399,310
ASAHI INTECC CO LTD	EQUITY SECURITY; No. of SHARES - 18700	417,581	672,990
CYBERDYNE INC	EQUITY SECURITY; No. of SHARES - 37900	737,333	487,333
DAIWA HOUSE INDUSTRY CO LTD	EQUITY SECURITY; No. of SHARES - 13300	414,868	483,180
HOSHIZAKI CORP	EQUITY SECURITY; No. of SHARES - 7200	546,863	724,341
SHIMANO INC	EQUITY SECURITY; No. of SHARES - 8700	1,177,382	1,232,390
FANUC CORP	EQUITY SECURITY; No. of SHARES - 1900	298,449	406,949
KEYENCE CORP	EQUITY SECURITY; No. of SHARES - 5388	1,008,607	3,314,281
KUBOTA CORP	EQUITY SECURITY; No. of SHARES - 79900	1,126,224	1,348,030
SMC CORP/JAPAN	EQUITY SECURITY; No. of SHARES - 5600	1,324,872	2,135,469
GLORY LTD	EQUITY SECURITY; No. of SHARES - 6500	189,766	192,945
SHIONOGI & CO LTD	EQUITY SECURITY; No. of SHARES - 8400	460,828	441,784
HAMAMATSU PHOTONICS KK	EQUITY SECURITY; No. of SHARES - 85600	1,969,677	3,722,767
RENESAS ELECTRONICS CORP	EQUITY SECURITY; No. of SHARES - 132500	1,232,801	1,319,573
NTT DOCOMO INC	EQUITY SECURITY; No. of SHARES - 30600	626,061	793,693
SOFTBANK GROUP CORP	EQUITY SECURITY; No. of SHARES - 29200	1,341,062	2,086,962
NINTENDO CO LTD	EQUITY SECURITY; No. of SHARES - 3600	1,103,658	1,491,095
SAMSUNG ELECTRONICS CO LTD	EQUITY SECURITY; No. of SHARES - 34250	976,417	1,610,905
DNB ASA	EQUITY SECURITY; No. of SHARES - 34695	568,889	621,178
INFRATIL LTD	EQUITY SECURITY; No. of SHARES - 117000	237,235	281,579
SVENSKA HANDELSBANKEN AB	EQUITY SECURITY; No. of SHARES - 20457	253,812	223,895

ASSA ABLOY AB	EQUITY SECURITY; No. of SHARES - 37519	431,541	805,462
MODERN TIMES GROUP MTG AB	EQUITY SECURITY; No. of SHARES - 6088	173,280	235,201
OVERSEA-CHINESE BANKING CORP L	EQUITY SECURITY; No. of SHARES - 35900	263,188	336,600
SINGAPORE TELECOMMUNICATIONS L	EQUITY SECURITY; No. of SHARES - 128100	353,276	314,156
INTERPUBLIC GROUP OF COS INC/T	EQUITY SECURITY; No. of SHARES - 146830	3,092,903	3,318,358
OMNICOM GROUP INC	EQUITY SECURITY; No. of SHARES - 31846	2,150,285	2,295,460
RYANAIR HOLDINGS PLC	EQUITY SECURITY; No. of SHARES - 13200	1,104,913	1,530,012
STEVEN MADDEN LTD	EQUITY SECURITY; No. of SHARES - 9680	364,794	511,588
BLUE BIRD CORP	EQUITY SECURITY; No. of SHARES - 26115	475,305	489,656
FORD MOTOR CO	EQUITY SECURITY; No. of SHARES - 449610	5,472,261	5,192,996
DOUGLAS DYNAMICS INC	EQUITY SECURITY; No. of SHARES - 12580	375,528	579,309
GENTHERM INC	EQUITY SECURITY; No. of SHARES - 9150	319,313	323,910
BANK OF AMERICA CORP	EQUITY SECURITY; No. of SHARES - 117190	2,003,897	3,403,198
CAPITAL ONE FINANCIAL CORP	EQUITY SECURITY; No. of SHARES - 35897	2,770,170	3,374,318
CITIGROUP INC	EQUITY SECURITY; No. of SHARES - 56749	2,816,199	3,784,591
GOLDMAN SACHS GROUP INC	EQUITY SECURITY; No. of SHARES - 12084	1,961,796	2,729,534
ICICI BANK LTD	EQUITY SECURITY; No. of SHARES - 48400	437,749	406,076
JPMORGAN CHASE & CO	EQUITY SECURITY; No. of SHARES - 26889	1,414,639	2,877,392
MORGAN STANLEY	EQUITY SECURITY; No. of SHARES - 60400	1,456,378	3,028,456
STATE STREET CORP	EQUITY SECURITY; No. of SHARES - 23820	1,511,524	2,289,340
UBS GROUP AG	EQUITY SECURITY; No. of SHARES - 134800	1,977,373	2,051,656
MGP INGREDIENTS INC	EQUITY SECURITY; No. of SHARES - 5420	261,762	479,941
MONSTER BEVERAGE CORP	EQUITY SECURITY; No. of SHARES - 64350	2,972,747	3,292,146
PRIMO WATER CORP	EQUITY SECURITY; No. of SHARES - 32252	414,199	547,639
ALEXION PHARMACEUTICALS INC	EQUITY SECURITY; No. of SHARES - 19150	2,128,752	2,223,890
BIOMARIN PHARMACEUTICAL INC	EQUITY SECURITY; No. of SHARES - 24500	1,733,402	2,213,330
CAMBREX CORP	EQUITY SECURITY; No. of SHARES - 9309	421,058	421,698
EXACT SCIENCES CORP	EQUITY SECURITY; No. of SHARES - 6760	168,129	402,490
ILLUMINA INC	EQUITY SECURITY; No. of SHARES - 14750	2,564,770	4,018,490
LIGAND PHARMACEUTICALS INC	EQUITY SECURITY; No. of SHARES - 3665	374,018	704,523
REGENERON PHARMACEUTICALS INC	EQUITY SECURITY; No. of SHARES - 7450	2,283,277	2,237,384
ARMSTRONG WORLD INDUSTRIES INC	EQUITY SECURITY; No. of SHARES - 7060	313,927	427,836
CODEXIS INC	EQUITY SECURITY; No. of SHARES - 50629	248,667	759,435

ADTALEM GLOBAL EDUCATION INC	EQUITY SECURITY; No. of SHARES - 12860	337,811	614,065
COLLIERS INTERNATIONAL GROUP I	EQUITY SECURITY; No. of SHARES - 5857	172,614	422,290
COSTAR GROUP INC	EQUITY SECURITY; No. of SHARES - 7586	1,967,619	2,891,935
GRAND CANYON EDUCATION INC	EQUITY SECURITY; No. of SHARES - 3870	189,549	429,957
ICF INTERNATIONAL INC	EQUITY SECURITY; No. of SHARES - 5486	174,356	387,586
LAUREATE EDUCATION INC	EQUITY SECURITY; No. of SHARES - 32819	445,637	532,652
NUTRISYSTEM INC	EQUITY SECURITY; No. of SHARES - 11350	329,038	423,355
WILLDAN GROUP INC	EQUITY SECURITY; No. of SHARES - 12332	349,882	351,462
COGNIZANT TECHNOLOGY SOLUTIONS	EQUITY SECURITY; No. of SHARES - 42769	2,407,310	3,222,644
HP INC	EQUITY SECURITY; No. of SHARES - 53263	669,934	1,173,384
HEWLETT PACKARD ENTERPRISE CO	EQUITY SECURITY; No. of SHARES - 201475	2,506,016	3,070,479
MERCURY SYSTEMS INC	EQUITY SECURITY; No. of SHARES - 10160	265,189	375,209
USA TECHNOLOGIES INC	EQUITY SECURITY; No. of SHARES - 37159	130,296	499,789
VARONIS SYSTEMS INC	EQUITY SECURITY; No. of SHARES - 11700	378,255	908,505
SAMSUNG ELECTRONICS CO LTD	EQUITY SECURITY; No. of SHARES - 15	4,472	17,130
ENCORE CAPITAL GROUP INC	EQUITY SECURITY; No. of SHARES - 10865	346,024	428,624
FRANKLIN RESOURCES INC	EQUITY SECURITY; No. of SHARES - 86944	3,602,023	2,918,710
CHARLES SCHWAB CORP/THE	EQUITY SECURITY; No. of SHARES - 66800	1,904,532	3,715,416
VIRTU FINANCIAL INC	EQUITY SECURITY; No. of SHARES - 13175	248,960	409,084
VISA INC	EQUITY SECURITY; No. of SHARES - 72300	3,399,523	9,451,056
EDISON INTERNATIONAL	EQUITY SECURITY; No. of SHARES - 56775	3,593,427	3,529,134
LITTELFUSE INC	EQUITY SECURITY; No. of SHARES - 1890	308,469	410,225
ESCO TECHNOLOGIES INC	EQUITY SECURITY; No. of SHARES - 6780	283,258	380,358
GOLDEN ENTERTAINMENT INC	EQUITY SECURITY; No. of SHARES - 15988	203,747	487,954
SIX FLAGS ENTERTAINMENT CORP	EQUITY SECURITY; No. of SHARES - 8144	322,234	525,451
CALAVO GROWERS INC	EQUITY SECURITY; No. of SHARES - 4320	281,824	380,160
CRYOLIFE INC	EQUITY SECURITY; No. of SHARES - 16900	329,548	465,595
EDWARDS LIFESCIENCES CORP	EQUITY SECURITY; No. of SHARES - 23900	2,254,632	3,281,709
GLAUKOS CORP	EQUITY SECURITY; No. of SHARES - 13382	408,409	505,438
REPLIGEN CORP	EQUITY SECURITY; No. of SHARES - 7300	218,861	318,864
LHC GROUP INC	EQUITY SECURITY; No. of SHARES - 5450	247,048	419,487
JARDINE MATHESON HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 12100	645,243	755,524
UNIVERSAL ELECTRONICS INC	EQUITY SECURITY; No. of SHARES - 9297	512,260	275,656
AMERICAN INTERNATIONAL GROUP I	EQUITY SECURITY; No. of SHARES - 64493	3,248,358	3,404,585
METLIFE INC	EQUITY SECURITY; No. of SHARES - 73616	3,070,829	3,385,600

	VOYA FINANCIAL INC	EQUITY SECURITY; No. of SHARES - 67045	1,823,195	3,482,317
	AXIS CAPITAL HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 61230	2,810,898	3,480,926
	ALIBABA GROUP HOLDING LTD	EQUITY SECURITY; No. of SHARES - 10900	788,712	2,158,309
	ALIBABA GROUP HOLDING LTD	EQUITY SECURITY; No. of SHARES - 49100	4,968,448	9,722,291
	ALPHABET INC-CL C	EQUITY SECURITY; No. of SHARES - 890	443,435	965,641
	ALPHABET INC-CL A	EQUITY SECURITY; No. of SHARES - 5875	3,154,380	6,462,500
	AMAZON.COM INC	EQUITY SECURITY; No. of SHARES - 7000	4,983,100	11,407,340
	BAIDU INC	EQUITY SECURITY; No. of SHARES - 11600	1,745,359	2,813,696
	CTRIP.COM INTERNATIONAL LTD	EQUITY SECURITY; No. of SHARES - 32200	1,102,954	1,451,898
	ETSY INC	EQUITY SECURITY; No. of SHARES - 14500	$ 246,347	$ 468,930
	FACEBOOK INC	EQUITY SECURITY; No. of SHARES - 32300	2,254,299	6,194,494
	JD.COM INC	EQUITY SECURITY; No. of SHARES - 4200	95,230	147,756
	NETFLIX INC	EQUITY SECURITY; No. of SHARES - 25900	2,865,574	9,106,440
	PALO ALTO NETWORKS INC	EQUITY SECURITY; No. of SHARES - 20600	3,062,863	4,286,654
	US AUTO PARTS NETWORK INC	EQUITY SECURITY; No. of SHARES - 86831	258,879	148,481
	BWX TECHNOLOGIES INC	EQUITY SECURITY; No. of SHARES - 10010	385,302	668,067
	TEREX CORP	EQUITY SECURITY; No. of SHARES - 54422	1,732,467	2,154,023
	ALBANY INTERNATIONAL CORP	EQUITY SECURITY; No. of SHARES - 4940	200,734	303,810
	CABLE ONE INC	EQUITY SECURITY; No. of SHARES - 640	298,505	415,514
	NEWS CORP	EQUITY SECURITY; No. of SHARES - 90737	1,564,343	1,363,777
	DOVER CORP	EQUITY SECURITY; No. of SHARES - 40479	2,358,083	3,125,384
	JOHN BEAN TECHNOLOGIES CORP	EQUITY SECURITY; No. of SHARES - 5780	373,670	510,374
*	PARKER-HANNIFIN CORP	EQUITY SECURITY; No. of SHARES - 1329495	19,135,336	227,210,696
	BP PLC	EQUITY SECURITY; No. of SHARES - 57841	2,459,835	2,650,275
	CALLON PETROLEUM CO	EQUITY SECURITY; No. of SHARES - 24620	339,067	291,501
	CARRIZO OIL & GAS INC	EQUITY SECURITY; No. of SHARES - 10136	308,265	256,035
	CENOVUS ENERGY INC	EQUITY SECURITY; No. of SHARES - 213160	2,546,697	2,246,706
	EXXON MOBIL CORP	EQUITY SECURITY; No. of SHARES - 30577	2,466,151	2,484,075
	MURPHY OIL CORP	EQUITY SECURITY; No. of SHARES - 58625	2,038,249	1,802,719
	ROYAL DUTCH SHELL PLC	EQUITY SECURITY; No. of SHARES - 53862	3,128,587	3,747,718
	ENSCO PLC	EQUITY SECURITY; No. of SHARES - 145500	1,601,679	945,750
	EXPRESS SCRIPTS HOLDING CO	EQUITY SECURITY; No. of SHARES - 31223	1,947,937	2,367,016
	MCKESSON CORP	EQUITY SECURITY; No. of SHARES - 18295	2,630,242	2,596,792
	HORIZON PHARMA PLC	EQUITY SECURITY; No. of SHARES - 34170	370,556	556,971
	MYLAN NV	EQUITY SECURITY; No. of SHARES - 98439	3,652,437	3,785,964
	FIRSTSERVICE CORP	EQUITY SECURITY; No. of SHARES - 5370	145,246	377,994
	AT HOME GROUP INC	EQUITY SECURITY; No. of SHARES - 12370	192,091	428,126
	FIRSTCASH INC	EQUITY SECURITY; No. of SHARES - 6438	301,641	584,249
	LITHIA MOTORS INC	EQUITY SECURITY; No. of SHARES - 3270	256,170	319,643

NU SKIN ENTERPRISES INC	EQUITY SECURITY; No. of SHARES - 5281	247,559	432,461
STARBUCKS CORP	EQUITY SECURITY; No. of SHARES - 31600	1,840,584	1,790,772
WALMART INC	EQUITY SECURITY; No. of SHARES - 23413	1,728,701	1,932,509
BOFI HOLDING INC	EQUITY SECURITY; No. of SHARES - 9590	218,110	395,204
META FINANCIAL GROUP INC	EQUITY SECURITY; No. of SHARES - 4179	305,723	472,854
MAXLINEAR INC	EQUITY SECURITY; No. of SHARES - 15754	315,824	289,086
TAIWAN SEMICONDUCTOR MANUFACTU	EQUITY SECURITY; No. of SHARES - 39400	924,775	1,524,780
ADOBE SYSTEMS INC	EQUITY SECURITY; No. of SHARES - 26800	2,274,241	6,680,704
GUIDEWIRE SOFTWARE INC	EQUITY SECURITY; No. of SHARES - 6370	330,571	591,391
J2 GLOBAL INC	EQUITY SECURITY; No. of SHARES - 8168	448,686	689,706
ORACLE CORP	EQUITY SECURITY; No. of SHARES - 85033	3,160,257	3,972,742
REALPAGE INC	EQUITY SECURITY; No. of SHARES - 9510	221,481	558,713
SALESFORCE.COM INC	EQUITY SECURITY; No. of SHARES - 55400	2,676,385	7,164,882
SERVICENOW INC	EQUITY SECURITY; No. of SHARES - 41800	4,128,148	7,424,088
SIMULATIONS PLUS INC	EQUITY SECURITY; No. of SHARES - 15005	175,776	288,096
SPLUNK INC	EQUITY SECURITY; No. of SHARES - 31900	1,744,789	3,534,839
2U INC	EQUITY SECURITY; No. of SHARES - 4280	111,663	405,744
VALE SA	EQUITY SECURITY; No. of SHARES - 209384	1,440,100	2,847,622
ORBCOMM INC	EQUITY SECURITY; No. of SHARES - 47260	405,833	456,532
GOLAR LNG LTD	EQUITY SECURITY; No. of SHARES - 17600	570,620	457,248
SITEONE LANDSCAPE SUPPLY INC	EQUITY SECURITY; No. of SHARES - 4670	160,194	353,286
NASPERS LTD	EQUITY SECURITY; No. of SHARES - 2853	351,273	681,656
LOJAS AMERICANAS SA	EQUITY SECURITY; No. of SHARES - 163359	989,619	779,498
SCHAEFFLER AG	EQUITY SECURITY; No. of SHARES - 32578	536,959	487,143
U S TREASURY BD CPN STRIP	FIXED INCOME; 0.000% 11/15/2034 DD 08/15/07 No. of SHARES - 6000000	3,768,000	3,674,460
DEUTSCHE TELEKOM DISC	COMMERICAL PAPER; 06/15/2018 No. of SHARES - 500000	499,098	499,098
ENTERPRISE PROD DISC	COMMERICAL PAPER; 06/05/2018 No. of SHARES - 700000	698,669	698,669
HYUNDAI CAP AMER DISC	COMMERICAL PAPER; 06/26/2018 No. of SHARES - 400000	398,773	398,773
SPECTRA ENERGY DISC	COMMERICAL PAPER; 06/15/2018 No. of SHARES - 300000	299,368	299,368
TIME WARNER INC DISC	COMMERICAL PAPER; 06/13/2018 No. of SHARES - 400000	398,682	398,682
US TREAS-CPI INFLAT	FIXED INCOME; 1.750% 01/15/2028 DD 01/15/08 No. of SHARES - 464536	509,960	507,794
US TREAS-CPI INFLAT	FIXED INCOME; 2.500% 01/15/2029 DD 01/15/09 No. of SHARES - 1743390	2,043,831	2,050,087

US TREAS-CPI INFLAT	FIXED INCOME; 0.875% 02/15/2047 DD 02/15/17 No. of SHARES - 1137103	1,121,540	1,127,096
US TREAS-CPI INFLAT	FIXED INCOME; 0.500% 01/15/2028 DD 01/15/18 No. of SHARES - 1820952	1,791,721	1,779,981
U S TREASURY BD CPN STRIP	FIXED INCOME; 0.000% 02/15/2035 DD 02/15/06 No. of SHARES - 6300000	3,923,199	3,838,086
U S TREASURY BOND	FIXED INCOME; 4.375% 02/15/2038 DD 02/15/08 No. of SHARES - 250000	307,251	305,303
U S TREASURY BOND	FIXED INCOME; 4.500% 05/15/2038 DD 05/15/08 No. of SHARES - 3600000	4,381,710	4,470,480
U S TREASURY BOND	FIXED INCOME; 4.625% 02/15/2040 DD 02/15/10 No. of SHARES - 1530000	1,870,881	1,945,732
U S TREASURY BOND	FIXED INCOME; 4.250% 11/15/2040 DD 11/15/10 No. of SHARES - 16100000	19,011,220	19,543,951
U S TREASURY BOND	FIXED INCOME; 4.750% 02/15/2041 DD 02/15/11 No. of SHARES - 50000	67,929	64,895
U S TREASURY BOND	FIXED INCOME; 3.125% 11/15/2041 DD 11/15/11 No. of SHARES - 4100000	4,058,850	4,214,185
U S TREASURY BOND	FIXED INCOME; 2.500% 02/15/2046 DD 02/15/16 No. of SHARES - 2920000	2,566,499	2,654,017
U S TREASURY BOND	FIXED INCOME; 2.500% 05/15/2046 DD 05/15/16 No. of SHARES - 2880000	2,529,731	2,615,846
U S TREASURY NOTE	FIXED INCOME; 2.000% 06/30/2024 DD 06/30/17 No. of SHARES - 300000	284,396	287,601
US LONG BOND FUTURE (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - 953	—	2,012,863
US ULTRA BOND (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - 97	—	293,273
US 10YR ULTRA FUTURE (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - 81	—	96,188
US 10YR NOTE FUTURE (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - 1890	—	1,730,085
US 5YR TREAS NTS FUTURE (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - -320	—	(165,631)
US 2YR TREAS NTS FUT (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - -175	—	(90,235)
US TREAS-CPI INFLAT	FIXED INCOME; 1.375% 02/15/2044 DD 02/15/14 No. of SHARES - 428280	468,100	474,984
U S TREASURY BD CPN STRIP	FIXED INCOME; 0.000% 05/15/2034 DD 08/15/07 No. of SHARES - 6100000	3,977,139	3,792,187
U S TREASURY BD CPN STRIP	FIXED INCOME; 0.000% 11/15/2036 DD 08/15/07 No. of SHARES - 27000000	15,471,049	15,596,820
U S TREASURY BD PRIN STRIP	FIXED INCOME; 0.000% 08/15/2040 DD 08/16/10 No. of SHARES - 60000	25,497	31,307

U S TREASURY BOND	FIXED INCOME; 3.875% 08/15/2040 DD 08/15/10 No. of SHARES - 3750000	4,204,207	4,320,713
U S TREASURY BOND	FIXED INCOME; 4.375% 05/15/2041 DD 05/15/11 No. of SHARES - 4100000	4,942,589	5,071,331
U S TREASURY BOND	FIXED INCOME; 2.750% 08/15/2042 DD 08/15/12 No. of SHARES - 9200000	8,587,696	8,854,632
U S TREASURY BOND	FIXED INCOME; 3.125% 02/15/2043 DD 02/15/13 No. of SHARES - 7480000	7,455,558	7,681,062
U S TREASURY BOND	FIXED INCOME; 2.875% 05/15/2043 DD 05/15/13 No. of SHARES - 2600000	2,479,006	2,554,500
U S TREASURY BOND	FIXED INCOME; 3.625% 08/15/2043 DD 08/15/13 No. of SHARES - 2300000	2,501,825	2,564,592
U S TREASURY BOND	FIXED INCOME; 3.625% 02/15/2044 DD 02/15/14 No. of SHARES - 8210000	8,887,209	9,164,413
U S TREASURY BOND	FIXED INCOME; 2.500% 02/15/2045 DD 02/15/15 No. of SHARES - 37360000	32,997,309	34,058,870
U S TREASURY BOND	FIXED INCOME; 3.000% 05/15/2045 DD 05/15/15 No. of SHARES - 2005000	1,933,263	2,013,060
U S TREASURY BOND	FIXED INCOME; 2.875% 08/15/2045 DD 08/15/15 No. of SHARES - 4560000	4,327,506	4,469,712
U S TREASURY BOND	FIXED INCOME; 3.000% 11/15/2045 DD 11/15/15 No. of SHARES - 200000	194,018	200,704
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.000% 07/01/2048 DD 07/01/18 No. of SHARES - -12000000	(11,587,031)	(11,635,560)
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; REC 2.91% 2028 SEP 04 No. of SHARES - 5300000	—	(5,615)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 2.500% 06/01/2048 DD 06/01/18 No. of SHARES - 2900000	2,700,882	2,723,709
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.000% 06/01/2048 DD 06/01/18 No. of SHARES - 3000000	2,909,531	2,911,890
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.500% 06/01/2033 DD 06/01/18 No. of SHARES - 4600000	4,663,250	4,663,986
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.500% 06/01/2048 DD 06/01/18 No. of SHARES - -1500000	(1,497,070)	(1,496,490)
COMMIT TO PUR FNMA SF MTG OTC	FIXED INCOME; PUT JUN 18 98.06640625 ED60618 No. of SHARES - -2300000	(6,738)	—
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 4.000% 06/01/2048 DD 06/01/18 No. of SHARES - 10200000	10,433,618	10,427,868
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 4.000% 07/01/2048 DD 07/01/18 No. of SHARES - 5000000	5,100,000	5,104,700
CDX SP CDX.NA.IG.30 V1	FIXED INCOME; PUT JUN 18 000.900 ED 062018 No. of SHARES - -700000	(823)	(149)
CDX SP CDX.NA.IG.30 V1	FIXED INCOME; PUT JUN 18 000.900 ED 06/20/18 No. of SHARES - -2200000	(3,198)	(467)

IRS P US0003M R 2.173% 090428	FIXED INCOME; CALL AUG 18 002.173 ED 083118 No. of SHARES - -4200000	(28,350)	(1,103)
AMAZON.COM INC 144A	FIXED INCOME; 4.250% 08/22/2057 DD 08/22/17 No. of SHARES - 1200000	1,190,184	1,209,156
VRIO FINCO 1 LLC / VRIO F 144A	FIXED INCOME; 6.250% 04/04/2023 DD 04/05/18 No. of SHARES - 400000	400,000	403,000
90DAY EURO$ FUTURE (CME)	FIXED INCOME; EXP SEP 18 No. of SHARES - 526	—	(777,686)
90DAY EURO$ FUTURE (CME)	FIXED INCOME; EXP SEP 19 No. of SHARES - -526	—	918,399
SEMPRA ENERGY DISC	FIXED INCOME; 07/26/2018 No. of SHARES - 300000	298,614	298,614
VW CREDIT INC DISC	FIXED INCOME; 08/15/2018 No. of SHARES - 600000	596,204	596,204
CCP_CDX. BP UL ITRAXX_EUROPE_2	FIXED INCOME; PAY 100BPS 2022 DEC 20 No. of SHARES - 700000	(18,520)	(14,237)
IRS R 0.72% P US0003M 12/05/23	FIXED INCOME; PUT DEC 18 000.720 ED 120318 No. of SHARES - 10500000	51,085	21,903
CCP_ZCS. P GBP-LIBOR-BBA 3M CM	FIXED INCOME; REC 1.00% 2019 SEP 19 No. of SHARES - 24900000	39,154	58,735
CCP_IRS. R GBP-LIBOR-BBA 3M CM	FIXED INCOME; PAY 1.00% 2020 SEP 18 No. of SHARES - 24900000	20,240	26,009
CCP_IRS. R GBP-LIBOR-BBA 6M CM	FIXED INCOME; PAY 1.75% 2048 SEP 19 No. of SHARES - 2000000	(104,954)	(112,377)
CCP_IRS. P MXN-TIIE-BANXICO 28	FIXED INCOME; REC 7.35% 2027 SEP 30 No. of SHARES - 2900000	(133)	(7,620)
CCP_IRS. P MXN-TIIE-BANXICO 28	FIXED INCOME; REC 7.68% 2022 DEC 29 No. of SHARES - 26100000	—	(16,046)
CCP_IRS. P MXN-TIIE-BANXICO 28	FIXED INCOME; REC 7.88% 2022 DEC 27 No. of SHARES - 35800000	6,578	(7,722)
NELNET STUDENT LOAN TRUST 4 A4	FIXED INCOME; VAR RT 04/25/2024 DD 05/20/08 No. of SHARES - 272114	273,815	273,472
SLM STUDENT LOAN TRUST 2 9 A7A	FIXED INCOME; VAR RT 01/25/2041 DD 01/25/18 No. of SHARES - 800000	790,000	801,464
NORTHROP GRUMMAN CORP	FIXED INCOME; 2.930% 01/15/2025 DD 10/13/17 No. of SHARES - 600000	599,910	571,668
NORTHROP GRUMMAN CORP	FIXED INCOME; 3.250% 01/15/2028 DD 10/13/17 No. of SHARES - 390000	389,793	369,045
NORTHROP GRUMMAN CORP	FIXED INCOME; 4.030% 10/15/2047 DD 10/13/17 No. of SHARES - 500000	499,220	471,170
ROCKWELL COLLINS INC	FIXED INCOME; 3.500% 03/15/2027 DD 04/10/17 No. of SHARES - 100000	99,549	95,801
BANCO SANTANDER SA	FIXED INCOME; 4.379% 04/12/2028 DD 04/12/18 No. of SHARES - 500000	500,000	481,730

BANK OF NEW YORK MELLON CORP/T	FIXED INCOME; 3.850% 04/28/2028 DD 04/30/18 No. of SHARES - 1000000	997,780	1,012,870
BROOKFIELD FINANCE INC	FIXED INCOME; 4.700% 09/20/2047 DD 09/14/17 No. of SHARES - 500000	496,095	485,760
DEUTSCHE BANK AG/NEW YORK NY	FIXED INCOME; 3.950% 02/27/2023 DD 02/27/18 No. of SHARES - 700000	687,337	680,400
INTERCONTINENTAL EXCHANGE INC	FIXED INCOME; 2.350% 09/15/2022 DD 08/17/17 No. of SHARES - 700000	698,397	674,598
MORGAN STANLEY	FIXED INCOME; VAR RT 07/22/2028 DD 07/24/17 No. of SHARES - 400000	400,000	382,312
SUMITOMO MITSUI FINANCIAL GROU	FIXED INCOME; 3.102% 01/17/2023 DD 01/17/18 No. of SHARES - 800000	800,000	785,360
CCP_IFS. R CPURNSA US CPI URBA	FIXED INCOME; PAY 2.14% 2029 JAN 15 No. of SHARES - 1800000	—	(33,439)
CCP IRS R 2.51% P US0003M	FIXED INCOME; CALL MAY 20 002.510 ED 051120 No. of SHARES - -14700000	(158,978)	(248,149)
CCP IRS R 2.45% P US0003M	FIXED INCOME; CALL MAY 20 002.450 ED 051120 No. of SHARES - 71700000	188,038	289,596
CCP IRS R 3.55% P US0003M	FIXED INCOME; PUT MAY 19 003.550 ED 050919 No. of SHARES - 2600000	48,494	35,753
CCP IRS R 3.52% P US0003M	FIXED INCOME; PUT MAY 19 003.520 ED 050919 No. of SHARES - -11700000	(49,298)	(40,277)
CCP IRS P US0003M 09/04/28	FIXED INCOME; CALL AUG 18 002.660 ED 083018 No. of SHARES - -11600000	(48,865)	(41,821)
CCP IRS P US0003M 09/04/28	FIXED INCOME; PUT AUG 18 003.160 ED 083018 No. of SHARES - 11600000	46,400	49,793
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.38% 2047 SEP 07 No. of SHARES - 2000000	—	230,991
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.75% 2047 DEC 20 No. of SHARES - 13300000	388,222	532,867
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.50% 2048 JUN 20 No. of SHARES - 3200000	317,708	296,831
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.63% 2048 JAN 04 No. of SHARES - 500000	—	32,351
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; REC 2.60% 2021 MAR 16 No. of SHARES - 188000000	(81,067)	(561,060)
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.64% 2022 MAR 16 No. of SHARES - 188000000	96,107	420,699
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 3.25% 2037 DEC 20 No. of SHARES - 8000000	(40,667)	(104,577)
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.86% 2028 APR 27 No. of SHARES - 13400000	—	48,113
CCP IRS P US0003M R3.71.% CME	FIXED INCOME; PUT SEP 19 003.710 ED 09/16/19 No. of SHARES - -17600000	(92,618)	(65,820)

CCP IRS P US0003M R3.71.%CME	FIXED INCOME; PUT SEP 19 003.710 ED 09/16/19 No. of SHARES - 4300000	93,818	63,259
CCP_OIS. R USD FEDL01 1D CME	FIXED INCOME; PAY 2.48% 2047 DEC 20 No. of SHARES - 300000	—	(3,487)
CCP_OIS. R USD FEDL01 1D CME	FIXED INCOME; PAY 2.54% 2047 DEC 20 No. of SHARES - 1200000	—	(30,743)
CCP_OIS. R USD FEDL01 1D CME	FIXED INCOME; PAY 2.43% 2047 DEC 20 No. of SHARES - 300000	—	(298)
MOODY'S CORP	FIXED INCOME; 2.625% 01/15/2023 DD 01/15/18 No. of SHARES - 800000	798,128	770,688
S&P GLOBAL INC	FIXED INCOME; 4.500% 05/15/2048 DD 05/17/18 No. of SHARES - 1000000	987,510	1,019,060
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.500% 07/01/2048 DD 07/01/18 No. of SHARES - 24900000	24,552,473	24,814,344
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 4.000% 08/01/2048 DD 08/01/18 No. of SHARES - 3000000	3,056,719	3,058,350
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 4.500% 07/01/2048 DD 07/01/18 No. of SHARES - -5000000	(5,204,688)	(5,213,100)
CDX SP CDX.NA.IG.30 V1	FIXED INCOME; PUT JUL 18 000.950 ED 071818 No. of SHARES - -1800000	(2,993)	(875)
CDX SP CDX.NA.IG.30 V1 062023	FIXED INCOME; PUT JUL 18 000.850 ED 071818 No. of SHARES - -800000	(808)	(595)
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; R 500BPS 2023 JUN 20 No. of SHARES - 400000	25,741	17,171
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; R 500BPS 2023 JUN 20 No. of SHARES - 200000	10,777	8,586
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; R 500BPS 2023 JUN 20 No. of SHARES - 200000	8,681	8,586
FNMA GTD REMIC P/T 13-67 NS	FIXED INCOME; VAR RT 07/25/2043 DD 06/25/13 No. of SHARES - 213417	163,264	170,247
INT FLR CMS 30-5 MYC 09/21/18	FIXED INCOME; PUT SEP 18 000.451 ED 092118 No. of SHARES - -125600000	(135,020)	(454,178)
IRS R 2.74% P US0003M 12/05/23	FIXED INCOME; PUT DEC 18 002.740 ED 120318 No. of SHARES - -11000000	(52,250)	(132,535)
IRS P US0003M R 1.8875% 90419	FIXED INCOME; CALL AUG 18 001.888 ED 083118 No. of SHARES - 54300000	28,523	266
URUGUAY GOVERNMENT INTERNATION	FIXED INCOME; 4.975% 04/20/2055 DD 04/20/18 No. of SHARES - 600000	592,278	577,500
ARGENTINA TREASURY BILL	FIXED INCOME; 0.000% 08/10/2018 No. of SHARES - 300000	295,898	297,708
INDONESIA GOVERNMENT INTE REGS	FIXED INCOME; 4.750% 07/18/2047 DD 07/18/17 No. of SHARES - 600000	597,750	573,216
INDONESIA GOVERNMENT INTE 144A	FIXED INCOME; 4.750% 07/18/2047 DD 07/18/17 No. of SHARES - 400000	391,000	382,144

QATAR GOVERNMENT INTERNAT 144A	FIXED INCOME; 3.875% 04/23/2023 DD 04/23/18 No. of SHARES - 600000	595,932	599,010
QATAR GOVERNMENT INTERNAT 144A	FIXED INCOME; 4.500% 04/23/2028 DD 04/23/18 No. of SHARES - 600000	598,038	601,968
QATAR GOVERNMENT INTERNAT 144A	FIXED INCOME; 5.103% 04/23/2048 DD 04/23/18 No. of SHARES - 400000	400,000	397,688
SAUDI GOVERNMENT INTERNAT 144A	FIXED INCOME; 4.625% 10/04/2047 DD 10/04/17 No. of SHARES - 1900000	1,888,410	1,752,997
SAUDI GOVERNMENT INTERNAT 144A	FIXED INCOME; 4.000% 04/17/2025 DD 04/17/18 No. of SHARES - 1900000	1,882,387	1,883,413
SAUDI GOVERNMENT INTERNAT 144A	FIXED INCOME; 4.500% 04/17/2030 DD 04/17/18 No. of SHARES - 1000000	994,320	993,000
SAUDI GOVERNMENT INTERNAT 144A	FIXED INCOME; 5.000% 04/17/2049 DD 04/17/18 No. of SHARES - 500000	489,130	483,345
TRANSCANADA PIPELINES LTD	FIXED INCOME; 4.875% 05/15/2048 DD 05/07/18 No. of SHARES - 1000000	991,570	1,031,600
ECMC GROUP STUDENT L 1A A 144A	FIXED INCOME; VAR RT 02/27/2068 DD 03/08/18 No. of SHARES - 388171	388,172	388,543
SLM STUDENT LOAN T 10 A7B 144A	FIXED INCOME; VAR RT 10/25/2029 DD 04/25/18 No. of SHARES - 300000	300,000	301,085
BANCO DE CREDITO E INVERS 144A	FIXED INCOME; 3.500% 10/12/2027 DD 10/12/17 No. of SHARES - 700000	691,383	631,750
AREIT 2018-CRE1 TR CRE1 A 144A	FIXED INCOME; VAR RT 02/15/2035 DD 02/28/18 No. of SHARES - 400000	400,000	401,114
WORLDWIDE PLAZA TRU WWP A 144A	FIXED INCOME; 3.526% 11/10/2036 DD 11/01/17 No. of SHARES - 300000	308,998	296,631
AT&T INC 144A	FIXED INCOME; 5.150% 02/15/2050 DD 02/14/18 No. of SHARES - 900000	901,304	876,042
AT&T INC 144A	FIXED INCOME; 4.900% 08/15/2037 DD 02/14/18 No. of SHARES - 300000	299,466	293,772
AXA EQUITABLE HOLDINGS IN 144A	FIXED INCOME; 4.350% 04/20/2028 DD 04/20/18 No. of SHARES - 300000	299,445	293,730
AXA EQUITABLE HOLDINGS IN 144A	FIXED INCOME; 5.000% 04/20/2048 DD 04/20/18 No. of SHARES - 800000	797,656	765,840
BACARDI LTD 144A	FIXED INCOME; 4.700% 05/15/2028 DD 04/30/18 No. of SHARES - 1000000	996,810	996,990
BRASKEM NETHERLANDS FINAN 144A	FIXED INCOME; 4.500% 01/10/2028 DD 10/10/17 No. of SHARES - 1100000	1,088,945	1,029,765
MAPLE ESCROW SUBSIDIARY I 144A	FIXED INCOME; 4.057% 05/25/2023 DD 05/25/18 No. of SHARES - 1000000	1,000,000	1,006,280
NEWCREST FINANCE PTY LTD 144A	FIXED INCOME; 4.450% 11/15/2021 DD 11/15/11 No. of SHARES - 100000	101,916	101,582
NORTHWESTERN MUTUAL LIFE 144A	FIXED INCOME; 3.850% 09/30/2047 DD 09/26/17 No. of SHARES - 800000	798,296	745,960

PELABUHAN INDONESIA III P 144A	FIXED INCOME; 4.500% 05/02/2023 DD 05/02/18 No. of SHARES - 800000	791,192	800,528
RIO OIL FINANCE TRUST SER 144A	FIXED INCOME; 8.200% 04/06/2028 DD 04/19/18 No. of SHARES - 800000	800,000	821,000
SYNGENTA FINANCE NV 144A	FIXED INCOME; 5.182% 04/24/2028 DD 04/24/18 No. of SHARES - 400000	400,000	392,256
AUTONATION INC	FIXED INCOME; 3.500% 11/15/2024 DD 11/10/17 No. of SHARES - 700000	699,132	667,394
MCDONALD'S CORP	FIXED INCOME; VAR RT 10/28/2021 DD 05/22/18 No. of SHARES - 500000	500,000	499,840
APPLE INC	FIXED INCOME; 2.900% 09/12/2027 DD 09/12/17 No. of SHARES - 1700000	1,698,096	1,613,895
BROADCOM CORP / BROADCOM CAYMA	FIXED INCOME; 3.875% 01/15/2027 DD 01/15/18 No. of SHARES - 100000	94,915	95,470
BROADCOM CORP / BROADCOM CAYMA	FIXED INCOME; 3.125% 01/15/2025 DD 10/17/17 No. of SHARES - 200000	199,944	186,662
ORACLE CORP	FIXED INCOME; 3.800% 11/15/2037 DD 11/09/17 No. of SHARES - 900000	896,616	879,849
DELTA AIR LINES INC	FIXED INCOME; 3.400% 04/19/2021 DD 04/19/18 No. of SHARES - 400000	399,808	400,736
NORFOLK SOUTHERN CORP	FIXED INCOME; 4.050% 08/15/2052 DD 02/15/18 No. of SHARES - 165000	149,865	156,049
NORFOLK SOUTHERN CORP	FIXED INCOME; 3.942% 11/01/2047 DD 05/01/18 No. of SHARES - 232000	233,051	219,688
CONSOLIDATED EDISON CO OF NEW	FIXED INCOME; 4.500% 05/15/2058 DD 05/10/18 No. of SHARES - 1600000	1,592,624	1,639,120
AMERICAN WATER CAPITAL CORP	FIXED INCOME; 2.950% 09/01/2027 DD 08/10/17 No. of SHARES - 600000	598,026	566,370
VERIZON COMMUNICATIONS INC	FIXED INCOME; 4.672% 03/15/2055 DD 03/13/15 No. of SHARES - 1300000	1,244,385	1,173,146
CANADIAN PACIFIC RAILWAY CO	FIXED INCOME; 6.125% 09/15/2115 DD 09/11/15 No. of SHARES - 300000	379,269	370,542
REPUBLIC OF SOUTH AFRICA GOVER	FIXED INCOME; 8.250% 03/31/2032 No. of SHARES - 2200000	184,365	161,381
COMMUNITY HEALTH 5/15 TLG	FIXED INCOME; No. of SHARES - 400000	392,000	397,852
CHARTER COMMUNICATIONS OPERATI	FIXED INCOME; 5.375% 04/01/2038 DD 04/17/18 No. of SHARES - 200000	197,692	194,992
CHARTER COMMUNICATIONS OPERATI	FIXED INCOME; 5.750% 04/01/2048 DD 04/17/18 No. of SHARES - 300000	299,118	294,132
COMCAST CORP	FIXED INCOME; 3.999% 11/01/2049 DD 10/19/17 No. of SHARES - 17000	17,432	15,042
COMCAST CORP	FIXED INCOME; 4.049% 11/01/2052 DD 10/19/17 No. of SHARES - 43000	44,552	37,916

MEXICO GOVERNMENT INTERNATIONA	FIXED INCOME; 4.000% 03/15/2115 No. of SHARES - 400000	446,579	422,979
CCP_CDX SP UL IG 27 5Y	FIXED INCOME; 2021 DEC 20 ICE No. of SHARES - 3700000	(53,177)	(66,800)
CCP_CDX. BP UL CDX-NAIGS28V1-5	FIXED INCOME; PAY 100BPS 2022 JUN 20 No. of SHARES - 4800000	(75,726)	(81,806)
CCP IRS P US0006M R 2.50	FIXED INCOME; PUT NOV 19 002.500 ED 11/07/19 No. of SHARES - -5500000	(99,000)	(146,282)
CCP IRS P US0006M R 2.50	FIXED INCOME; PUT NOV 19 002.500 ED 110719 No. of SHARES - -44500000	(889,494)	(1,183,553)
CCP IRS P US0006M R 2.725%	FIXED INCOME; PUT NOV 19 002.725 ED 11/07/19 No. of SHARES - 10000000	1,020,000	893,544
GS MORTGAGE SECURITIES GS3 AAB	FIXED INCOME; 2.777% 10/10/2049 DD 09/01/16 No. of SHARES - 1200000	1,235,991	1,165,752
JP MORGAN CHASE COMMER JP4 ASB	FIXED INCOME; VAR RT 12/15/2049 DD 12/01/16 No. of SHARES - 2600000	2,677,990	2,599,350
MORGAN STANLEY BANK OF C30 ASB	FIXED INCOME; 2.729% 09/15/2049 DD 09/01/16 No. of SHARES - 400000	411,990	387,316
EBAY INC	FIXED INCOME; 2.750% 01/30/2023 DD 06/06/17 No. of SHARES - 700000	699,685	677,439
CDS SP UL RUSSIAN FEDERATION	FIXED INCOME; R 100BPS 2021 DEC 20 No. of SHARES - 600000	(16,048)	(1,460)
FHLMC MULTICLASS MTG 4380 ZG	FIXED INCOME; 3.000% 04/15/2053 DD 08/01/14 No. of SHARES - 2125938	1,832,763	1,849,184
FNMA POOL #0100254	FIXED INCOME; 8.000% 12/15/2024 DD 12/01/98 No. of SHARES - 8641	17,992	9,544
FNMA POOL #0190880	FIXED INCOME; VAR RT 11/01/2028 DD 06/01/94 No. of SHARES - 3163	3,382	3,252
FNMA POOL #0357140	FIXED INCOME; 6.000% 07/01/2031 DD 07/01/01 No. of SHARES - 2076	2,252	2,241
FNMA POOL #0399910	FIXED INCOME; 7.000% 12/01/2027 DD 12/01/97 No. of SHARES - 193	257	204
FNMA POOL #0523829	FIXED INCOME; 8.000% 11/01/2019 DD 11/01/99 No. of SHARES - 825	1,439	835
FNMA POOL #0535441	FIXED INCOME; 8.000% 03/01/2030 DD 07/01/00 No. of SHARES - 1145	1,629	1,233
FNMA POOL #0545382	FIXED INCOME; 8.000% 11/01/2028 DD 12/01/01 No. of SHARES - 3268	6,201	3,535
ASCENSION HEALTH	FIXED INCOME; 3.945% 11/15/2046 DD 05/11/16 No. of SHARES - 900000	884,115	901,593
DUKE UNIVERSITY HEALTH SYSTEM	FIXED INCOME; 3.920% 06/01/2047 DD 06/06/17 No. of SHARES - 600000	600,000	592,434
WYETH LLC	FIXED INCOME; 6.500% 02/01/2034 DD 12/16/03 No. of SHARES - 40000	42,118	51,354

AMERICAN FINANCIAL GROUP INC/O	FIXED INCOME; 4.500% 06/15/2047 DD 06/02/17 No. of SHARES - 1000000	994,600	964,620
RESOLUTION FDG CORP STRIP	FIXED INCOME; 0.000% 04/15/2029 DD 04/15/90 No. of SHARES - 2700000	1,677,294	1,884,789
IRS P USD 30Y R 100 BPS 2.7%	FIXED INCOME; PUT MAY 19 002.700 ED 05/13/19 No. of SHARES - 1100000	95,333	89,930
IRS P USD_5Y 18BPS R 2.5%	FIXED INCOME; PUT MAY 19 002.500 ED 051319 No. of SHARES - -5100000	(93,053)	(120,274)
MEXICO GOVERNMENT INTERNATIONA	FIXED INCOME; 4.600% 01/23/2046 DD 01/23/15 No. of SHARES - 19000	18,997	17,157
INDONESIA GOVERNMENT INTE REGS	FIXED INCOME; 6.750% 01/15/2044 No. of SHARES - 300000	408,375	366,544
KUWAIT INTERNATIONAL GOVE 144A	FIXED INCOME; 3.500% 03/20/2027 DD 03/20/17 No. of SHARES - 1000000	990,260	970,310
KUWAIT INTERNATIONAL GOVE 144A	FIXED INCOME; 2.750% 03/20/2022 DD 03/20/17 No. of SHARES - 400000	397,464	389,896
PLAINS ALL AMERICAN PIPELINE L	FIXED INCOME; 3.600% 11/01/2024 DD 09/09/14 No. of SHARES - 500000	493,234	477,475
TC PIPELINES LP	FIXED INCOME; 3.900% 05/25/2027 DD 05/25/17 No. of SHARES - 700000	702,922	665,714
TRANSCANADA TRUST	FIXED INCOME; VAR RT 03/15/2077 DD 03/02/17 No. of SHARES - 400000	400,000	380,248
FEDERAL NATL MTG ASSN STRIP	FIXED INCOME; 0.000% 05/15/2030 DD 05/05/00 No. of SHARES - 2800000	1,942,093	1,868,244
RESOLUTION FDG CORP PRIN STRIP	FIXED INCOME; 0.000% 01/15/2030 DD 01/30/91 No. of SHARES - 13300000	8,089,157	9,056,768
RESOLUTION FDG CORP PRIN STRIP	FIXED INCOME; 0.000% 04/15/2030 DD 04/15/90 No. of SHARES - 2800000	1,760,260	1,886,388
NAVIENT STUDENT LOAN 7A A 144A	FIXED INCOME; VAR RT 03/25/2066 DD 11/03/16 No. of SHARES - 655413	655,414	668,444
BBCMS TRUST 2015- SRCH A2 144A	FIXED INCOME; 4.197% 08/10/2035 DD 12/06/15 No. of SHARES - 700000	720,947	732,746
BBCMS TRUST 2015-S SRCH D 144A	FIXED INCOME; VAR RT 08/10/2035 DD 12/06/15 No. of SHARES - 500000	503,075	517,805
CORE INDUSTRIAL TR WEST C 144A	FIXED INCOME; 3.494% 02/10/2037 DD 04/01/15 No. of SHARES - 700000	668,938	684,796
CREDIT SUISSE FIRST P1A A 144A	FIXED INCOME; VAR RT 03/25/2032 DD 03/01/02 No. of SHARES - 9206	7,219	8,680
CITIGROUP GLOBAL MAR 1 A1 144A	FIXED INCOME; VAR RT 05/25/2032 DD 05/30/02 No. of SHARES - 13153	10,675	13,100
AP MOLLER - MAERSK A/S 144A	FIXED INCOME; 3.875% 09/28/2025 DD 09/28/15 No. of SHARES - 800000	816,784	773,832
ENEL FINANCE INTERNATIONA 144A	FIXED INCOME; 4.750% 05/25/2047 DD 05/25/17 No. of SHARES - 700000	698,887	668,255

RECKITT BENCKISER TREASUR 144A	FIXED INCOME; 2.375% 06/24/2022 DD 06/26/17 No. of SHARES - 800000	799,248	767,752
AVALONBAY COMMUNITIES INC	FIXED INCOME; 4.150% 07/01/2047 DD 06/21/17 No. of SHARES - 800000	799,992	773,064
EPR PROPERTIES	FIXED INCOME; 4.500% 06/01/2027 DD 05/23/17 No. of SHARES - 700000	695,751	670,964
HEALTHCARE TRUST OF AMERICA HO	FIXED INCOME; 2.950% 07/01/2022 DD 06/08/17 No. of SHARES - 300000	299,814	291,966
NEWPORT BEACH CA COPS	FIXED INCOME; 7.168% 07/01/2040 DD 11/30/10 No. of SHARES - 200000	200,000	276,932
PASADENA CA PUBLIC FING AUTH L	FIXED INCOME; 7.148% 03/01/2043 DD 11/23/10 No. of SHARES - 200000	200,000	286,010
ACTIVISION BLIZZARD INC	FIXED INCOME; 3.400% 06/15/2027 DD 05/26/17 No. of SHARES - 700000	695,569	670,152
QUALCOMM INC	FIXED INCOME; 4.300% 05/20/2047 DD 05/26/17 No. of SHARES - 400000	399,936	377,496
KANSAS CITY SOUTHERN	FIXED INCOME; 4.300% 05/15/2043 DD 05/15/16 No. of SHARES - 600000	595,626	566,322
KANSAS CITY SOUTHERN	FIXED INCOME; 4.950% 08/15/2045 DD 02/15/16 No. of SHARES - 200000	217,496	207,388
FEDERAL HOME LN MTG CORP STRIP	FIXED INCOME; 0.000% 03/15/2031 DD 10/25/00 No. of SHARES - 500000	179,131	328,420
FEDERAL HOME LN MTG CORP STRIP	FIXED INCOME; 0.000% 09/15/2029 DD 10/25/00 No. of SHARES - 1300000	902,063	899,041
ENTERGY LOUISIANA LLC	FIXED INCOME; 3.120% 09/01/2027 DD 05/23/17 No. of SHARES - 500000	499,755	479,890
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; 3.500% 10/01/2023 DD 10/02/13 No. of SHARES - 500000	524,560	502,760
MACMILLAN BLOEDEL PEMBROKE LP	FIXED INCOME; 7.700% 02/15/2026 DD 02/21/96 No. of SHARES - 85000	77,142	103,643
ENTRUST CLASS X SERIES	LIMITED PARTNERSHIP; No. of SHARES - 25546	2,554,621	2,501,533
GMO MULTI-STRATEGY FD OFFSHORE	LIMITED PARTNERSHIP; No. of SHARES - 52254336	42,252,761	52,254,336
LIGHT HOUSE V FUND LIMITED	LIMITED PARTNERSHIP; No. of SHARES - 51480	75,083,233	95,663,148
MESIROW INSTNL MULTI-STARATEGY	LIMITED PARTNERSHIP; No. of SHARES - 91597510	76,400,000	91,597,510
VFNC TRUST PROM NOTE C-11 144A	MISCELLANEOUS; No. of SHARES - 3739507	3,304,276	501,280
GMO STRAT OPPOR ALLOCATION-3	MUTUAL FUND; No. of SHARES - 6183753	128,923,130	133,507,248
PIMCO ALL ASSET FUND-INST	MUTUAL FUND; No. of SHARES - 14241624	171,007,048	170,472,246
PIMCO FDS LONG DURATION CORP	MUTUAL FUND; No. of SHARES - 18926431	220,395,981	215,950,588

PIMCO FDS PAC INVT MGMT SER	MUTUAL FUND; No. of SHARES - 870775	10,670,606	11,145,924
CLASS A SERIES INITIAL 1 E	CCT; No. of SHARES - 1445	210,366,678	286,769,734
JPMCB EMERGING MARKETS EQUITY	CCT; No. of SHARES - 4881805	69,439,493	113,306,709
BLACKROCK LONG TERM CREDIT BD	CCT; No. of SHARES - 3436767	219,876,116	287,947,728
BLACKROCK EQUITY INDEX NL FUND	CCT; No. of SHARES - 1285368	39,606,602	56,901,984
FRANKLIN TEMPLETON GLOBAL	CCT; No. of SHARES - 10907555	138,944,966	148,015,525
COPPER ROCK INTL SM CAP CT	CCT; No. of SHARES - 4890207	68,153,904	102,019,236
RELAXED CONSTRAINT SMALL CAP	CCT; No. of SHARES - 32061719	16,847,830	32,061,719
ABERDEEN EMERGING MRKTS INSTL	CCT; No. of SHARES - 6349984	63,526,535	85,486,132
WALTER SCOTT	CCT; No. of SHARES - 3630327	84,804,119	129,832,083
HEXAVEST WORLD EQUITY FUND	CCT; No. of SHARES - 36795	47,509,713	61,333,159
		$2,369,045,080	$3,095,194,067

Parker-Hannifin Consolidated Pension Plan - A
Schedule H, Line 4(j) – Schedule of Reportable Transactions
May 31, 2018
EIN 26-1200603

(a) Identity of party involved	(b) Description of asset (include interest rate and maturity in case of loan)	(c) Purchase price	(d) Selling price	(e) Lease rental	(f) Expense incurred with transaction	(g) Cost of asset	(h) Current value of assets on transaction date	(i) Net gain or (loss)
Category (i) - Individual transaction in excess of five percent of beginning plan net assets:								
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	$ 2,085,703	$ —			$ —	$ 2,085,703	—
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	2,071,781	—			—	2,071,781	—
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	—	4,128,180			4,157,484	4,128,180	(29,304)
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	4,103,688	—			—	4,103,688	—
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	—	2,051,843.75			2,051,843.75	2,051,844	—
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	—	2,051,844			2,051,844	2,051,844	—
	COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2048 DD 03/01/18	3,747,500	—			—	3,747,500	—
	COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2048 DD 03/01/18	—	3,737,969			3,735,653	3,737,969	2,316
	COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2048 DD 03/01/18	3,723,750	—			—	3,723,750	—
	COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2048 DD 03/01/18	—	3,723,750			3,735,653	3,723,750	(11,903)
	COMMIT TO PUR FNMA SF MTG 2.500% 04/01/2048 DD 04/01/18	3,733,750	—			—	3,733,750	—
	COMMIT TO PUR FNMA SF MTG 2.500% 04/01/2048 DD 04/01/18	—	3,752,969			3,733,409	3,752,969	19,560
	COMMIT TO PUR FNMA SF MTG 2.500% 05/01/2048 DD 05/01/18	4,123,625	—			—	4,123,625	—
	COMMIT TO PUR FNMA SF MTG 2.500% 05/01/2048 DD 05/01/18	—	4,094,578			4,123,625	4,094,578	(29,047)
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	1,394,297	—			—	1,394,297	—
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	2,695,641	—			—	2,695,641	—
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	—	1,406,016			1,397,008	1,406,016	9,008
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	1,404,961	—			—	1,404,961	—
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	—	1,404,961			1,397,008	1,404,961	7,953
	COMMIT TO PUR FNMA SF MTG 3.000% 01/01/2048 DD 01/01/18	1,901,188	—			—	1,901,188	—
	COMMIT TO PUR FNMA SF MTG 3.000% 01/01/2048 DD 01/01/18	—	1,891,836			1,901,188	1,891,836	(9,352)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	1,889,313	—			—	1,889,313	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	1,698,605			1,690,438	1,698,605	8,167
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	1,889,016	—			—	1,889,016	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	1,889,016			1,868,537	1,889,016	20,479
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	1,668,789	—			—	1,668,789	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	1,664,273	—			—	1,664,273	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	2,643,258	—			—	2,643,258	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	1,898,441			1,868,537	1,898,441	29,904
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	3,317,789	—			—	3,317,789	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	4,269,375	—			—	4,269,375	—

	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	1,649,531	1,651,310	1,649,531	(1,779)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	2,619,844	2,622,668	2,619,844	(2,824)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	3,321,109	—	—	3,321,109	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	3,323,766	3,326,442	3,323,766	(2,676)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	3,321,109	3,326,442	3,321,109	(5,333)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	4,330,219	4,304,807	4,330,219	25,412
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	2,317,875	—	—	2,317,875	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	7,339,938	—	—	7,339,938	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	4,152,094	4,062,207	4,152,094	89,887
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	1,666,266	1,644,227	1,666,266	22,039
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	3,294,016	—	—	3,294,016	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	4,069,078	—	—	4,069,078	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	1,645,414	—	—	1,645,414	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	3,616,750	3,578,611	3,616,750	38,139
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	3,312,344	3,288,453	3,312,344	23,891
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	2,322,938	2,321,261	2,322,938	1,677
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	3,586,688	—	—	3,586,688	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	7,363,094	7,360,920	7,363,094	2,174
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	—	9,645,313	9,645,313	9,645,313	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	—	4,550,188	4,550,188	4,550,188	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	4,583,418	—	—	4,583,418	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	9,731,641	—	—	9,731,641	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	9,715,625	—	—	9,715,625	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	—	9,715,625	9,715,625	9,715,625	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	4,558,816	—	—	4,558,816	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	4,577,359	4,524,153	4,577,359	53,206
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	2,595,797	—	—	2,595,797	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	7,018,266	—	—	7,018,266	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	2,624,063	2,598,981	2,624,063	25,082
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	7,094,688	7,026,875	7,094,688	67,813
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	2,589,469	—	—	2,589,469	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	2,595,375	—	—	2,595,375	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	7,017,125	—	—	7,017,125	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	2,595,375	2,598,981	2,595,375	(3,606)
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	7,017,125	7,026,875	7,017,125	(9,750)

COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	2,599,383	2,598,981	2,599,383	402
COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	2,601,281	—	—	2,601,281	—
COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	2,601,281	2,601,281	2,601,281	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	1,937,813	1,937,813	1,937,813	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	2,616,047	2,616,047	2,616,047	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	9,603,125	9,603,125	9,603,125	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	2,596,219	—	—	2,596,219	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	1,933,281	—	—	1,933,281	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	9,666,406	—	—	9,666,406	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	9,706,250	—	—	9,706,250	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	2,909,531	—	—	2,909,531	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	1,941,250	—	—	1,941,250	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	9,706,250	9,706,250	9,706,250	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	1,941,250	1,933,281	1,941,250	7,969
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2047 DD 07/01/17	1,907,719	—	—	1,907,719	—
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2047 DD 07/01/17	—	1,907,719	1,907,719	1,907,719	—
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2047 DD 07/01/17	—	1,914,807	1,893,643	1,914,807	21,164
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2047 DD 07/01/17	—	2,967,188	2,989,963	2,967,188	(22,775)
COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2047 DD 08/01/17	—	1,909,500	1,911,875	1,909,500	(2,375)
COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2047 DD 08/01/17	1,906,086	—	—	1,906,086	—
COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2047 DD 08/01/17	—	1,906,086	1,906,086	1,906,086	—
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2047 DD 09/01/17	1,906,680	—	—	1,906,680	—
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2047 DD 09/01/17	—	1,905,863	1,906,680	1,905,863	(817)
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2047 DD 09/01/17	1,918,406	—	—	1,918,406	—
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2047 DD 09/01/17	—	1,918,406	1,918,406	1,918,406	—
COMMIT TO PUR FNMA SF MTG 3.000% 10/01/2047 DD 10/01/17	1,903,043	—	—	1,903,043	—
COMMIT TO PUR FNMA SF MTG 3.000% 10/01/2047 DD 10/01/17	—	1,910,316	1,903,043	1,910,316	7,273
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2047 DD 11/01/17	1,907,348	—	—	1,907,348	—
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2047 DD 11/01/17	—	1,903,563	1,907,348	1,903,563	(3,785)
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2047 DD 11/01/17	1,901,930	—	—	1,901,930	—
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2047 DD 11/01/17	—	1,901,930	1,901,930	1,901,930	—
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2047 DD 12/01/17	1,900,594	—	—	1,900,594	—
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2047 DD 12/01/17	—	1,903,637	1,900,594	1,903,637	3,043
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2047 DD 12/01/17	1,900,297	—	—	1,900,297	—
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2047 DD 12/01/17	—	1,900,297	1,900,297	1,900,297	—

COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	1,955,664	—	—	1,955,664	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	—	1,956,184	1,955,633	1,956,184	551
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	2,259,125	—	—	2,259,125	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	—	2,257,320	2,259,125	2,257,320	(1,805)
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	2,248,125	—	—	2,248,125	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	—	2,248,125	2,248,125	2,248,125	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	2,254,656	—	—	2,254,656	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	1,954,031	—	—	1,954,031	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	—	1,945,719	1,950,282	1,945,719	(4,563)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	—	2,236,609	2,258,221	2,236,609	(21,612)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	2,237,297	—	—	2,237,297	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	—	2,237,297	2,237,297	2,237,297	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	2,740,922	—	—	2,740,922	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	1,943,641	—	—	1,943,641	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	—	1,930,801	1,935,186	1,930,801	(4,385)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	—	2,747,039	2,750,001	2,747,039	(2,962)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	2,750,625	—	—	2,750,625	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	—	2,750,625	2,750,001	2,750,625	624
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	1,927,906	—	—	1,927,906	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	2,743,031	—	—	2,743,031	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	—	4,669,809	4,670,938	4,669,809	(1,129)
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	4,651,750	—	—	4,651,750	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	—	2,730,375	2,730,375	2,730,375	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	—	1,921,375	1,921,375	1,921,375	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2033 DD 06/01/18	4,663,250	—	—	4,663,250	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	2,227,672	—	—	2,227,672	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	2,231,754	2,227,672	2,231,754	4,082
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	2,213,063	—	—	2,213,063	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	2,212,375	2,213,063	2,212,375	(688)
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	2,201,719	—	—	2,201,719	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	2,201,719	—	—	2,201,719	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	2,201,719	2,212,879	2,201,719	(11,160)
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	2,201,719	2,201,719	2,201,719	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	4,832,625	—	—	4,832,625	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	4,833,750	—	—	4,833,750	—

COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	6,127,500	—	—	6,127,500	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	4,837,500	4,828,100	4,837,500	9,400
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	4,832,625	4,828,100	4,832,625	4,525
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	6,034,570	6,127,500	6,034,570	(92,930)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	2,228,188	—	—	2,228,188	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	2,224,191	2,228,188	2,224,191	(3,997)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	2,208,594	—	—	2,208,594	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	6,024,375	—	—	6,024,375	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	2,198,625	2,208,716	2,198,625	(10,091)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	2,191,234	—	—	2,191,234	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	5,980,430	6,006,068	5,980,430	(25,638)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	2,191,234	2,208,716	2,191,234	(17,482)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	6,003,281	—	—	6,003,281	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	2,201,203	—	—	2,201,203	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	6,003,281	6,003,281	6,003,281	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	2,201,203	2,201,203	2,201,203	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	2,295,328	—	—	2,295,328	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	5,971,875	—	—	5,971,875	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	1,110,656	—	—	1,110,656	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	1,110,656	—	—	1,110,656	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	—	5,982,656	5,993,438	5,982,656	(10,782)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	—	2,293,352	2,297,484	2,293,352	(4,132)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	1,098,969	—	—	1,098,969	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	1,098,969	—	—	1,098,969	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	—	1,098,969	1,098,969	1,098,969	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	—	1,098,969	1,098,969	1,098,969	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2048 DD 05/01/18	8,263,039	—	—	8,263,039	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2048 DD 05/01/18	—	1,100,129	1,094,548	1,100,129	5,581
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2048 DD 05/01/18	—	8,279,250	8,258,866	8,279,250	20,384
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	1,098,711	—	—	1,098,711	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	8,268,389	—	—	8,268,389	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	—	8,183,930	8,265,762	8,183,930	(81,832)
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	2,991,914	—	—	2,991,914	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	—	2,992,383	2,991,914	2,992,383	469
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	—	1,497,070	1,497,070	1,497,070	—

COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	8,173,879	—	—	8,173,879	—
COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	11,314,023	—	—	11,314,023	—
COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	1,494,375	—	—	1,494,375	—
COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	1,494,375	—	—	1,494,375	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	2,297,969	—	—	2,297,969	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	5,222,656	—	—	5,222,656	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	5,214,063	—	—	5,214,063	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	5,209,961	5,210,319	5,209,961	(358)
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	5,214,063	5,210,319	5,214,063	3,744
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	2,295,734	2,292,540	2,295,734	3,194
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	8,315,000	—	—	8,315,000	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	3,114,961	3,126,191	3,114,961	(11,230)
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	5,190,820	5,210,319	5,190,820	(19,499)
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	5,137,500	—	—	5,137,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	3,082,500	—	—	3,082,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	8,220,000	8,220,000	8,220,000	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	5,202,539	—	—	5,202,539	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	2,292,469	—	—	2,292,469	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	5,182,813	—	—	5,182,813	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	3,110,156	—	—	3,110,156	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	2,258,008	2,285,102	2,258,008	(27,094)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	5,132,422	5,193,413	5,132,422	(60,991)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	5,126,465	5,193,413	5,126,465	(66,948)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	3,068,496	3,116,048	3,068,496	(47,552)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	3,067,500	—	—	3,067,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	5,112,500	—	—	5,112,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	3,067,500	3,067,500	3,067,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	2,045,000	2,045,000	2,045,000	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	3,067,500	3,067,500	3,067,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	5,124,805	—	—	5,124,805	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	5,118,750	—	—	5,118,750	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	3,063,750	—	—	3,063,750	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	2,049,688	—	—	2,049,688	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	5,116,797	5,119,066	5,116,797	(2,269)
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	5,110,156	5,119,066	5,110,156	(8,910)

COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	3,067,148	3,071,440	3,067,148	(4,292)
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	2,044,766	2,047,626	2,044,766	(2,860)
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	2,048,906	—	—	2,048,906	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	2,048,906	2,048,906	2,048,906	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	5,305,016	—	—	5,305,016	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	5,102,734	—	—	5,102,734	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	5,108,008	—	—	5,108,008	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	—	5,121,875	5,103,868	5,121,875	18,007
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	—	5,121,680	5,103,868	5,121,680	17,812
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	—	5,326,750	5,308,022	5,326,750	18,728
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2048 DD 06/01/18	5,114,453	—	—	5,114,453	—
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2048 DD 06/01/18	5,114,551	—	—	5,114,551	—
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2048 DD 06/01/18	5,114,551	—	—	5,114,551	—
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2048 DD 06/01/18	—	5,106,934	5,114,519	5,106,934	(7,585)
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	3,063,047	—	—	3,063,047	—
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	5,100,000	—	—	5,100,000	—
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	—	3,061,172	3,063,047	3,061,172	(1,875)
COMMIT TO PUR FNMA SF MTG 4.000% 08/01/2048 DD 08/01/18	3,056,719	—	—	3,056,719	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2048 DD 02/01/18	—	3,080,230	3,080,230	3,080,230	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2048 DD 02/01/18	3,057,008	—	—	3,057,008	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2048 DD 02/01/18	3,047,492	—	—	3,047,492	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2048 DD 02/01/18	—	3,047,492	3,047,492	3,047,492	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	5,785,742	—	—	5,785,742	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	2,302,094	—	—	2,302,094	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	2,325,727	2,306,433	2,325,727	19,294
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	1,991,141	—	—	1,991,141	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	5,753,516	—	—	5,753,516	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	2,301,406	—	—	2,301,406	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	3,452,109	3,459,650	3,452,109	(7,541)
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	1,999,750	1,991,920	1,999,750	7,830
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	5,791,328	5,766,083	5,791,328	25,245
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	2,301,406	2,306,433	2,301,406	(5,027)
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	3,347,500	3,347,500	3,347,500	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	1,362,309	—	—	1,362,309	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	1,257,422	—	—	1,257,422	—

COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	1,363,070	1,362,260	1,363,070	810
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	1,258,219	1,257,471	1,258,219	748
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	1,359,414	—	—	1,359,414	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	1,359,414	1,359,414	1,359,414	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	1,254,656	—	—	1,254,656	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	1,566,445	—	—	1,566,445	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	2,090,313	2,089,962	2,090,313	351
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	2,090,469	—	—	2,090,469	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	1,254,188	1,253,977	1,254,188	211
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	1,985,352	—	—	1,985,352	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	1,776,367	—	—	1,776,367	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	1,988,172	1,985,464	1,988,172	2,708
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	1,777,762	1,776,468	1,777,762	1,294
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	1,569,023	1,567,472	1,569,023	1,551
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	3,756,656	—	—	3,756,656	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	2,086,719	2,081,193	2,086,719	5,526
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	2,077,188	—	—	2,077,188	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	3,755,250	3,746,148	3,755,250	9,102
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	2,178,750	—	—	2,178,750	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	2,185,969	2,185,253	2,185,969	716
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	2,184,328	—	—	2,184,328	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	2,080,313	—	—	2,080,313	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	2,080,313	2,080,313	2,080,313	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	2,080,313	2,080,313	2,080,313	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	1,350,934	—	—	1,350,934	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	1,354,438	1,354,899	1,354,438	(461)
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	1,352,508	—	—	1,352,508	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	2,085,156	—	—	2,085,156	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	2,397,930	—	—	2,397,930	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	2,073,750	2,084,460	2,073,750	(10,710)
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	1,352,508	1,354,899	1,352,508	(2,391)
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	2,089,688	—	—	2,089,688	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	2,089,688	2,084,460	2,089,688	5,228
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	2,396,313	2,397,129	2,396,313	(816)
COMMIT TO PUR FNMA SF MTG 4.500% 07/01/2048 DD 07/01/18	—	5,204,688	5,204,688	5,204,688	—

COMMIT TO PUR FNMA SF MTG 5.000% 02/01/2048 DD 02/01/18	2,038,641	—	—	2,038,641	—
COMMIT TO PUR FNMA SF MTG 5.000% 02/01/2048 DD 02/01/18	—	2,038,938	2,038,641	2,038,938	297
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2048 DD 05/01/18	1,276,500	—	—	1,276,500	—
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2048 DD 05/01/18	—	1,278,375	1,276,500	1,278,375	1,875
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2048 DD 05/01/18	1,272,563	—	—	1,272,563	—
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2048 DD 05/01/18	—	1,272,563	1,272,563	1,272,563	—
AMAZON.COM INC 144A 4.250% 08/22/2057 DD 08/22/17	1,190,184	—	—	1,190,184	—
AMERICAN INTERNATIONAL GROUP I	1,418,273	—	—	1,418,273	—
AMGEN INC	1,176,334	—	—	1,176,334	—
APPLE INC 2.900% 09/12/2027 DD 09/12/17	1,698,096	—	—	1,698,096	—
AXA EQUITABLE HOLDINGS INC	1,155,040	—	—	1,155,040	—
BAIDU INC ADR	—	1,402,254	871,024	1,402,254	531,230
CONSOLIDATED EDISON CO OF NEW 4.500% 05/15/2058 DD 05/10/18	1,592,624	—	—	1,592,624	—
DEXIA CREDIT LOCAL SA 144A 2.375% 09/20/2022 DD 09/20/17	1,396,402	—	—	1,396,402	—
EDISON INTERNATIONAL	1,315,981	—	—	1,315,981	—
FACEBOOK INC	—	1,250,629	572,299	1,250,629	678,330
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	1,857,054	—	—	1,857,054	—
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	—	1,856,750	1,737,936	1,856,750	118,814
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	1,942,093	—	—	1,942,093	—
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	—	1,941,625	1,857,054	1,941,625	84,571
FHLMC MULTICLASS MTG K071 A2 3.286% 11/25/2027 DD 12/01/17	1,441,915	—	—	1,441,915	—
FHLMC MULTICLASS MTG K071 A2 3.286% 11/25/2027 DD 12/01/17	—	1,422,695	1,441,915	1,422,695	(19,220)
GMO STRAT OPPOR ALLOCATION-3	3,501,813	—	—	3,501,813	—
HILTON WORLDWIDE HOLDINGS INC	—	1,197,163	834,286	1,197,163	362,877
METLIFE INC	1,109,341	—	—	1,109,341	—
PIMCO ALL ASSET FUND-INST	2,030,775	—	—	2,030,775	—
PIMCO ALL ASSET FUND-INST	3,412,463	—	—	3,412,463	—
PIMCO ALL ASSET FUND-INST	21,000,000	—	—	21,000,000	—
PIMCO ALL ASSET FUND-INST	2,500,000	—	—	2,500,000	—
PIMCO ALL ASSET FUND-INST	—	4,000,000	3,979,124	4,000,000	20,876
PIMCO ALL ASSET FUND-INST	—	12,000,000	12,017,567	12,000,000	(17,567)
PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,100,000	1,100,000	1,100,000	—
PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,100,000	1,099,890	1,100,000	110
PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,400,000	1,400,009	1,400,000	(9)
PIMCO FDS SHORT TERM FLTG NAV PORT II	1,200,000	—	—	1,200,000	—

	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,900,000	1,900,000	1,900,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	1,600,000	—	—	1,600,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	3,500,000	3,500,000	3,500,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	2,500,000	—	—	2,500,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	2,600,000	2,600,260	2,600,000	(260)
	PIMCO FDS SHORT TERM FLTG NAV PORT II	4,000,000	—	—	4,000,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	4,000,000	4,000,011	4,000,000	(11)
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	2,300,000	2,300,000	2,300,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	50,600,000	—	—	50,600,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	50,200,000	50,200,000	50,200,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	1,900,000	—	—	1,900,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	2,300,000	2,300,102	2,300,000	(102)
	PIMCO FDS SHORT TERM FLTG NAV PORT II	1,400,000	—	—	1,400,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,400,000	1,400,202	1,400,000	(202)
	PIMCO FDS SHORT TERM FLTG NAV PORT II	1,400,000	—	—	1,400,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	2,700,000	2,699,877	2,700,000	123
	PIMCO FDS SHORT TERM FLTG NAV PORT II	5,900,000	—	—	5,900,000	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	2,705,348	—	—	2,705,348	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	1,300,000	1,236,988	1,300,000	63,012
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,100,000	2,009,762	2,100,000	90,238
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	1,300,000	1,229,920	1,300,000	70,080
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	4,100,000	3,894,875	4,100,000	205,125
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	1,238,421	—	—	1,238,421	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	5,681,307	—	—	5,681,307	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	28,300,000	—	—	28,300,000	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,200,000	2,204,838	2,200,000	(4,838)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	1,400,000	1,423,911	1,400,000	(23,911)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	1,261,960	—	—	1,261,960	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,200,000	2,216,153	2,200,000	(16,153)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	5,600,000	5,720,291	5,600,000	(120,291)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,000,000	2,064,695	2,000,000	(64,695)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,800,000	2,916,427	2,800,000	(116,427)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,100,000	2,128,307	2,100,000	(28,307)
	SAUDI GOVERNMENT INTERNAT 144A 3.625% 03/04/2028 DD 10/04/17	1,482,465	—	—	1,482,465	—
	SAUDI GOVERNMENT INTERNAT 144A 3.625% 03/04/2028 DD 10/04/17	—	1,489,500	1,482,465	1,489,500	7,035

SAUDI GOVERNMENT INTERNAT 144A 4.625% 10/04/2047 DD 10/04/17	1,888,410	—	—	1,888,410	—
SAUDI GOVERNMENT INTERNAT 144A 4.000% 04/17/2025 DD 04/17/18	1,882,387	—	—	1,882,387	—
U S TREASURY BD PRIN STRIP 0.000% 08/15/2042 DD 08/15/12	—	2,497,050	1,531,950	2,497,050	965,100
U S TREASURY BD PRIN STRIP 0.000% 11/15/2042 DD 11/15/12	—	1,484,130	1,074,541	1,484,130	409,589
U S TREASURY BD PRIN STRIP 0.000% 08/15/2043 DD 08/15/13	1,876,719	—	—	1,876,719	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,130,752	—	—	1,130,752	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,111,119	—	—	1,111,119	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,111,472	1,113,221	1,111,472	(1,749)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,231,237	—	—	1,231,237	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,226,041	—	—	1,226,041	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,226,117	1,232,870	1,226,117	(6,753)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,560,796	—	—	1,560,796	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,560,681	1,568,593	1,560,681	(7,912)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,954,295	—	—	1,954,295	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,954,295	1,957,884	1,954,295	(3,589)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,365,747	—	—	2,365,747	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,365,740	2,357,283	2,365,740	8,457
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,367,725	—	—	2,367,725	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,367,716	2,362,504	2,367,716	5,212
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,361,803	—	—	2,361,803	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,361,789	2,362,143	2,361,789	(354)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,369,704	—	—	2,369,704	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,369,712	2,362,152	2,369,712	7,560
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,347,956	—	—	2,347,956	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,347,978	2,369,704	2,347,978	(21,726)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,353,874	—	—	2,353,874	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,353,905	2,347,956	2,353,905	5,949
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,345,326	—	—	2,345,326	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,345,363	2,353,874	2,345,363	(8,511)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,423,337	—	—	1,423,337	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,423,321	1,451,910	1,423,321	(28,589)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,807,142	1,826,106	1,807,142	(18,964)
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	1,480,354	—	—	1,480,354	—
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	—	1,485,656	1,473,928	1,485,656	11,728
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	1,452,712	—	—	1,452,712	—

U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	—	1,454,031	1,480,354	1,454,031	(26,323)
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	1,158,231	—	—	1,158,231	—
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	—	1,159,000	1,211,834	1,159,000	(52,834)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,716,203	—	—	1,716,203	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,587,094	—	—	1,587,094	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,449,852	—	—	1,449,852	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,852,263	—	—	1,852,263	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,852,375	1,847,400	1,852,375	4,975
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,182,583	—	—	1,182,583	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,182,938	1,188,327	1,182,938	(5,389)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,443,502	—	—	1,443,502	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,443,750	1,450,645	1,443,750	(6,895)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	2,745,384	—	—	2,745,384	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	2,747,719	2,765,246	2,747,719	(17,527)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,565,902	—	—	1,565,902	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,566,000	1,573,520	1,566,000	(7,520)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,701,808	—	—	1,701,808	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,704,625	1,701,896	1,704,625	2,729
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	2,965,115	—	—	2,965,115	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	2,967,719	3,010,990	2,967,719	(43,271)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	2,973,607	—	—	2,973,607	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	2,974,906	2,981,681	2,974,906	(6,775)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,606,327	—	—	4,606,327	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,610,250	4,658,905	4,610,250	(48,655)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,701,856	—	—	4,701,856	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,705,875	4,606,327	4,705,875	99,548
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,670,895	—	—	4,670,895	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,686,750	4,701,856	4,686,750	(15,106)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,554,352	—	—	4,554,352	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,555,125	4,670,895	4,555,125	(115,770)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,519,871	—	—	4,519,871	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,541,625	4,554,352	4,541,625	(12,727)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,374,718	—	—	4,374,718	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,376,250	4,519,871	4,376,250	(143,621)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,381,710	—	—	4,381,710	—

U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,394,250	4,374,718	4,394,250	19,532
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	2,065,435	—	—	2,065,435	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	2,069,082	—	—	2,069,082	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	2,069,381	2,066,752	2,069,381	2,629
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,797,558	—	—	1,797,558	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,797,606	1,797,202	1,797,606	404
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,810,904	—	—	1,810,904	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,810,922	1,803,458	1,810,922	7,464
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,527,561	—	—	1,527,561	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,527,580	1,526,003	1,527,580	1,577
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,671,114	—	—	1,671,114	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,671,190	1,665,976	1,671,190	5,214
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,812,706	—	—	1,812,706	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,812,789	1,810,860	1,812,789	1,929
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,794,887	—	—	1,794,887	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,795,053	1,810,860	1,795,053	(15,807)
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	2,076,387	—	—	2,076,387	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	2,076,619	2,073,483	2,076,619	3,136
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,930,882	—	—	1,930,882	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,931,157	1,937,961	1,931,157	(6,804)
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	2,040,771	—	—	2,040,771	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	2,040,996	2,083,466	2,040,996	(42,470)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,752,833	—	—	4,752,833	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,756,813	4,670,207	4,756,813	86,606
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,963,288	—	—	4,963,288	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,982,250	5,005,276	4,982,250	(23,026)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,931,360	—	—	4,931,360	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,935,938	4,963,288	4,935,938	(27,350)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,914,773	—	—	4,914,773	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,918,875	4,931,360	4,918,875	(12,485)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	5,008,339	—	—	5,008,339	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	5,032,219	4,914,773	5,032,219	117,446
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,887,797	5,008,339	4,887,797	(120,542)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,879,875	—	—	4,879,875	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,876,611	4,879,875	4,876,611	(3,264)

U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,035,856	—	—	2,035,856	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,032,323	—	—	2,032,323	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	2,033,944	2,034,090	2,033,944	(146)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,009,676	—	—	2,009,676	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	2,011,472	2,034,090	2,011,472	(22,618)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,014,879	—	—	2,014,879	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	2,015,775	2,009,676	2,015,775	6,099
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,993,006	—	—	1,993,006	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,994,738	2,014,879	1,994,738	(20,141)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,030,882	—	—	2,030,882	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	2,040,638	1,993,006	2,040,638	47,632
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,546,925	—	—	1,546,925	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,547,109	1,632,670	1,547,109	(85,561)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,288,955	—	—	1,288,955	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,289,109	1,309,472	1,289,109	(20,363)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,905,135	—	—	1,905,135	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,906,284	1,924,621	1,906,284	(18,337)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,904,524	—	—	1,904,524	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,905,328	1,905,135	1,905,328	193
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,292,841	—	—	1,292,841	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,293,294	1,282,130	1,293,294	11,164
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,432,065	—	—	1,432,065	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,432,275	1,414,520	1,432,275	17,755
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,909,333	—	—	1,909,333	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,910,109	1,908,276	1,910,109	1,833
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,870,881	—	—	1,870,881	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,876,163	1,909,333	1,876,163	(33,170)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	3,019,870	—	—	3,019,870	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	3,021,000	3,040,203	3,021,000	(19,203)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	3,037,518	—	—	3,037,518	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	3,039,750	3,040,203	3,039,750	(453)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	2,526,560	—	—	2,526,560	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	2,528,125	2,532,384	2,528,125	(4,259)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	2,048,751	—	—	2,048,751	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	2,049,000	2,023,966	2,049,000	25,034

U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,081,847	—	—	6,081,847	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,087,000	6,096,683	6,087,000	(9,683)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,135,627	—	—	6,135,627	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,157,500	6,081,847	6,157,500	75,653
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,076,870	—	—	6,076,870	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,082,500	6,135,627	6,082,500	(53,127)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,054,954	—	—	6,054,954	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,060,000	6,076,870	6,060,000	(16,870)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,173,139	—	—	6,173,139	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,202,500	6,054,954	6,202,500	147,546
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,027,750	6,173,139	6,027,750	(145,389)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,015,000	—	—	6,015,000	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,010,987	6,015,000	6,010,987	(4,013)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,099,286	—	—	4,099,286	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,102,656	4,033,715	4,102,656	68,941
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,164,566	—	—	4,164,566	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,185,781	4,099,286	4,185,781	86,495
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,135,304	—	—	4,135,304	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,138,750	4,164,566	4,138,750	(25,816)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,209,387	—	—	4,209,387	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,209,844	4,135,304	4,209,844	74,540
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,210,215	—	—	4,210,215	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,212,031	4,209,387	4,212,031	2,644
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,192,118	—	—	4,192,118	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,194,531	4,210,215	4,194,531	(15,684)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,211,800	—	—	4,211,800	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,213,125	4,192,118	4,213,125	21,007
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,207,158	—	—	4,207,158	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,213,125	4,211,800	4,213,125	1,325
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,188,803	—	—	4,188,803	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,191,250	4,207,158	4,191,250	(15,908)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,157,750	—	—	4,157,750	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,160,625	4,188,803	4,160,625	(28,178)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	1,276,762	—	—	1,276,762	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	1,277,719	1,306,722	1,277,719	(29,003)

U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	2,740,067	—	—	2,740,067	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	2,740,500	2,830,485	2,740,500	(89,985)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	3,007,487	—	—	3,007,487	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	3,008,578	3,054,611	3,008,578	(46,033)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	2,993,107	—	—	2,993,107	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	3,001,953	3,021,310	3,001,953	(19,357)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,315,913	—	—	4,315,913	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,317,188	4,247,236	4,317,188	69,952
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,251,293	—	—	4,251,293	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,255,078	4,315,913	4,255,078	(60,835)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,204,207	—	—	4,204,207	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,218,750	4,251,293	4,218,750	(32,543)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	1,641,504	—	—	1,641,504	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	1,514,906	—	—	1,514,906	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	1,139,000	—	—	1,139,000	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	1,137,306	—	—	1,137,306	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	1,137,375	1,136,308	1,137,375	1,067
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	1,140,750	1,136,667	1,140,750	4,083
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,036,521	—	—	2,036,521	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,039,500	2,022,375	2,039,500	17,125
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,156,393	—	—	3,156,393	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,157,031	3,165,250	3,157,031	(8,219)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,141,074	—	—	3,141,074	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,141,406	3,165,250	3,141,406	(23,844)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,095,149	—	—	3,095,149	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,095,313	3,141,074	3,095,313	(45,761)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,100,745	—	—	3,100,745	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,101,563	3,095,149	3,101,563	6,414
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,130,393	—	—	3,130,393	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,132,813	3,100,745	3,132,813	32,068
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,010,411	—	—	3,010,411	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,010,938	3,130,393	3,010,938	(119,455)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,992,546	—	—	2,992,546	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,993,750	3,010,411	2,993,750	(16,661)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,978,085	—	—	2,978,085	—

U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,987,500	2,992,546	2,987,500	(5,046)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,954,000	—	—	6,954,000	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	5,105,434	—	—	5,105,434	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	5,105,625	5,087,166	5,105,625	18,459
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,932,327	—	—	6,932,327	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	6,932,625	6,916,709	6,932,625	15,916
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,934,316	—	—	6,934,316	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	6,936,188	6,927,565	6,936,188	8,623
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,508,391	—	—	9,508,391	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,550,312	—	—	9,550,312	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,551,594	9,559,055	9,551,594	(7,461)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,560,462	—	—	9,560,462	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,563,938	9,554,765	9,563,938	9,173
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,921,221	—	—	6,921,221	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	6,923,719	6,895,961	6,923,719	27,758
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,031,847	—	—	3,031,847	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,032,813	3,028,467	3,032,813	4,346
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,900,965	—	—	6,900,965	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,563,387	—	—	9,563,387	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	6,927,281	6,903,188	6,927,281	24,093
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,566,406	9,571,613	9,566,406	(5,207)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,987,756	—	—	2,987,756	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,990,625	3,027,369	2,990,625	(36,744)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,370,795	—	—	9,370,795	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,373,844	9,547,048	9,373,844	(173,204)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,412,306	—	—	9,412,306	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,415,813	9,460,564	9,415,813	(44,751)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,953,873	—	—	2,953,873	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,363,525	—	—	9,363,525	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,964,844	2,974,965	2,964,844	(10,121)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,363,969	9,436,885	9,363,969	(72,916)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,395,624	—	—	9,395,624	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,396,063	9,390,539	9,396,063	5,524
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,397,199	—	—	9,397,199	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,398,531	9,393,034	9,398,531	5,497

U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,385,604	—	—	9,385,604	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,388,656	9,395,078	9,388,656	(6,422)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	7,488,780	—	—	7,488,780	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	7,508,000	7,607,436	7,508,000	(99,436)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	3,986,322	—	—	3,986,322	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	3,989,775	3,903,856	3,989,775	85,919
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,048,712	—	—	4,048,712	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,070,775	4,002,818	4,070,775	67,957
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,046,027	—	—	4,046,027	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,049,650	4,031,944	4,049,650	17,706
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,114,641	—	—	4,114,641	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,116,315	4,048,095	4,116,315	68,220
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,539,765	—	—	4,539,765	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,562,434	4,573,648	4,562,434	(11,214)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,337,372	—	—	4,337,372	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,351,345	4,573,648	4,351,345	(222,303)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,536,709	—	—	4,536,709	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,538,184	4,485,003	4,538,184	53,181
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,469,574	—	—	4,469,574	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,473,959	4,531,286	4,473,959	(57,327)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,418,148	—	—	4,418,148	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,434,966	4,476,046	4,434,966	(41,080)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	3,028,008	—	—	3,028,008	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	3,051,328	—	—	3,051,328	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	3,053,438	3,028,008	3,053,438	25,430
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	3,075,232	—	—	3,075,232	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	3,075,938	3,064,134	3,075,938	11,804
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	2,674,312	—	—	2,674,312	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	2,674,750	2,653,181	2,674,750	21,569
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	2,662,305	—	—	2,662,305	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	2,662,563	2,674,312	2,662,563	(11,749)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	2,622,333	—	—	2,622,333	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	2,623,563	2,662,305	2,623,563	(38,742)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	1,906,208	—	—	1,906,208	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	1,906,531	1,915,172	1,906,531	(8,641)

U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	1,501,172	—	—	1,501,172	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	3,113,246	—	—	3,113,246	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	3,113,563	3,111,828	3,113,563	1,735
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	4,044,188	—	—	4,044,188	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	4,044,906	4,117,061	4,044,906	(72,155)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	4,058,850	—	—	4,058,850	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	4,059,000	4,044,188	4,059,000	14,812
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	9,122,426	—	—	9,122,426	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	9,128,125	8,811,257	9,128,125	316,868
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,886,344	—	—	8,886,344	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,908,344	8,824,956	8,908,344	83,388
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	9,108,092	—	—	9,108,092	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	9,110,875	9,183,815	9,110,875	(72,940)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,987,700	—	—	8,987,700	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,993,000	9,108,092	8,993,000	(115,092)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	9,243,557	—	—	9,243,557	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	9,248,875	8,987,700	9,248,875	261,175
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	9,218,143	—	—	9,218,143	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	9,237,375	9,243,557	9,237,375	(6,182)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,989,192	—	—	8,989,192	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,990,125	9,218,143	8,990,125	(228,018)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,926,408	—	—	8,926,408	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,952,750	8,989,192	8,952,750	(36,442)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,587,696	—	—	8,587,696	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,607,750	8,926,408	8,607,750	(318,658)
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	1,181,274	—	—	1,181,274	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	1,182,000	1,167,173	1,182,000	14,827
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	1,195,935	—	—	1,195,935	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	1,196,625	1,177,923	1,196,625	18,702
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	1,177,856	—	—	1,177,856	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	1,182,000	1,189,299	1,182,000	(7,299)
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	1,174,213	—	—	1,174,213	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	1,174,500	1,182,238	1,174,500	(7,738)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	4,982,475	—	—	4,982,475	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	4,986,000	5,017,439	4,986,000	(31,439)

U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	5,073,545	—	—	5,073,545	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	5,095,500	4,998,582	5,095,500	96,918
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	1,602,940	—	—	1,602,940	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	1,605,000	1,581,611	1,605,000	23,389
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	1,237,317	—	—	1,237,317	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	1,237,525	1,247,566	1,237,525	(10,041)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	1,245,889	—	—	1,245,889	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	1,246,006	1,245,949	1,246,006	57
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	1,241,469	—	—	1,241,469	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	1,242,319	1,245,939	1,242,319	(3,620)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,122,522	—	—	2,122,522	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,123,125	2,110,790	2,123,125	12,335
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	5,028,916	—	—	5,028,916	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	5,032,500	5,073,426	5,032,500	(40,926)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,068,190	—	—	2,068,190	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,076,875	2,100,467	2,076,875	(23,592)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	5,125,351	—	—	5,125,351	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	5,127,000	5,020,409	5,127,000	106,591
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	5,042,413	—	—	5,042,413	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	5,061,000	5,089,336	5,061,000	(28,336)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,090,066	—	—	2,090,066	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,090,625	2,108,110	2,090,625	(17,485)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,721,514	—	—	2,721,514	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,721,875	2,818,403	2,721,875	(96,528)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,701,793	—	—	2,701,793	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,702,613	2,783,689	2,702,613	(81,076)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,501,401	—	—	7,501,401	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	7,519,738	7,687,504	7,519,738	(167,766)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,651,176	—	—	7,651,176	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	7,652,975	7,501,401	7,652,975	151,574
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,535,441	—	—	7,535,441	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	7,540,775	7,651,176	7,540,775	(110,401)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,455,558	—	—	7,455,558	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	7,475,325	7,535,441	7,475,325	(60,116)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	3,435,983	—	—	3,435,983	—

U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	3,437,188	3,366,069	3,437,188	71,119
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	3,366,220	—	—	3,366,220	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	3,379,813	3,435,983	3,379,813	(56,170)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,613,223	—	—	2,613,223	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,617,063	2,588,110	2,617,063	28,953
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,620,781	—	—	2,620,781	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,621,125	2,613,223	2,621,125	7,902
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	1,528,872	—	—	1,528,872	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	1,529,063	1,511,989	1,529,063	17,074
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,649,334	—	—	2,649,334	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,649,563	2,637,664	2,649,563	11,899
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,658,096	—	—	2,658,096	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,664,188	2,649,334	2,664,188	14,854
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,593,756	—	—	2,593,756	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,595,125	2,658,096	2,595,125	(62,971)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,505,829	—	—	2,505,829	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,506,563	2,593,756	2,506,563	(87,193)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,492,040	—	—	2,492,040	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,497,625	2,505,829	2,497,625	(8,204)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	1,858,641	—	—	1,858,641	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	1,859,031	1,821,106	1,859,031	37,925
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,023,254	—	—	2,023,254	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,024,531	2,043,118	2,024,531	(18,587)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,479,006	—	—	2,479,006	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,484,625	2,509,710	2,484,625	(25,085)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	6,441,297	—	—	6,441,297	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	6,446,344	6,552,744	6,446,344	(106,400)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	6,555,421	—	—	6,555,421	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	6,587,063	6,441,297	6,587,063	145,766
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	6,950,392	—	—	6,950,392	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	6,955,906	7,012,202	6,955,906	(56,296)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	7,058,198	—	—	7,058,198	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	7,085,531	6,949,519	7,085,531	136,012
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	4,189,127	—	—	4,189,127	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	4,205,281	4,264,958	4,205,281	(59,677)

U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	2,698,405	—	—	2,698,405	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,699,250	2,740,083	2,699,250	(40,833)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	3,504,797	—	—	3,504,797	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	3,506,000	3,634,115	3,506,000	(128,115)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	3,486,282	—	—	3,486,282	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	3,496,000	3,574,142	3,496,000	(78,142)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,299,664	2,318,791	2,299,664	(19,127)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	2,302,781	—	—	2,302,781	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,315,578	2,313,918	2,315,578	1,660
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,299,472	2,313,918	2,299,472	(14,446)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	1,105,000	—	—	1,105,000	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	1,215,500	—	—	1,215,500	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	1,104,948	1,102,713	1,104,948	2,235
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	1,213,837	1,213,712	1,213,837	125
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	1,099,375	—	—	1,099,375	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	1,102,188	—	—	1,102,188	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	1,102,016	1,103,054	1,102,016	(1,038)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	2,716,351	—	—	2,716,351	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,722,656	2,755,149	2,722,656	(32,493)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,327,999	—	—	2,327,999	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,328,125	2,325,897	2,328,125	2,228
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,344,868	—	—	2,344,868	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,345,000	2,327,999	2,345,000	17,001
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,110,624	—	—	2,110,624	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,117,813	2,111,258	2,117,813	6,555
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,326,188	—	—	2,326,188	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,328,125	2,345,208	2,328,125	(17,083)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,315,771	—	—	2,315,771	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,317,500	2,326,188	2,317,500	(8,688)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,371,312	—	—	2,371,312	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,381,250	2,315,771	2,381,250	65,479
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,223,046	—	—	2,223,046	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,229,375	2,303,297	2,229,375	(73,922)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	3,952,212	—	—	3,952,212	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	3,971,406	3,955,937	3,971,406	15,469

U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,472,770	—	—	5,472,770	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,476,847	5,321,424	5,476,847	155,423
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,416,015	—	—	5,416,015	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,434,163	5,408,250	5,434,163	25,913
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,372,366	—	—	5,372,366	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,376,759	5,412,705	5,376,759	(35,946)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,008,143	—	—	4,008,143	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,015,156	4,004,983	4,015,156	10,173
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,347,818	—	—	5,347,818	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,351,738	5,391,376	5,351,738	(39,638)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,478,759	—	—	5,478,759	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,500,397	5,366,387	5,500,397	134,010
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,000,559	—	—	4,000,559	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,002,031	4,035,666	4,002,031	(33,635)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,058,370	—	—	4,058,370	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,060,000	4,020,700	4,060,000	39,300
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	2,449,055	—	—	2,449,055	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	2,449,781	2,422,055	2,449,781	27,726
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,623,139	—	—	1,623,139	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	2,445,227	—	—	2,445,227	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,623,563	1,618,949	1,623,563	4,614
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	2,448,469	2,429,495	2,448,469	18,974
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,637,420	—	—	1,637,420	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,638,000	1,622,346	1,638,000	15,654
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,284,527	—	—	1,284,527	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,284,594	1,276,720	1,284,594	7,874
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,598,701	—	—	1,598,701	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,603,367	—	—	1,603,367	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,603,438	1,626,248	1,603,438	(22,810)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,599,500	1,622,346	1,599,500	(22,846)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,057,788	—	—	4,057,788	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,060,000	4,045,785	4,060,000	14,215
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,028,961	—	—	4,028,961	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,031,563	4,050,902	4,031,563	(19,339)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	9,065,566	—	—	9,065,566	—

U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	9,066,919	9,480,318	9,066,919	(413,399)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,997,129	—	—	8,997,129	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	9,000,213	9,065,566	9,000,213	(65,353)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,947,065	—	—	8,947,065	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	8,971,991	8,997,129	8,971,991	(25,138)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	9,125,986	—	—	9,125,986	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	9,128,494	8,947,065	9,128,494	181,429
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,985,064	—	—	8,985,064	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	8,992,516	9,125,986	8,992,516	(133,470)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,887,209	—	—	8,887,209	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	8,915,547	8,985,064	8,915,547	(69,517)
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	1,265,177	—	—	1,265,177	—
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	1,270,557	—	—	1,270,557	—
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	1,270,706	1,265,177	1,270,706	5,529
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	1,245,627	—	—	1,245,627	—
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	1,245,925	1,270,557	1,245,925	(24,632)
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	1,262,745	—	—	1,262,745	—
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	1,263,463	1,245,627	1,263,463	17,836
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	1,204,178	1,262,745	1,204,178	(58,567)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	30,165,750	—	—	30,165,750	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	30,241,704	—	—	30,241,704	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	30,256,875	30,348,075	30,256,875	(91,200)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	28,942,712	—	—	28,942,712	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	28,998,750	30,241,704	28,998,750	(1,242,954)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	6,440,364	—	—	6,440,364	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	6,450,233	—	—	6,450,233	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	6,450,713	6,308,337	6,450,713	142,376
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	5,738,730	—	—	5,738,730	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	5,739,900	5,625,967	5,739,900	113,933
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	29,337,765	—	—	29,337,765	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	29,340,000	28,935,884	29,340,000	404,116
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	5,748,830	—	—	5,748,830	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	5,749,838	5,710,765	5,749,838	39,073
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	29,039,149	—	—	29,039,149	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	29,054,750	29,304,011	29,054,750	(249,261)

U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	5,262,458	—	—	5,262,458	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	5,263,425	5,317,013	5,263,425	(53,588)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	3,948,288	—	—	3,948,288	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	1,331,907	—	—	1,331,907	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	1,332,188	1,336,048	1,332,188	(3,860)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	3,954,069	3,972,036	3,954,069	(17,967)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	28,766,030	—	—	28,766,030	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	28,820,438	29,010,415	28,820,438	(189,977)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,690,566	—	—	1,690,566	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,691,732	1,701,703	1,691,732	(9,971)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,642,224	—	—	1,642,224	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,642,371	1,613,135	1,642,371	29,236
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,749,546	—	—	1,749,546	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,749,853	1,733,012	1,749,853	16,841
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,817,197	—	—	1,817,197	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,817,796	1,847,013	1,817,796	(29,217)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,853,245	—	—	1,853,245	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,853,830	1,833,202	1,853,830	20,628
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,648,880	—	—	1,648,880	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,649,257	1,637,794	1,649,257	11,463
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,534,124	—	—	1,534,124	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,534,342	1,539,577	1,534,342	(5,235)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,332,678	—	—	1,332,678	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,332,923	1,332,115	1,332,923	808
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,751,783	—	—	1,751,783	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,751,946	1,750,698	1,751,946	1,248
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,440,878	—	—	1,440,878	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,442,271	1,437,485	1,442,271	4,786
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	2,171,416	—	—	2,171,416	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	2,171,841	2,200,820	2,171,841	(28,979)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	2,189,103	—	—	2,189,103	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	2,190,347	2,178,609	2,190,347	11,738
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	2,085,074	—	—	2,085,074	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	2,085,258	2,186,536	2,085,258	(101,278)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,289,911	—	—	1,289,911	—

U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,290,755	1,311,827	1,290,755	(21,072)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,867,934	—	—	1,867,934	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,868,322	1,888,837	1,868,322	(20,515)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,768,620	—	—	1,768,620	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,770,439	1,778,612	1,770,439	(8,173)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,211,182	—	—	1,211,182	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,211,295	1,190,721	1,211,295	20,574
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,782,123	—	—	1,782,123	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,782,931	1,794,625	1,782,931	(11,694)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,551,245	—	—	1,551,245	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,553,836	1,580,869	1,553,836	(27,033)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,441,711	—	—	4,441,711	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,453,458	4,282,280	4,453,458	171,178
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,392,534	—	—	4,392,534	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,395,603	4,413,394	4,395,603	(17,791)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,372,223	—	—	4,372,223	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,374,940	4,396,239	4,374,940	(21,299)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,492,519	—	—	4,492,519	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,507,180	4,376,489	4,507,180	130,691
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,260,078	—	—	4,260,078	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,260,608	4,471,911	4,260,608	(211,303)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,226,346	—	—	4,226,346	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,227,548	4,267,139	4,227,548	(39,591)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,202,809	—	—	4,202,809	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,212,395	4,227,705	4,212,395	(15,310)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,294,121	—	—	4,294,121	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,295,045	4,203,639	4,295,045	91,406
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,224,807	—	—	4,224,807	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,227,548	4,291,105	4,227,548	(63,557)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,181,747	—	—	4,181,747	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,191,733	4,227,017	4,191,733	(35,284)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,342,459	—	—	2,342,459	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,343,125	2,386,573	2,343,125	(43,448)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,425,877	—	—	1,425,877	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,426,688	1,425,845	1,426,688	843

U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,037,936	—	—	2,037,936	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,038,125	2,036,369	2,038,125	1,756
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,361,135	—	—	2,361,135	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,361,813	2,343,391	2,361,813	18,422
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,373,805	—	—	2,373,805	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,374,031	2,361,135	2,374,031	12,896
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,380,442	—	—	2,380,442	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,381,219	2,373,805	2,381,219	7,414
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,386,425	—	—	2,386,425	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,386,969	2,380,442	2,386,969	6,527
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,408,311	—	—	2,408,311	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,408,531	2,386,425	2,408,531	22,106
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,410,870	—	—	2,410,870	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,411,406	2,408,311	2,411,406	3,095
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,415,406	—	—	2,415,406	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,415,719	2,410,870	2,415,719	4,849
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,226,427	—	—	1,226,427	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,226,625	1,260,212	1,226,625	(33,587)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,235,887	—	—	1,235,887	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,236,000	1,226,427	1,236,000	9,573
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,230,714	—	—	1,230,714	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,231,125	1,235,887	1,231,125	(4,762)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,231,527	—	—	1,231,527	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,231,875	1,230,714	1,231,875	1,161
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,246,153	—	—	1,246,153	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,246,500	1,231,527	1,246,500	14,973
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,227,640	—	—	1,227,640	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,227,750	1,246,153	1,227,750	(18,403)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,218,721	—	—	1,218,721	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,219,500	1,227,640	1,219,500	(8,140)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,250,028	—	—	1,250,028	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,250,250	1,218,721	1,250,250	31,529
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,232,829	—	—	1,232,829	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,233,000	1,250,028	1,233,000	(17,028)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,248,456	—	—	1,248,456	—

U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,248,750	1,232,829	1,248,750	15,921
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,229,471	—	—	1,229,471	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,233,327	—	—	1,233,327	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,230,000	1,233,327	1,230,000	(3,327)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,233,375	1,256,786	1,233,375	(23,411)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,249,275	—	—	1,249,275	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,249,875	1,229,471	1,249,875	20,404
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,236,145	—	—	1,236,145	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,236,375	1,249,275	1,236,375	(12,900)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,221,604	—	—	1,221,604	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,221,750	1,236,145	1,221,750	(14,395)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,212,505	—	—	1,212,505	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,216,500	1,221,604	1,216,500	(5,104)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,164,106	—	—	1,164,106	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,164,375	1,212,505	1,164,375	(48,130)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,713,395	—	—	2,713,395	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,697,839	—	—	2,697,839	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,698,263	2,713,395	2,698,263	(15,132)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,735,353	—	—	2,735,353	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,736,588	2,697,839	2,736,588	38,749
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,613,114	—	—	2,613,114	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,613,400	2,735,353	2,613,400	(121,953)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,590,852	—	—	2,590,852	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,591,500	2,613,114	2,591,500	(21,614)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,577,262	—	—	2,577,262	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,582,375	2,590,852	2,582,375	(8,477)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,635,738	—	—	2,635,738	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,636,213	2,577,262	2,636,213	58,951
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,592,831	—	—	2,592,831	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,594,238	2,635,738	2,594,238	(41,500)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,566,499	—	—	2,566,499	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,571,425	2,592,831	2,571,425	(21,406)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	2,349,518	—	—	2,349,518	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	2,325,117	—	—	2,325,117	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	2,325,672	2,349,518	2,325,672	(23,846)

U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	1,276,176	—	—	1,276,176	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	3,632,140	—	—	3,632,140	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	3,633,863	3,601,293	3,633,863	32,570
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	3,468,566	—	—	3,468,566	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	3,468,963	3,632,140	3,468,963	(163,177)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	3,440,176	—	—	3,440,176	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	3,441,075	3,468,566	3,441,075	(27,491)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	1,498,523	—	—	1,498,523	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	4,919,861	—	—	4,919,861	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	4,929,581	4,938,699	4,929,581	(9,118)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	5,033,310	—	—	5,033,310	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	5,034,206	4,919,861	5,034,206	114,345
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	4,949,595	—	—	4,949,595	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	4,952,250	5,033,310	4,952,250	(81,060)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	1,503,039	1,507,769	1,503,039	(4,730)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	1,502,375	—	—	1,502,375	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	1,502,286	1,505,767	1,502,286	(3,481)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	2,529,731	—	—	2,529,731	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	2,534,400	2,550,946	2,534,400	(16,546)
U S TREASURY BOND 2.875% 11/15/2046 DD 11/15/16	1,797,274	—	—	1,797,274	—
U S TREASURY BOND 2.875% 11/15/2046 DD 11/15/16	—	1,802,306	1,803,912	1,802,306	(1,606)
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	1,121,828	—	—	1,121,828	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	1,140,711	—	—	1,140,711	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	—	1,140,667	1,131,006	1,140,667	9,661
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	1,152,284	—	—	1,152,284	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	—	1,152,136	1,140,409	1,152,136	11,727
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	1,138,583	—	—	1,138,583	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	—	1,138,437	1,152,284	1,138,437	(13,847)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	4,548,164	—	—	4,548,164	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	2,530,818	—	—	2,530,818	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	7,138,273	—	—	7,138,273	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,531,250	2,526,758	2,531,250	4,492
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	6,406,979	—	—	6,406,979	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	6,408,281	6,369,503	6,408,281	38,778
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,574,113	—	—	11,574,113	—

U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,574,625	11,651,043	11,574,625	(76,418)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,555,506	—	—	11,555,506	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,556,500	11,651,043	11,556,500	(94,543)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,540,537	—	—	11,540,537	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,542,000	11,555,506	11,542,000	(13,506)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,537,868	—	—	11,537,868	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,538,375	11,540,537	11,538,375	(2,162)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,512,470	—	—	11,512,470	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,513,000	11,537,868	11,513,000	(24,868)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,476,219	—	—	11,476,219	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,476,750	11,512,470	11,476,750	(35,720)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,467,438	—	—	11,467,438	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,469,500	11,476,219	11,469,500	(6,719)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,487,104	—	—	11,487,104	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,487,625	11,467,438	11,487,625	20,187
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,567,979	—	—	11,567,979	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,571,000	11,487,104	11,571,000	83,896
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,662,945	—	—	1,662,945	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	2,527,291	—	—	2,527,291	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,527,688	2,583,748	2,527,688	(56,060)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	4,999,816	5,052,861	4,999,816	(53,045)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,751,826	—	—	9,751,826	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,577,800	—	—	1,577,800	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,577,725	1,590,027	1,577,725	(12,302)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,752,738	9,866,067	9,752,738	(113,329)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,652,423	—	—	9,652,423	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,655,113	9,654,210	9,655,113	903
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,740,239	—	—	9,740,239	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,743,372	9,750,039	9,743,372	(6,667)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,862,346	—	—	9,862,346	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,868,247	9,740,239	9,868,247	128,008
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,736,782	—	—	9,736,782	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,740,250	9,862,346	9,740,250	(122,096)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,916,896	—	—	9,916,896	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,924,441	9,736,782	9,924,441	187,659

U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	7,775,292	—	—	7,775,292	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	7,775,625	7,742,922	7,775,625	32,703
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,538,625	—	—	9,538,625	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,539,053	9,550,898	9,539,053	(11,845)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,818,443	—	—	9,818,443	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,818,916	9,837,525	9,818,916	(18,609)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,827,219	—	—	9,827,219	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,827,663	9,917,913	9,827,663	(90,250)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,901,188	—	—	9,901,188	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,902,588	9,827,219	9,902,588	75,369
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,902,107	—	—	9,902,107	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,902,588	9,901,188	9,902,588	1,400
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,920,845	—	—	9,920,845	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,921,319	9,902,107	9,921,319	19,212
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	10,048,873	—	—	10,048,873	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	10,049,316	9,920,845	10,049,316	128,471
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	10,023,909	—	—	10,023,909	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	10,024,341	10,048,873	10,024,341	(24,532)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,935,599	—	—	9,935,599	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,936,928	10,023,909	9,936,928	(86,981)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,980,182	—	—	9,980,182	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,980,634	9,935,599	9,980,634	45,035
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,526,637	—	—	9,526,637	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,527,066	9,580,575	9,527,066	(53,509)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,908,390	—	—	9,908,390	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,908,831	9,926,244	9,908,831	(17,413)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	10,040,299	—	—	10,040,299	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	10,002,128	—	—	10,002,128	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	10,002,488	9,908,390	10,002,488	94,098
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	10,049,316	10,002,128	10,049,316	47,188
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,163,775	1,185,941	1,163,775	(22,166)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,167,463	—	—	1,167,463	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,323,863	2,367,517	2,323,863	(43,654)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,167,098	1,183,759	1,167,098	(16,661)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	2,319,438	—	—	2,319,438	—

U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,318,796	2,354,638	2,318,796	(35,842)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,675,781	2,733,774	2,675,781	(57,993)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	3,620,966	—	—	3,620,966	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	2,656,944	—	—	2,656,944	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	3,621,888	3,657,378	3,621,888	(35,490)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,656,513	2,701,136	2,656,513	(44,623)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,263,595	1,259,042	1,263,595	4,553
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,269,844	—	—	1,269,844	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,269,544	1,259,042	1,269,544	10,502
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,294,309	—	—	1,294,309	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,294,356	1,308,543	1,294,356	(14,187)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,187,254	—	—	1,187,254	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,187,300	1,197,718	1,187,300	(10,418)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,394,075	—	—	1,394,075	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,394,313	1,396,406	1,394,313	(2,093)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,194,424	—	—	1,194,424	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	2,798,975	—	—	2,798,975	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	2,799,125	2,786,167	2,799,125	12,958
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,977,289	—	—	3,977,289	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,977,500	3,993,399	3,977,500	(15,899)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,862,973	—	—	4,862,973	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,863,250	4,868,231	4,863,250	(4,981)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,908,685	—	—	4,908,685	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,199,156	1,202,127	1,199,156	(2,971)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,909,188	4,862,973	4,909,188	46,215
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,399,453	1,402,482	1,399,453	(3,029)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,498,594	1,502,659	1,498,594	(4,065)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,268,139	—	—	1,268,139	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,268,244	1,285,975	1,268,244	(17,731)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,522,796	—	—	1,522,796	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,523,219	1,536,196	1,523,219	(12,977)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,543,756	—	—	3,543,756	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,543,906	3,564,516	3,543,906	(20,610)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,105,513	—	—	1,105,513	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,497,200	—	—	3,497,200	—

U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,497,656	3,520,478	3,497,656	(22,822)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,148,943	—	—	1,148,943	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,553,445	—	—	4,553,445	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,553,650	4,625,991	4,553,650	(72,341)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,445,674	—	—	4,445,674	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,445,906	4,386,452	4,445,906	59,454
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,745,030	—	—	5,745,030	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,745,309	5,761,609	5,745,309	(16,300)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,630,473	—	—	5,630,473	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,630,747	5,745,030	5,630,747	(114,283)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,658,574	—	—	5,658,574	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,659,388	5,630,473	5,659,388	28,915
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,142,610	—	—	4,142,610	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,142,813	4,167,526	4,142,813	(24,713)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,166,517	—	—	4,166,517	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,166,719	4,149,175	4,166,719	17,544
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,193,302	—	—	5,193,302	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,154,188	5,172,231	5,154,188	(18,043)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,651,771	—	—	5,651,771	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,653,659	5,633,214	5,653,659	20,445
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,962,486	—	—	3,962,486	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,962,719	3,964,455	3,962,719	(1,736)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,424,759	—	—	4,424,759	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,425,000	4,425,438	4,425,000	(438)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,385,783	—	—	4,385,783	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,196,153	—	—	1,196,153	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,386,000	4,425,438	4,386,000	(39,438)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,196,603	1,207,776	1,196,603	(11,173)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,409,369	—	—	4,409,369	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,410,000	4,425,438	4,410,000	(15,438)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,145,915	—	—	3,145,915	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,146,063	3,134,685	3,146,063	11,378
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	2,299,116	—	—	2,299,116	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	2,299,219	2,304,916	2,299,219	(5,697)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,787,213	—	—	3,787,213	—

U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,787,375	3,780,062	3,787,375	7,313
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,658,671	5,633,214	5,658,671	25,457
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,216,663	—	—	1,216,663	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,216,607	1,216,663	1,216,607	(56)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,568,531	—	—	1,568,531	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,568,267	1,568,531	1,568,267	(264)
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	13,811,888	—	—	13,811,888	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	13,865,453	—	—	13,865,453	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	13,865,950	13,811,888	13,865,950	54,062
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	13,686,710	—	—	13,686,710	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	7,439,567	7,456,488	7,439,567	(16,921)
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	13,688,625	13,865,453	13,688,625	(176,828)
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	6,237,000	6,230,222	6,237,000	6,778
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	13,671,325	—	—	13,671,325	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	13,669,772	13,671,325	13,669,772	(1,553)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	1,863,887	—	—	1,863,887	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	1,863,612	1,862,189	1,863,612	1,423
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	2,566,015	—	—	2,566,015	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	2,565,683	2,557,710	2,565,683	7,973
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	1,480,723	—	—	1,480,723	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	1,788,674	—	—	1,788,674	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,134,357	—	—	3,134,357	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	1,194,644	—	—	1,194,644	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	2,853,078	—	—	2,853,078	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	1,194,559	1,191,133	1,194,559	3,426
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,133,836	3,141,690	3,133,836	(7,854)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	2,852,878	2,852,791	2,852,878	87
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	1,788,407	1,782,715	1,788,407	5,692
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,149,866	—	—	3,149,866	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,148,928	3,158,823	3,148,928	(9,895)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,150,580	—	—	3,150,580	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,150,177	3,159,074	3,150,177	(8,897)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,177,635	—	—	3,177,635	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,177,522	3,158,447	3,177,522	19,075
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,177,635	—	—	3,177,635	—

US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,177,522	3,173,033	3,177,522	4,489
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,167,638	—	—	3,167,638	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,167,533	3,176,531	3,167,533	(8,998)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,176,813	—	—	3,176,813	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,176,523	3,169,771	3,176,523	6,752
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,180,806	—	—	3,180,806	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,180,519	3,175,123	3,180,519	5,396
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,150,682	—	—	3,150,682	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,150,583	3,179,450	3,150,583	(28,867)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,146,982	—	—	3,146,982	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,146,587	3,156,717	3,146,587	(10,130)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,159,257	—	—	3,159,257	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,158,574	3,150,016	3,158,574	8,558
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,149,499	—	—	3,149,499	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,148,616	3,154,591	3,148,616	(5,975)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	1,275,921	1,292,267	1,275,921	(16,346)
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	2,186,241	—	—	2,186,241	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	2,123,051	—	—	2,123,051	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	1,153,849	—	—	1,153,849	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	2,123,379	—	—	2,123,379	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	1,617,938	—	—	1,617,938	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	7,567,172	—	—	7,567,172	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	1,617,938	—	—	1,617,938	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	—	7,567,969	7,585,791	7,567,969	(17,822)
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	10,823,164	—	—	10,823,164	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	—	10,823,719	10,803,775	10,823,719	19,944
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	—	10,837,512	10,823,164	10,837,512	14,348
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,728,555	—	—	1,728,555	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	4,561,559	—	—	4,561,559	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	6,054,056	—	—	6,054,056	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	1,728,422	1,728,555	1,728,422	(133)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	10,610,832	10,615,616	10,610,832	(4,784)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	9,930,922	—	—	9,930,922	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	6,483,500	—	—	6,483,500	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	16,406,297	16,414,422	16,406,297	(8,125)

U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	4,178,672	—	—	4,178,672	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	4,179,984	4,178,672	4,179,984	1,312
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	2,381,250	—	—	2,381,250	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	2,380,875	2,381,250	2,380,875	(375)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,322,311	—	—	1,322,311	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,401,408	—	—	1,401,408	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	1,322,986	1,322,311	1,322,986	675
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,393,529	—	—	1,393,529	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	1,394,138	1,401,408	1,394,138	(7,270)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	28,305,063	—	—	28,305,063	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	28,295,166	—	—	28,295,166	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	29,761,480	29,690,535	29,761,480	70,945
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	28,296,125	28,303,223	28,296,125	(7,098)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,398,544	—	—	1,398,544	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	1,398,391	1,398,544	1,398,391	(153)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	4,876,266	—	—	4,876,266	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	4,875,117	4,876,266	4,875,117	(1,149)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	4,669,891	—	—	4,669,891	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	4,670,441	4,669,891	4,670,441	550
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	6,185,953	—	—	6,185,953	—
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	6,190,182	—	—	6,190,182	—
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	—	6,190,313	6,190,182	6,190,313	131
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	—	6,177,234	6,185,953	6,177,234	(8,719)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	6,240,938	—	—	6,240,938	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,117,516	3,120,469	3,117,516	(2,953)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,117,516	3,120,469	3,117,516	(2,953)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	6,326,000	—	—	6,326,000	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,163,000	3,163,000	3,163,000	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,163,500	3,163,000	3,163,500	500
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	5,335,664	—	—	5,335,664	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	5,335,031	5,335,664	5,335,031	(633)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	3,945,313	—	—	3,945,313	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,381,242	—	—	1,381,242	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,942,500	3,945,313	3,942,500	(2,813)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,381,516	1,381,242	1,381,516	274

U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,365,602	—	—	1,365,602	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,359,224	—	—	1,359,224	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,359,313	1,365,602	1,359,313	(6,289)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,363,068	—	—	1,363,068	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,363,250	1,359,224	1,363,250	4,026
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,362,959	—	—	1,362,959	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,363,688	1,363,068	1,363,688	620
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,365,839	—	—	1,365,839	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,365,875	1,362,959	1,365,875	2,916
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,361,900	—	—	1,361,900	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,361,938	1,365,839	1,361,938	(3,901)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,357,083	—	—	1,357,083	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,357,125	1,361,900	1,357,125	(4,775)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,354,019	—	—	1,354,019	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,354,063	1,357,083	1,354,063	(3,020)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,352,271	—	—	1,352,271	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,352,313	1,354,019	1,352,313	(1,706)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,354,460	—	—	1,354,460	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,354,500	1,352,271	1,354,500	2,229
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,353,148	—	—	1,353,148	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,353,188	1,354,460	1,353,188	(1,272)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,353,784	—	—	1,353,784	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,354,063	1,353,148	1,354,063	915
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,335,909	—	—	1,335,909	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	2,831,931	—	—	2,831,931	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,336,125	1,353,784	1,336,125	(17,659)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,163,459	—	—	4,163,459	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,163,738	4,167,840	4,163,738	(4,102)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,209,997	—	—	4,209,997	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,210,275	4,163,459	4,210,275	46,816
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,181,277	—	—	4,181,277	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,181,531	4,209,997	4,181,531	(28,466)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,148,436	—	—	4,148,436	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,148,681	4,181,277	4,148,681	(32,596)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,159,800	—	—	4,159,800	—

U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,161,000	4,148,436	4,161,000	12,564
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,137,407	—	—	4,137,407	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,137,731	4,159,800	4,137,731	(22,069)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,156,703	—	—	4,156,703	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,156,894	4,137,407	4,156,894	19,487
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,158,104	—	—	4,158,104	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,158,263	4,156,703	4,158,263	1,560
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,123,918	—	—	4,123,918	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,124,044	4,141,011	4,124,044	(16,967)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,139,982	—	—	4,139,982	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,140,469	4,141,011	4,140,469	(542)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,129,397	—	—	4,129,397	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,129,519	4,139,982	4,129,519	(10,463)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,136,229	—	—	4,136,229	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,136,363	4,132,813	4,136,363	3,550
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,121,168	—	—	4,121,168	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,121,306	4,132,813	4,121,306	(11,507)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,135,962	—	—	4,135,962	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,136,363	4,121,168	4,136,363	15,195
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,149,929	—	—	4,149,929	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,150,050	4,135,962	4,150,050	14,088
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,141,722	—	—	4,141,722	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,141,838	4,149,929	4,141,838	(8,091)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,137,621	—	—	4,137,621	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,137,731	4,141,722	4,137,731	(3,991)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,143,891	4,137,621	4,143,891	6,270
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	1,673,633	—	—	1,673,633	—
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	1,673,700	1,677,895	1,673,700	(4,195)
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	1,669,711	—	—	1,669,711	—
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	1,670,025	1,673,633	1,670,025	(3,608)
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	1,667,400	1,669,711	1,667,400	(2,311)
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	1,668,975	—	—	1,668,975	—
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	1,668,946	1,668,975	1,668,946	(29)
U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	1,194,333	—	—	1,194,333	—
U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	—	1,194,375	1,193,680	1,194,375	695

U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	—	1,193,859	1,194,333	1,193,859	(474)
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	1,789,875	—	—	1,789,875	—
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	—	1,785,375	1,788,680	1,785,375	(3,305)
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	—	1,789,835	1,789,875	1,789,835	(40)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,353,766	—	—	5,353,766	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,351,684	—	—	5,351,684	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,352,750	5,353,766	5,352,750	(1,016)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	4,638,129	—	—	4,638,129	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	4,639,219	4,631,265	4,639,219	7,954
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,345,120	—	—	5,345,120	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,349,500	5,358,548	5,349,500	(9,048)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,299,916	—	—	5,299,916	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,300,750	5,345,120	5,300,750	(44,370)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,289,217	—	—	5,289,217	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,289,375	5,299,916	5,289,375	(10,541)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,275,201	—	—	5,275,201	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,276,375	5,289,217	5,276,375	(12,842)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,260,614	—	—	5,260,614	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,261,750	5,275,201	5,261,750	(13,451)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,234,741	—	—	5,234,741	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,237,375	5,260,614	5,237,375	(23,239)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	2,299,452	—	—	2,299,452	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	2,300,000	2,315,366	2,300,000	(15,366)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	2,899,022	—	—	2,899,022	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	2,900,000	2,910,500	2,900,000	(10,500)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	2,302,329	—	—	2,302,329	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	2,906,860	—	—	2,906,860	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	2,302,875	2,303,250	2,302,875	(375)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	2,907,250	2,903,584	2,907,250	3,666
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,220,010	—	—	5,220,010	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,224,375	5,209,703	5,224,375	14,672
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,229,132	—	—	5,229,132	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,229,250	5,220,010	5,229,250	9,240
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,230,106	—	—	5,230,106	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,230,875	5,229,132	5,230,875	1,743

U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,222,151	—	—	5,222,151	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,226,000	5,230,106	5,226,000	(4,106)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	3,704,047	3,715,762	3,704,047	(11,715)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	3,698,844	—	—	3,698,844	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	3,697,688	—	—	3,697,688	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	3,696,724	3,700,014	3,696,724	(3,290)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	3,697,582	3,702,901	3,697,582	(5,319)
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	1,380,065	—	—	1,380,065	—
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	—	1,380,313	1,378,117	1,380,313	2,196
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	1,374,354	—	—	1,374,354	—
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	—	1,374,625	1,378,117	1,374,625	(3,492)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	2,930,641	—	—	2,930,641	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	2,930,641	—	—	2,930,641	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	2,930,641	—	—	2,930,641	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	2,930,641	—	—	2,930,641	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	5,862,734	—	—	5,862,734	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	5,863,125	5,861,281	5,863,125	1,844
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	11,725,429	—	—	11,725,429	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	5,062,547	—	—	5,062,547	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	11,726,250	11,724,015	11,726,250	2,235
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	3,668,203	—	—	3,668,203	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	5,059,914	—	—	5,059,914	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	5,060,156	5,066,194	5,060,156	(6,038)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	3,666,383	—	—	3,666,383	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	3,666,469	3,673,040	3,666,469	(6,571)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	20,464,392	—	—	20,464,392	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	20,464,813	20,443,242	20,464,813	21,571
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	19,563,388	—	—	19,563,388	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	19,564,563	19,570,316	19,564,563	(5,753)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	20,035,450	—	—	20,035,450	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	20,035,875	20,060,231	20,035,875	(24,356)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	20,419,356	—	—	20,419,356	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	10,798,238	10,804,417	10,798,238	(6,179)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	20,419,750	20,432,683	20,419,750	(12,933)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	9,599,770	—	—	9,599,770	—

U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	9,596,619	—	—	9,596,619	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	9,599,969	9,614,940	9,599,969	(14,971)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	9,599,969	9,599,770	9,599,969	199
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	9,585,949	9,596,619	9,585,949	(10,670)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	9,584,813	—	—	9,584,813	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	9,581,576	9,584,813	9,581,576	(3,237)
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	1,820,734	—	—	1,820,734	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	1,814,973	—	—	1,814,973	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	1,815,094	1,820,734	1,815,094	(5,640)
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	1,822,168	—	—	1,822,168	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	1,822,219	1,814,973	1,822,219	7,246
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	1,725,639	—	—	1,725,639	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	1,725,750	1,726,264	1,725,750	(514)
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	4,815,625	—	—	4,815,625	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	6,642,831	—	—	6,642,831	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	6,643,406	6,638,111	6,643,406	5,295
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	6,674,402	6,642,831	6,674,402	31,571
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	6,673,594	—	—	6,673,594	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	6,673,376	6,673,594	6,673,376	(218)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,539,020	—	—	5,539,020	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,535,752	—	—	5,535,752	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,536,125	5,539,020	5,536,125	(2,895)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,542,823	—	—	5,542,823	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,543,250	5,535,752	5,543,250	7,498
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,532,539	—	—	5,532,539	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,532,563	5,542,823	5,532,563	(10,260)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,489,679	—	—	5,489,679	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,489,813	5,532,539	5,489,813	(42,726)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,477,326	—	—	5,477,326	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,477,344	5,489,679	5,477,344	(12,335)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,468,244	—	—	5,468,244	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,468,438	5,477,326	5,468,438	(8,888)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,455,815	—	—	5,455,815	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,455,969	5,468,244	5,455,969	(12,275)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,435,852	—	—	5,435,852	—

U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,436,375	5,455,815	5,436,375	(19,440)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,405,906	—	—	5,405,906	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,406,094	5,435,852	5,406,094	(29,758)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,413,033	—	—	5,413,033	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,413,219	5,405,906	5,413,219	7,313
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,427,950	—	—	5,427,950	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,427,469	5,413,033	5,427,469	14,436
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,434,628	—	—	5,434,628	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,434,594	5,427,950	5,434,594	6,644
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,434,734	—	—	5,434,734	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,434,594	5,434,681	5,434,594	(87)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,330,681	—	—	5,330,681	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,330,500	5,339,336	5,330,500	(8,836)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	4,664,188	4,664,479	4,664,188	(291)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	4,564,500	—	—	4,564,500	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	4,564,516	4,565,184	4,564,516	(668)
U S TREASURY NOTE 2.000% 11/15/2026 DD 11/15/16	—	1,289,895	1,277,346	1,289,895	12,549
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,678,431	—	—	2,678,431	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,678,906	2,685,764	2,678,906	(6,858)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,671,522	—	—	2,671,522	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,672,156	2,685,764	2,672,156	(13,608)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,684,228	—	—	2,684,228	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,684,813	2,677,582	2,684,813	7,231
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,003,548	—	—	2,003,548	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,004,375	1,986,222	2,004,375	18,153
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,699,451	—	—	2,699,451	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,700,000	2,691,353	2,700,000	8,647
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,691,012	—	—	2,691,012	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,691,563	2,696,005	2,691,563	(4,442)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,001,476	—	—	2,001,476	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,005,000	1,994,916	2,005,000	10,084
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,696,054	—	—	2,696,054	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,700,844	2,696,905	2,700,844	3,939
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	4,771,602	4,693,761	4,771,602	77,841
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,740,500	—	—	2,740,500	—

U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,030,000	—	—	2,030,000	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,031,250	—	—	2,031,250	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,029,417	2,031,250	2,029,417	(1,833)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,737,712	2,740,500	2,737,712	(2,788)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,029,934	2,030,000	2,029,934	(66)
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,320,580	—	—	2,320,580	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,320,413	2,326,074	2,320,413	(5,661)
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,320,923	—	—	2,320,923	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,320,667	2,320,580	2,320,667	87
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,327,501	—	—	2,327,501	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,327,148	2,324,004	2,327,148	3,144
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,334,362	—	—	2,334,362	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,334,338	2,329,460	2,334,338	4,878
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,333,784	—	—	2,333,784	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,333,678	2,331,495	2,333,678	2,183
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,334,993	—	—	2,334,993	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,334,871	2,333,302	2,334,871	1,569
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,341,792	—	—	2,341,792	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,341,787	2,337,686	2,341,787	4,101
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,337,297	—	—	2,337,297	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,337,282	2,337,689	2,337,282	(407)
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,337,597	—	—	2,337,597	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,337,561	2,337,713	2,337,561	(152)
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,343,210	—	—	2,343,210	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,343,160	2,340,670	2,343,160	2,490
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,345,904	—	—	2,345,904	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,345,537	2,343,508	2,345,537	2,029
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,351,986	—	—	2,351,986	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,351,852	2,349,312	2,351,852	2,540
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,352,535	—	—	2,352,535	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,349,615	2,349,265	2,349,615	350
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,352,596	2,349,195	2,352,596	3,401
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,807,930	—	—	5,807,930	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,808,156	—	—	5,808,156	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	4,406,531	—	—	4,406,531	—

U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	11,864,446	—	—	11,864,446	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	11,866,375	11,816,680	11,866,375	49,695
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	4,215,349	—	—	4,215,349	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	4,215,750	4,218,475	4,215,750	(2,725)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	16,102,047	—	—	16,102,047	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	16,120,000	16,067,256	16,120,000	52,744
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,512,988	2,515,945	2,512,988	(2,957)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,516,406	—	—	2,516,406	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,513,221	2,516,017	2,513,221	(2,796)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,853,906	5,937,800	5,853,906	(83,894)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,846,531	—	—	5,846,531	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,840,900	5,897,912	5,840,900	(57,012)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,881,668	1,899,328	1,881,668	(17,660)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,876,250	—	—	1,876,250	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,875,475	1,893,558	1,875,475	(18,083)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	4,951,357	—	—	4,951,357	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	4,951,563	4,983,048	4,951,563	(31,485)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,648,422	—	—	5,648,422	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,650,125	5,648,984	5,650,125	1,141
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,613,685	—	—	5,613,685	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,614,500	5,648,422	5,614,500	(33,922)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,626,146	—	—	5,626,146	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,626,969	5,613,685	5,626,969	13,284
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,600,339	—	—	5,600,339	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,605,594	5,626,146	5,605,594	(20,552)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,621,506	—	—	5,621,506	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,621,625	5,600,339	5,621,625	21,286
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,963,438	1,972,458	1,963,438	(9,020)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,966,875	—	—	1,966,875	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,966,821	1,970,499	1,966,821	(3,678)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,968,125	—	—	1,968,125	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,970,000	—	—	1,970,000	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,968,387	1,969,783	1,968,387	(1,396)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,968,085	1,969,666	1,968,085	(1,581)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	3,546,472	—	—	3,546,472	—

	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	3,547,375	3,644,099	3,547,375	(96,724)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	3,535,423	—	—	3,535,423	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	3,535,813	3,546,472	3,535,813	(10,659)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,014,831	—	—	2,014,831	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,015,344	2,006,591	2,015,344	8,753
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,529,813	1,532,395	1,529,813	(2,582)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,154,236	—	—	1,154,236	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,154,250	1,151,474	1,154,250	2,776
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,016,622	—	—	2,016,622	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,016,656	2,015,080	2,016,656	1,576
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,015,896	—	—	2,015,896	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,016,000	2,016,259	2,016,000	(259)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,008,745	—	—	2,008,745	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,008,781	2,016,259	2,008,781	(7,478)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,999,417	—	—	1,999,417	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,999,594	2,008,745	1,999,594	(9,151)
	U S TREASURY BD CPN STRIP 0.000% 02/15/2035 DD 02/15/06	3,923,199	—	—	3,923,199	—
	U S TREASURY BD CPN STRIP 0.000% 05/15/2034 DD 08/15/07	—	1,866,121	2,007,699	1,866,121	(141,578)
	U S TREASURY BD CPN STRIP 0.000% 05/15/2034 DD 08/15/07	3,077,136	—	—	3,077,136	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2034 DD 08/15/07	3,768,000	—	—	3,768,000	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	4,371,446	—	—	4,371,446	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	4,371,094	4,153,536	4,371,094	217,558
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	3,985,371	—	—	3,985,371	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	3,984,375	3,820,753	3,984,375	163,622
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	1,298,967	—	—	1,298,967	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	1,298,688	1,250,414	1,298,688	48,274
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	3,017,475	—	—	3,017,475	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	3,016,969	2,907,859	3,016,969	109,110
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	6,246,447	—	—	6,246,447	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	6,242,781	6,144,243	6,242,781	98,538
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	3,670,522	—	—	3,670,522	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	3,669,188	3,817,818	3,669,188	(148,630)
*	BNY MELLON CASH RESERVE 0.010% 12/31/2049 DD 06/26/97	14,613,212	—	—	14,613,212	—
*	BNY MELLON CASH RESERVE 0.010% 12/31/2049 DD 06/26/97	—	14,613,212	14,613,212	14,613,212	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	13,679,604	—	—	13,679,604	—

*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	—	13,679,604	13,679,604	13,679,604	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	172,270,756	—	—	172,270,756	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	—	172,270,756	172,270,756	172,270,756	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,469,430	—	—	2,469,430	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,795,766	12,795,766	12,795,766	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,152,080	1,152,080	1,152,080	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,366,229	1,366,229	1,366,229	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,848,059	—	—	2,848,059	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,254,907	1,254,907	1,254,907	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,527,960	2,527,960	2,527,960	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,516,287	—	—	2,516,287	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,733,417	1,733,417	1,733,417	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,437,953	—	—	1,437,953	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,343,049	1,343,049	1,343,049	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,948,312	1,948,312	1,948,312	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,778,662	—	—	2,778,662	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,599,416	3,599,416	3,599,416	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,352,381	—	—	2,352,381	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,546,920	2,546,920	2,546,920	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,419,719	12,419,719	12,419,719	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	14,598,907	—	—	14,598,907	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,931,002	—	—	2,931,002	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,931,002	2,931,002	2,931,002	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,547,708	—	—	3,547,708	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,547,708	3,547,708	3,547,708	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,633,590	—	—	3,633,590	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,147,437	1,147,437	1,147,437	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,707,985	—	—	2,707,985	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,650,672	—	—	1,650,672	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,344,807	2,344,807	2,344,807	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,979,475	—	—	1,979,475	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,456,109	2,456,109	2,456,109	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,348,351	—	—	1,348,351	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,031,308	—	—	2,031,308	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	16,286,914	16,286,914	16,286,914	—

*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	4,552,828	4,552,828	4,552,828	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	4,271,624	—	—	4,271,624	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,535,862	2,535,862	2,535,862	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,852,290	—	—	1,852,290	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,511,630	1,511,630	1,511,630	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,530,515	—	—	1,530,515	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,778,749	1,778,749	1,778,749	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,722,697	—	—	1,722,697	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,611,725	—	—	1,611,725	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,837,691	3,837,691	3,837,691	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	11,761,576	—	—	11,761,576	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	12,022,484	—	—	12,022,484	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	11,942,570	11,942,570	11,942,570	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,421,148	12,421,148	12,421,148	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,153,177	3,153,177	3,153,177	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,839,427	—	—	3,839,427	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,598,046	1,598,046	1,598,046	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,475,873	1,475,873	1,475,873	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,378,569	1,378,569	1,378,569	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,282,615	—	—	1,282,615	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	12,000,000	—	—	12,000,000	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,352,434	—	—	1,352,434	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	25,730,300	—	—	25,730,300	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,000,000	12,000,000	12,000,000	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,188,056	2,188,056	2,188,056	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,525,692	12,525,692	12,525,692	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,334,383	—	—	2,334,383	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	5,543,582	5,543,582	5,543,582	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,609,456	—	—	3,609,456	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,609,456	3,609,456	3,609,456	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,273,036	—	—	1,273,036	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,930,594	—	—	2,930,594	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,930,594	2,930,594	2,930,594	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,168,742	—	—	3,168,742	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,571,930	2,571,930	2,571,930	—

*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,197,281	—	—	2,197,281	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,682,669	—	—	1,682,669	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,606,656	12,606,656	12,606,656	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,412,951	2,412,951	2,412,951	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,018,718	2,018,718	2,018,718	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,537,137	—	—	1,537,137	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,310,366	1,310,366	1,310,366	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,895,142	—	—	2,895,142	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,683,459	1,683,459	1,683,459	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,679,444	1,679,444	1,679,444	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	7,108,937	—	—	7,108,937	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,388,995	1,388,995	1,388,995	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,267,231	—	—	3,267,231	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	16,204,798	—	—	16,204,798	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,703,520	2,703,520	2,703,520	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	8,250,193	8,250,193	8,250,193	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,862,560	1,862,560	1,862,560	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,449,522	—	—	1,449,522	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	13,217,682	13,217,682	13,217,682	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,697,123	2,697,123	2,697,123	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,855,400	—	—	2,855,400	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,548,183	2,548,183	2,548,183	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,081,371	—	—	3,081,371	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,611,122	2,611,122	2,611,122	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,868,384	—	—	1,868,384	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,375,023	—	—	1,375,023	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,928,765	2,928,765	2,928,765	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,253,923	1,253,923	1,253,923	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	14,709,538	—	—	14,709,538	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,769,939	—	—	2,769,939	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	39,239,683	—	—	39,239,683	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,555,244	3,555,244	3,555,244	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	14,183,467	14,183,467	14,183,467	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	14,303,702	14,303,702	14,303,702	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,474,088	—	—	3,474,088	—

*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,500,979	2,500,979	2,500,979	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,419,084	2,419,084	2,419,084	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,578,173	—	—	1,578,173	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,020,770	2,020,770	2,020,770	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,380,406	—	—	3,380,406	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,749,487	3,749,487	3,749,487	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,685,720	—	—	3,685,720	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,536,834	1,536,834	1,536,834	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,237,018	1,237,018	1,237,018	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	13,169,823	13,169,823	13,169,823	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,191,987	1,191,987	1,191,987	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,179,312	1,179,312	1,179,312	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,285,930	—	—	1,285,930	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,706,300	1,706,300	1,706,300	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,494,815	1,494,815	1,494,815	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,198,047	1,198,047	1,198,047	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,650,428	—	—	3,650,428	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,726,143	1,726,143	1,726,143	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,416,645	—	—	1,416,645	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,289,331	2,289,331	2,289,331	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,073,989	—	—	2,073,989	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,527,771	—	—	1,527,771	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	4,002,767	—	—	4,002,767	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	13,538,017	13,538,017	13,538,017	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,586,082	1,586,082	1,586,082	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,105,858	—	—	1,105,858	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,204,455	2,204,455	2,204,455	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,199,148	—	—	2,199,148	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,659,219	2,659,219	2,659,219	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,477,487	—	—	1,477,487	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	9,164,811	—	—	9,164,811	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,153,663	—	—	3,153,663	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	14,000,000	—	—	14,000,000	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	10,106,069	10,106,069	10,106,069	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,313,302	3,313,302	3,313,302	—

*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,871,787	2,871,787	2,871,787	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,805,174	—	—	2,805,174	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,192,599	2,192,599	2,192,599	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,325,963	3,325,963	3,325,963	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	13,359,874	13,359,874	13,359,874	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,257,608	—	—	2,257,608	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,137,055	1,137,055	1,137,055	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,656,533	—	—	1,656,533	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,473,176	2,473,176	2,473,176	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,845,845	1,845,845	1,845,845	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,147,430	—	—	3,147,430	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,402,254	—	—	1,402,254	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,736,972	2,736,972	2,736,972	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	5,000,000	—	—	5,000,000	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	11,995,811	—	—	11,995,811	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,676,510	—	—	1,676,510	—
	BLACKROCK LONG TERM CREDIT BD INDX FD	22,000,000	—	—	22,000,000	—
	DOM MFA CASH COLL CS NY VAR RT 01/01/2049 DD 07/01/08	—	1,410,000	1,410,000	1,410,000	—
	IRS P USD 30Y 625BPS R 2.5125% PUT SEP 19 251.250 ED 092719	—	1,275,857	537,500	1,275,857	738,357
	IRS P USD 5Y 125BPS R 2.25% PUT SEP 19 225.000 ED 092719	—	1,892,722	537,500	1,892,722	1,355,222
	FRANKLIN TEMPLETON GLOBAL MULTISECTOR PLUS TRUST	16,000,000	—	—	16,000,000	—
	FRANKLIN TEMPLETON GLOBAL MULTISECTOR PLUS TRUST	—	4,000,000	3,639,547	4,000,000	360,453
	JPMCB EMERGING MARKETS EQUITY FOCUSED FUND	—	12,000,000	7,616,675	12,000,000	4,383,325
	JPMCB EMERGING MARKETS EQUITY FOCUSED FUND	—	5,000,000	3,045,855	5,000,000	1,954,145
	ENTRUST	—	15,879,690	14,500,000	15,879,690	1,379,690
	ENTRUST	—	13,688,452	12,542,307	13,688,452	1,146,145
	HEXAVEST WORLD EQUITY FUND	6,000,000	—	—	6,000,000	—
	ENTRUST CLASS X SERIES	1,275,326	—	—	1,275,326	—
	ENTRUST CLASS X SERIES	1,279,295	—	—	1,279,295	—
	ITALY BUONI ORDINARI DEL TESOR 0.000% 04/30/2018	2,102,771	—	—	2,102,771	—
	AXIS CAPITAL HOLDINGS LTD	1,368,918	—	—	1,368,918	—
	PERU GOVERNMENT BOND 144A 6.150% 08/12/2032	1,708,128	—	—	1,708,128	—
	PERU GOVERNMENT BOND 144A 6.150% 08/12/2032	—	1,739,805	1,708,128	1,739,805	31,677
	HSBC BANK CANADA B/A 05/03/2018	1,635,894	—	—	1,635,894	—
*	VANGUARD TOTAL INTERNATIONAL STOCK INDEX INST	—	28,750,801	21,739,330	28,750,801	7,011,471

*	VANGUARD EXTENDED DURATION TRSY INDEX FUND INST		—	14,875,553	14,355,731	14,875,553	519,822
*	VANGUARD LONG TERM BOND INDEX FUND INST		—	42,240,140	41,127,125	42,240,140	1,113,015
*	VANGUARD LONG-TERM INV-GRADE FUND ADMIRAL		—	43,280,215	42,475,891	43,280,215	804,324
*	VANGUARD TOTAL STOCK MARKET INDEX FUND INST		—	43,124,065	21,814,751	43,124,065	21,309,314

Category (iii) - Series of individual transaction in excess of five percent of beginning plan net assets:

ACTIVISION BLIZZARD INC	$ 2,322,181	$ —	$ —	$ 2,322,181	$ —
ACTIVISION BLIZZARD INC	—	187,276	183,158	187,276	4,118
ADOBE INC	—	1,136,740	534,616	1,136,740	602,123
ALEXION PHARMACEUTICALS INC	—	1,726,195	1,445,106	1,726,195	281,089
ALIBABA GROUP HOLDING LTD	1,343,305	—	—	1,343,305	—
ALIBABA GROUP HOLDING LTD	—	907,145	484,356	907,145	422,789
ALIGN TECHNOLOGY INC	—	202,365	203,526	202,365	(1,160)
ALIGN TECHNOLOGY INC	3,390,340	—	—	3,390,340	—
COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2049 DD 02/01/19	—	8,231,867	8,261,172	8,231,867	(29,305)
COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2049 DD 02/01/19	8,261,172	—	—	8,261,172	—
COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2049 DD 03/01/19	—	8,207,578	8,218,438	8,207,578	(10,859)
COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2049 DD 03/01/19	8,218,438	—	—	8,218,438	—
COMMIT TO PUR FNMA SF MTG 2.500% 04/01/2049 DD 04/01/19	4,481,656	—	—	4,481,656	—
COMMIT TO PUR FNMA SF MTG 2.500% 04/01/2049 DD 04/01/19	—	4,503,172	4,481,656	4,503,172	21,516
COMMIT TO PUR FNMA SF MTG 2.500% 05/01/2049 DD 05/01/19	—	4,094,578	4,123,625	4,094,578	(29,047)
COMMIT TO PUR FNMA SF MTG 2.500% 05/01/2049 DD 05/01/19	4,123,625	—	—	4,123,625	—
COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2049 DD 06/01/19	5,494,898	—	—	5,494,898	—
COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2049 DD 06/01/19	—	2,810,977	2,794,016	2,810,977	16,960
COMMIT TO PUR FNMA SF MTG 3.000% 01/01/2049 DD 01/01/19	—	1,891,836	1,901,188	1,891,836	(9,352)
COMMIT TO PUR FNMA SF MTG 3.000% 01/01/2049 DD 01/01/19	1,901,188	—	—	1,901,188	—
COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2049 DD 02/01/19	22,615,910	—	—	22,615,910	—
COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2049 DD 02/01/19	—	22,683,969	22,615,910	22,683,969	68,059
COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2049 DD 01/01/19	24,866,469	—	—	24,866,469	—
COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2049 DD 01/01/19	—	25,059,922	24,866,469	25,059,922	193,453
COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2049 DD 01/01/19	24,030,684	—	—	24,030,684	—
COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2049 DD 01/01/19	—	23,911,125	23,911,125	23,911,125	—
COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2049 DD 05/01/19	28,976,129	—	—	28,976,129	—
COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2049 DD 05/01/19	—	29,109,273	28,976,129	29,109,273	133,145
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2049 DD 06/01/19	14,549,063	—	—	14,549,063	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2049 DD 06/01/19	14,203,875	—	—	14,203,875	—

COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2049 DD 06/01/19	—	11,647,500	11,639,531	11,647,500	7,969
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2049 DD 06/01/19	—	14,156,984	14,156,984	14,156,984	—
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2048 DD 07/01/18	—	6,789,713	6,791,324	6,789,713	(1,611)
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2048 DD 07/01/18	1,907,719	—	—	1,907,719	—
COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2048 DD 08/01/18	—	3,815,586	3,817,961	3,815,586	(2,375)
COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2048 DD 08/01/18	1,906,086	—	—	1,906,086	—
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2048 DD 09/01/18	—	3,824,270	3,825,086	3,824,270	(816)
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2048 DD 09/01/18	3,825,086	—	—	3,825,086	—
COMMIT TO PUR FNMA SF MTG 3.000% 10/01/2048 DD 10/01/18	1,903,043	—	—	1,903,043	—
COMMIT TO PUR FNMA SF MTG 3.000% 10/01/2048 DD 10/01/18	—	1,910,316	1,903,043	1,910,316	7,273
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2048 DD 11/01/18	—	3,805,492	3,809,277	3,805,492	(3,785)
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2048 DD 11/01/18	3,809,277	—	—	3,809,277	—
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2048 DD 12/01/18	3,800,891	—	—	3,800,891	—
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2048 DD 12/01/18	—	3,803,934	3,800,891	3,803,934	3,043
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2034 DD 02/01/19	—	7,486,004	7,488,266	7,486,004	(2,262)
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2034 DD 02/01/19	7,488,266	—	—	7,488,266	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2034 DD 03/01/19	—	7,436,422	7,467,508	7,436,422	(31,086)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2034 DD 03/01/19	7,467,508	—	—	7,467,508	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2034 DD 04/01/19	—	7,428,465	7,435,188	7,428,465	(6,723)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2034 DD 04/01/19	7,435,188	—	—	7,435,188	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2034 DD 05/01/19	—	9,321,559	9,322,688	9,321,559	(1,129)
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2034 DD 05/01/19	9,322,688	—	—	9,322,688	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2034 DD 06/01/19	4,663,250	—	—	4,663,250	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2049 DD 02/01/19	—	24,752,379	24,840,203	24,752,379	(87,824)
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2049 DD 02/01/19	24,840,203	—	—	24,840,203	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2049 DD 01/01/19	—	20,998,504	21,056,391	20,998,504	(57,887)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2049 DD 01/01/19	21,056,391	—	—	21,056,391	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2049 DD 01/01/19	—	12,661,785	12,686,453	12,661,785	(24,668)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2049 DD 01/01/19	12,686,453	—	—	12,686,453	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2049 DD 05/01/19	11,437,523	—	—	11,437,523	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2049 DD 05/01/19	—	11,467,375	11,437,523	11,467,375	29,852
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2049 DD 06/01/19	13,349,014	—	—	13,349,014	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2049 DD 06/01/19	—	13,254,676	13,349,014	13,254,676	(94,338)
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2049 DD 06/01/19	—	1,497,070	1,497,070	1,497,070	—
COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	23,463,215	—	—	23,463,215	—

COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2049 DD 02/01/19	—	29,245,539	29,269,688	29,245,539	(24,148)
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2049 DD 02/01/19	29,269,688	—	—	29,269,688	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2049 DD 01/01/19	—	23,765,391	23,967,977	23,765,391	(202,586)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2049 DD 01/01/19	23,967,977	—	—	23,967,977	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2049 DD 01/01/19	—	17,797,070	17,815,758	17,797,070	(18,687)
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2049 DD 01/01/19	17,815,758	—	—	17,815,758	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2049 DD 05/01/19	15,515,758	—	—	15,515,758	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2049 DD 05/01/19	—	15,570,305	15,515,758	15,570,305	54,547
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2049 DD 06/01/19	15,548,137	—	—	15,548,137	—
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2049 DD 06/01/19	—	5,106,934	5,114,519	5,106,934	(7,585)
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	8,163,047	—	—	8,163,047	—
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	—	3,061,172	3,063,047	3,061,172	(1,875)
COMMIT TO PUR FNMA SF MTG 4.000% 08/01/2048 DD 08/01/18	3,056,719	—	—	3,056,719	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2049 DD 02/01/19	6,104,500	—	—	6,104,500	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2049 DD 02/01/19	—	6,127,723	6,127,723	6,127,723	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2049 DD 01/01/19	24,205,543	—	—	24,205,543	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2049 DD 01/01/19	—	24,251,023	24,205,543	24,251,023	45,480
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2049 DD 01/01/19	9,927,320	—	—	9,927,320	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2049 DD 01/01/19	—	9,934,539	9,927,320	9,934,539	7,219
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2049 DD 05/01/19	12,277,234	—	—	12,277,234	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2049 DD 05/01/19	—	12,292,578	12,277,234	12,292,578	15,344
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2049 DD 06/01/19	11,568,754	—	—	11,568,754	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2049 DD 06/01/19	—	11,557,719	11,568,754	11,557,719	(11,035)
COMMIT TO PUR FNMA SF MTG 4.500% 07/01/2048 DD 07/01/18	—	5,204,688	5,204,688	5,204,688	—
COMMIT TO PUR FNMA SF MTG 5.000% 02/01/2049 DD 02/01/19	3,964,008	—	—	3,964,008	—
COMMIT TO PUR FNMA SF MTG 5.000% 02/01/2049 DD 02/01/19	—	3,964,445	3,964,008	3,964,445	437
COMMIT TO PUR FNMA SF MTG 5.000% 03/01/2049 DD 03/01/19	—	4,477,344	4,477,539	4,477,344	(195)
COMMIT TO PUR FNMA SF MTG 5.000% 03/01/2049 DD 03/01/19	4,477,539	—	—	4,477,539	—
COMMIT TO PUR FNMA SF MTG 5.000% 04/01/2049 DD 04/01/19	5,969,914	—	—	5,969,914	—
COMMIT TO PUR FNMA SF MTG 5.000% 04/01/2049 DD 04/01/19	—	5,970,758	5,969,289	5,970,758	1,469
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2049 DD 05/01/19	5,947,813	—	—	5,947,813	—
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2049 DD 05/01/19	—	5,951,813	5,947,813	5,951,813	4,000
COMMIT TO PUR FNMA SF MTG 5.000% 06/01/2049 DD 06/01/19	2,545,109	—	—	2,545,109	—
COMMIT TO PUR FNMA SF MTG 5.000% 06/01/2049 DD 06/01/19	—	2,539,336	2,545,109	2,539,336	(5,773)
ALPHABET INC-CL C	—	1,513,817	802,169	1,513,817	711,648

AMAZON.COM INC	1,099,686	—	—	1,099,686	—
AMAZON.COM INC	—	852,403	391,529	852,403	460,874
AMAZON.COM INC 144A 4.250% 08/22/2057 DD 08/22/17	1,190,184	—	—	1,190,184	—
AMERICAN INTERNATIONAL GROUP I	1,418,273	—	—	1,418,273	—
AMGEN INC	2,355,646	—	—	2,355,646	—
APPLE INC 2.900% 09/12/2027 DD 09/12/17	1,698,096	—	—	1,698,096	—
ATHENAHEALTH INC	—	1,508,922	1,230,119	1,508,922	278,803
AXA EQUITABLE HOLDINGS INC	1,155,040	—	—	1,155,040	—
BAIDU INC ADR	1,118,636	—	—	1,118,636	—
BAIDU INC ADR	—	2,885,886	1,775,451	2,885,886	1,110,435
BIOGEN INC	—	1,838,363	1,377,169	1,838,363	461,194
BRAZILIAN GOVERNMENT INTERNATI 5.625% 02/21/2047 DD 07/28/16	—	1,991,350	1,949,146	1,991,350	42,204
CIGNA CORP	—	2,146,429	1,321,101	2,146,429	825,328
CARDINAL HEALTH INC	1,223,398	—	—	1,223,398	—
CHIPOTLE MEXICAN GRILL INC	—	1,949,711	2,361,016	1,949,711	(411,305)
CHIPOTLE MEXICAN GRILL INC	834,878	—	—	834,878	—
CITIGROUP INC	879,820	—	—	879,820	—
CITIGROUP INC	—	590,633	396,129	590,633	194,504
CONSOLIDATED EDISON CO OF NEW 4.500% 05/15/2058 DD 05/10/18	1,592,624	—	—	1,592,624	—
CORP NACIONAL DEL COBRE D 144A 3.625% 08/01/2027 DD 08/01/17	687,659	—	—	687,659	—
CORP NACIONAL DEL COBRE D 144A 3.625% 08/01/2027 DD 08/01/17	—	703,300	687,659	703,300	15,641
COSTAR GROUP INC	1,048,807	—	—	1,048,807	—
COSTAR GROUP INC	—	226,982	155,625	226,982	71,357
DAE FUNDING LLC 144A 5.000% 08/01/2024 DD 08/04/17	700,000	—	—	700,000	—
DAE FUNDING LLC 144A 5.000% 08/01/2024 DD 08/04/17	—	714,875	700,000	714,875	14,875
DEXIA CREDIT LOCAL SA 144A 2.375% 09/20/2022 DD 09/20/17	—	1,362,750	1,396,402	1,362,750	(33,652)
DEXIA CREDIT LOCAL SA 144A 2.375% 09/20/2022 DD 09/20/17	1,396,402	—	—	1,396,402	—
EDISON INTERNATIONAL	3,024,224	—	—	3,024,224	—
EXXON MOBIL CORP	—	1,245,708	1,272,934	1,245,708	(27,225)
EXXON MOBIL CORP	590,737	—	—	590,737	—
FACEBOOK INC	—	2,567,387	1,109,702	2,567,387	1,457,685
FEDERAL HOME LN MTG CORP STRIP 0.000% 09/15/2029 DD 10/25/00	902,063	—	—	902,063	—
FEDERAL HOME LN MTG CORP STRIP 0.000% 09/15/2029 DD 10/25/00	—	901,875	705,900	901,875	195,975
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	3,799,147	—	—	3,799,147	—
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	—	3,798,375	3,594,990	3,798,375	203,385

FHLMC MULTICLASS MTG K071 A2 3.286% 11/25/2027 DD 12/01/17	—	1,422,695	1,441,915	1,422,695	(19,219)
FHLMC MULTICLASS MTG K071 A2 3.286% 11/25/2027 DD 12/01/17	1,441,915	—	—	1,441,915	—
FLOOR & DECOR HOLDINGS INC	117,418	—	—	117,418	—
FLOOR & DECOR HOLDINGS INC	1,160,296	—	—	1,160,296	—
FORD MOTOR CO	2,667,731	—	—	2,667,731	—
GMO STRAT OPPOR ALLOCATION-3	3,928,659	—	—	3,928,659	—
GENERAL ELECTRIC CO	640,474	—	—	640,474	—
GENERAL ELECTRIC CO	1,549,294	—	—	1,549,294	—
HALLIBURTON CO	2,497,478	—	—	2,497,478	—
HALLIBURTON CO	—	571,537	485,036	571,537	86,501
HEWLETT PACKARD ENTERPRISE CO	2,567,829	—	—	2,567,829	—
HEWLETT PACKARD ENTERPRISE CO	—	1,784,873	1,218,199	1,784,873	566,674
HILTON WORLDWIDE HOLDINGS INC	—	2,277,625	1,517,687	2,277,625	759,938
INCYTE CORP	—	1,962,731	3,209,713	1,962,731	(1,246,982)
INCYTE CORP	577,329	—	—	577,329	—
INDONESIA GOVERNMENT INTERNATI 4.350% 01/11/2048 DD 12/11/17	—	947,550	991,660	947,550	(44,110)
INDONESIA GOVERNMENT INTERNATI 4.350% 01/11/2048 DD 12/11/17	991,660	—	—	991,660	—
INTEL CORP	—	2,002,717	1,622,339	2,002,717	380,378
INTERPUBLIC GROUP OF COS INC/T	2,460,168	—	—	2,460,168	—
INTERPUBLIC GROUP OF COS INC/T	—	589,537	512,563	589,537	76,974
LOXO ONCOLOGY INC	1,016,696	—	—	1,016,696	—
LOXO ONCOLOGY INC	—	132,686	78,256	132,686	54,431
MERCK & CO INC	2,220,351	—	—	2,220,351	—
METLIFE INC	1,629,607	—	—	1,629,607	—
NEWELL BRANDS INC	2,319,992	—	—	2,319,992	—
OMNICOM GROUP INC	1,156,352	—	—	1,156,352	—
OMNICOM GROUP INC	—	1,220,017	1,115,182	1,220,017	104,834
PALO ALTO NETWORKS INC	883,940	—	—	883,940	—
PALO ALTO NETWORKS INC	—	347,067	267,629	347,067	79,438
PETROLEOS MEXICANOS 144A 6.500% 03/13/2027 DD 03/13/17	738,409	—	—	738,409	—
PETROLEOS MEXICANOS 144A 6.500% 03/13/2027 DD 03/13/17	—	766,500	738,409	766,500	28,091
PIMCO ALL ASSET FUND-INST	29,918,388	—	—	29,918,388	—
PIMCO ALL ASSET FUND-INST	—	16,000,000	15,996,691	16,000,000	3,309
PIMCO FDS SHORT TERM FLTG NAV PORT II	900,000	—	—	900,000	—
PIMCO FDS SHORT TERM FLTG NAV PORT II	—	82,100,000	82,100,383	82,100,000	(383)

	PIMCO FDS SHORT TERM FLTG NAV PORT II	88,511,721	—	—	88,511,721	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	39,788,240	—	—	39,788,240	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	28,100,000	28,045,599	28,100,000	54,401
	PRICELINE GROUP INC/THE	—	1,147,809	694,715	1,147,809	453,094
	PROCTER & GAMBLE CO/THE 2.850% 08/11/2027 DD 08/11/17	—	1,095,296	1,097,723	1,095,296	(2,427)
	PROCTER & GAMBLE CO/THE 2.850% 08/11/2027 DD 08/11/17	1,097,723	—	—	1,097,723	—
	REGIONS FINANCIAL CORP	—	2,154,059	1,651,774	2,154,059	502,285
	SALESFORCE.COM INC	—	1,934,153	763,301	1,934,153	1,170,852
	SAUDI GOVERNMENT INTERNAT 144A 3.625% 03/04/2028 DD 10/04/17	1,482,465	—	—	1,482,465	—
	SAUDI GOVERNMENT INTERNAT 144A 3.625% 03/04/2028 DD 10/04/17	—	1,489,500	1,482,465	1,489,500	7,035
	SAUDI GOVERNMENT INTERNAT 144A 4.625% 10/04/2047 DD 10/04/17	1,888,410	—	—	1,888,410	—
	SAUDI GOVERNMENT INTERNAT 144A 4.000% 04/17/2025 DD 04/17/18	1,882,387	—	—	1,882,387	—
	SERVICENOW INC	1,716,388	—	—	1,716,388	—
	SERVICENOW INC	—	644,858	375,286	644,858	269,572
	STAPLES INC	—	1,325,119	1,612,115	1,325,119	(286,996)
	U S TREASURY BD PRIN STRIP 0.000% 08/15/2042 DD 08/15/12	—	2,497,050	1,531,950	2,497,050	965,100
	U S TREASURY BD PRIN STRIP 0.000% 11/15/2042 DD 11/15/12	—	1,484,130	1,074,541	1,484,130	409,589
	U S TREASURY BD PRIN STRIP 0.000% 08/15/2043 DD 08/15/13	—	1,778,600	1,876,719	1,778,600	(98,119)
	U S TREASURY BD PRIN STRIP 0.000% 08/15/2043 DD 08/15/13	1,876,719	—	—	1,876,719	—
	US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	27,744,663	27,817,464	27,744,663	(72,802)
	US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	28,299,116	—	—	28,299,116	—
	U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	—	6,272,895	6,345,963	6,272,895	(73,069)
	U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	6,653,214	—	—	6,653,214	—
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,381,710	—	—	4,381,710	—
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	49,758,469	50,059,160	49,758,469	(300,691)
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	50,059,160	—	—	50,059,160	—
	US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	18,806,801	18,851,750	18,806,801	(44,949)
	US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	20,870,343	—	—	20,870,343	—
	U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	29,450,467	—	—	29,450,467	—
	U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	34,390,502	34,373,117	34,390,502	17,385
	U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,870,881	—	—	1,870,881	—
	U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	27,978,688	28,117,553	27,978,688	(138,865)
	U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	28,117,553	—	—	28,117,553	—
	U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	53,266,112	53,270,876	53,266,112	(4,764)
	U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	47,170,136	—	—	47,170,136	—

U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,204,207	—	—	4,204,207	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	64,641,484	64,679,921	64,641,484	(38,437)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	60,646,206	—	—	60,646,206	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	17,343,618	—	—	17,343,618	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	164,342,594	164,845,005	164,342,594	(502,411)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	166,512,607	—	—	166,512,607	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,418,148	—	—	4,418,148	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	39,593,116	39,623,716	39,593,116	(30,600)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	35,084,631	—	—	35,084,631	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	31,956,816	32,010,671	31,956,816	(53,855)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	36,069,521	—	—	36,069,521	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,587,696	—	—	8,587,696	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	81,177,219	81,293,121	81,177,219	(115,902)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	72,481,863	—	—	72,481,863	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	17,251,500	17,274,767	17,251,500	(23,267)
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	15,432,556	—	—	15,432,556	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,455,558	—	—	7,455,558	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	80,418,947	80,650,781	80,418,947	(231,834)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	71,347,614	—	—	71,347,614	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,479,006	—	—	2,479,006	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	31,156,776	—	—	31,156,776	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	34,484,415	34,522,845	34,484,415	(38,430)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	2,716,351	—	—	2,716,351	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	217,146	217,550	217,146	(404)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	51,113,132	—	—	51,113,132	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	57,396,435	57,662,853	57,396,435	(266,419)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	19,871,031	19,917,673	19,871,031	(46,642)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	17,591,777	—	—	17,591,777	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,887,209	—	—	8,887,209	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	109,532,229	—	—	109,532,229	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	118,579,331	118,811,727	118,579,331	(232,396)
US TREAS-CPI INFLAT 1.375% 02/15/2044 DD 02/15/14	853,749	—	—	853,749	—
US TREAS-CPI INFLAT 1.375% 02/15/2044 DD 02/15/14	—	1,485,887	1,466,310	1,485,887	19,577
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	4,984,272	5,044,106	4,984,272	(59,834)
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	5,044,106	—	—	5,044,106	—

U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	32,714,317	—	—	32,714,317	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	179,035,184	180,184,474	179,035,184	(1,149,289)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	180,285,140	—	—	180,285,140	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,551,245	—	—	1,551,245	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	42,238,750	42,375,654	42,238,750	(136,904)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	39,887,047	—	—	39,887,047	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,181,747	—	—	4,181,747	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	39,400,412	—	—	39,400,412	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	44,455,993	44,453,616	44,455,993	2,376
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	45,000,450	—	—	45,000,450	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	47,151,242	47,193,006	47,151,242	(41,764)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,566,499	—	—	2,566,499	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	21,156,384	—	—	21,156,384	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	21,024,000	21,156,384	21,024,000	(132,384)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	2,529,731	—	—	2,529,731	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	35,096,145	35,281,796	35,096,145	(185,652)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	35,281,796	—	—	35,281,796	—
U S TREASURY BOND 2.875% 11/15/2046 DD 11/15/16	5,719,433	—	—	5,719,433	—
U S TREASURY BOND 2.875% 11/15/2046 DD 11/15/16	—	5,726,406	5,719,433	5,726,406	6,973
U S TREASURY BOND 3.000% 02/15/2047 DD 02/15/17	3,535,908	—	—	3,535,908	—
U S TREASURY BOND 3.000% 02/15/2047 DD 02/15/17	—	4,183,085	4,188,874	4,183,085	(5,789)
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	7,439,000	—	—	7,439,000	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	—	6,316,479	6,328,985	6,316,479	(12,506)
U S TREASURY BOND 3.000% 05/15/2047 DD 05/15/17	—	5,603,402	5,596,050	5,603,402	7,351
U S TREASURY BOND 3.000% 05/15/2047 DD 05/15/17	5,596,050	—	—	5,596,050	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	350,979,631	—	—	350,979,631	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	350,686,675	350,979,631	350,686,675	(292,956)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	124,661,506	124,864,346	124,661,506	(202,841)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	124,864,346	—	—	124,864,346	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	54,900,914	55,035,375	54,900,914	(134,461)
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	55,035,375	—	—	55,035,375	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	58,722,451	58,781,413	58,722,451	(58,963)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	58,760,944	—	—	58,760,944	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	29,212,730	—	—	29,212,730	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	—	29,229,199	29,212,730	29,229,199	16,469

U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	106,980,691	—	—	106,980,691	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	107,025,088	106,980,691	107,025,088	44,397
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	—	12,367,547	12,376,135	12,367,547	(8,589)
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	12,376,135	—	—	12,376,135	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	114,175,700	114,231,461	114,175,700	(55,761)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	114,231,461	—	—	114,231,461	—
US TREAS-CPI INFLAT 0.500% 01/15/2028 DD 01/15/18	1,770,702	—	—	1,770,702	—
U S TREASURY NOTE 2.750% 02/15/2028 DD 02/15/18	—	6,376,121	6,377,904	6,376,121	(1,783)
U S TREASURY NOTE 2.750% 02/15/2028 DD 02/15/18	6,377,904	—	—	6,377,904	—
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	6,680,071	6,690,215	6,680,071	(10,144)
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	6,690,215	—	—	6,690,215	—
U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	5,262,572	—	—	5,262,572	—
U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	—	5,262,580	5,262,572	5,262,580	8
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	—	3,575,210	3,578,555	3,575,210	(3,344)
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	3,578,555	—	—	3,578,555	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	88,605,000	88,738,980	88,605,000	(133,980)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	88,738,980	—	—	88,738,980	—
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	3,351,130	—	—	3,351,130	—
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	—	4,753,328	4,727,300	4,753,328	26,029
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	155,966,701	156,031,559	155,966,701	(64,859)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	156,031,559	—	—	156,031,559	—
US TREAS-CPI INFLAT 0.625% 01/15/2026 DD 01/15/16	—	682,745	687,273	682,745	(4,528)
US TREAS-CPI INFLAT 0.625% 01/15/2026 DD 01/15/16	687,319	—	—	687,319	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	25,891,732	—	—	25,891,732	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	25,930,434	25,891,732	25,930,434	38,702
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	87,132,610	87,246,732	87,132,610	(114,122)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	87,246,732	—	—	87,246,732	—
U S TREASURY NOTE 2.000% 11/15/2026 DD 11/15/16	883,870	—	—	883,870	—
U S TREASURY NOTE 2.000% 11/15/2026 DD 11/15/16	—	2,173,863	2,162,667	2,173,863	11,196
US TREAS-CPI INFLAT 0.375% 01/15/2027 DD 01/15/17	—	4,291,525	4,335,961	4,291,525	(44,436)
US TREAS-CPI INFLAT 0.375% 01/15/2027 DD 01/15/17	799,497	—	—	799,497	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	26,927,471	—	—	26,927,471	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	31,706,321	31,610,022	31,706,321	96,299
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	30,382,465	—	—	30,382,465	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	32,730,503	32,709,954	32,730,503	20,549

	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	117,142,519	117,411,346	117,142,519	(268,827)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	117,695,742	—	—	117,695,742	—
	U S TREASURY BD CPN STRIP 0.000% 02/15/2035 DD 02/15/06	3,923,199	—	—	3,923,199	—
	U S TREASURY BD CPN STRIP 0.000% 05/15/2034 DD 08/15/07	—	1,866,121	2,007,699	1,866,121	(141,578)
	U S TREASURY BD CPN STRIP 0.000% 05/15/2034 DD 08/15/07	3,077,136	—	—	3,077,136	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2034 DD 08/15/07	3,768,000	—	—	3,768,000	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	25,097,128	—	—	25,097,128	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	25,089,469	24,557,933	25,089,469	531,535
	VERIZON COMMUNICATIONS INC 4.672% 03/15/2055 DD 03/13/15	1,244,385	—	—	1,244,385	—
	VISA INC	—	1,604,533	686,487	1,604,533	918,046
	WELLS FARGO & CO	3,123,028	—	—	3,123,028	—
	WORKDAY INC	1,850,875	—	—	1,850,875	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	201,278,998	—	—	201,278,998	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	—	201,278,998	201,278,998	201,278,998	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	432,422,422	432,422,422	432,422,422	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	421,942,034	—	—	421,942,034	—
	DOM MFA CASH COLL BCY VAR RT 01/01/2049 DD 07/01/08	4,100,000	—	—	4,100,000	—
	DOM MFA CASH COLL BCY VAR RT 01/01/2049 DD 07/01/08	—	4,100,000	4,100,000	4,100,000	—
	CASH COLLATERAL HELD AT CITIGROUP	1,489,000	—	—	1,489,000	—
	CASH COLLATERAL HELD AT CITIGROUP	—	1,096,000	1,096,000	1,096,000	—
	DOM MFA CASH COLL FOB VAR RT 01/01/2049 DD 07/01/08	820,000	—	—	820,000	—
	DOM MFA CASH COLL FOB VAR RT 01/01/2049 DD 07/01/08	—	820,000	820,000	820,000	—
	BLACKROCK LONG TERM CREDIT BD INDX FD	22,000,000	—	—	22,000,000	—
	GOLDMAN CAP MKT (GLM) CASH COL VAR RT 01/01/2049 DD 07/01/08	—	580,000	580,000	580,000	—
	GOLDMAN CAP MKT (GLM) CASH COL VAR RT 01/01/2049 DD 07/01/08	580,000	—	—	580,000	—
	DOM MFA CASH COLL CS NY VAR RT 01/01/2049 DD 07/01/08	2,750,000	—	—	2,750,000	—
	DOM MFA CASH COLL CS NY VAR RT 01/01/2049 DD 07/01/08	—	2,750,000	2,750,000	2,750,000	—
	DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	620,000	—	—	620,000	—
	DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	—	880,000	880,000	880,000	—
	SWAP/ISDA MORGAN STANLEY (MYC) VAR RT 01/01/2049 DD 07/01/08	1,380,000	—	—	1,380,000	—
	SWAP/ISDA MORGAN STANLEY (MYC) VAR RT 01/01/2049 DD 07/01/08	—	980,000	980,000	980,000	—
	SAL CCP COLLATERAL VAR RT 01/01/2049 DD 07/01/08	924,000	—	—	924,000	—
	SAL CCP COLLATERAL VAR RT 01/01/2049 DD 07/01/08	—	335,000	335,000	335,000	—
	DOM MFA CASH COLL TD SEC VAR RT 01/01/2049 DD 07/01/08	—	8,487,000	8,487,000	8,487,000	—
	DOM MFA CASH COLL TD SEC VAR RT 01/01/2049 DD 07/01/08	8,487,000	—	—	8,487,000	—

IRS P USD 30Y 625BPS R 2.5125% PUT SEP 19 251.250 ED 092719	—	1,275,857	537,500	1,275,857	738,357
IRS P USD 5Y 125BPS R 2.25% PUT SEP 19 225.000 ED 092719	—	1,892,722	537,500	1,892,722	(1,355,222)
CCP IRS. R USD-LIBOR-BBA 3M CM PAY 1.75% 2047 JUN 21	—	908,096	648,813	908,096	259,283
CCP IRS. R USD-LIBOR-BBA 3M CM PAY 1.75% 2047 JUN 21	648,813	—	—	648,813	—
FRANKLIN TEMPLETON GLOBAL MULTISECTOR PLUS TRUST	16,000,000	—	—	16,000,000	—
FRANKLIN TEMPLETON GLOBAL MULTISECTOR PLUS TRUST	—	4,000,000	3,639,547	4,000,000	360,453
JPMCB EMERGING MARKETS EQUITY FOCUSED FUND	—	17,000,000	10,662,530	17,000,000	6,337,470
ENTRUST	—	29,568,142	27,042,307	29,568,142	2,525,835
HEXAVEST WORLD EQUITY FUND	6,000,000	—	—	6,000,000	—
CASH COLLATERAL FORWARDS BNP VAR RT 01/01/2049 DD 07/01/08	1,430,000	—	—	1,430,000	—
CASH COLLATERAL FORWARDS BNP VAR RT 01/01/2049 DD 07/01/08	—	1,430,000	1,430,000	1,430,000	—
ENTRUST CLASS X SERIES	1,279,295	—	—	1,279,295	—
ENTRUST CLASS X SERIES	1,275,326	—	—	1,275,326	—
RHEINMETALL AG	1,477,075	—	—	1,477,075	—
OSRAM LICHT AG	—	1,146,424	759,915	1,146,424	386,509
COVESTRO AG	1,194,808	—	—	1,194,808	—
IBERDROLA SA	1,160,593	—	—	1,160,593	—
AMADEUS IT GROUP SA	—	1,104,297	652,922	1,104,297	451,376
BNP PARIBAS SA	—	1,425,608	1,028,805	1,425,608	396,803
ENEL SPA	2,511,239	—	—	2,511,239	—
ENEL SPA	—	257,781	218,588	257,781	39,193
ITALY BUONI ORDINARI DEL TESOR 0.000% 04/30/2018	2,971,275	—	—	2,971,275	—
KONINKLIJKE KPN NV	1,196,432	—	—	1,196,432	—
KONINKLIJKE DSM NV	—	1,109,053	760,691	1,109,053	348,363
ASML HOLDING NV	—	1,543,041	622,887	1,543,041	920,154
ABN AMRO GROUP NV	—	1,185,880	861,752	1,185,880	324,128
ROCHE HOLDING AG	716,117	—	—	716,117	—
ROCHE HOLDING AG	—	3,644,877	3,138,931	3,644,877	505,946
NESTLE SA	1,126,685	—	—	1,126,685	—
NESTLE SA	—	734,782	651,322	734,782	83,459
RIO TINTO PLC	—	1,343,809	1,251,393	1,343,809	92,416
LONDON STOCK EXCHANGE GROUP PL	2,536,302	—	—	2,536,302	—
INFORMA PLC	340,940	—	—	340,940	—
INFORMA PLC	—	1,628,654	1,428,684	1,628,654	199,970
SUNNY OPTICAL TECHNOLOGY GROUP HK/02382	—	2,127,553	492,899	2,127,553	1,634,654

	KEYENCE CORP	116,605	—	—	116,605	—
	KEYENCE CORP	—	2,024,758	636,162	2,024,758	1,388,596
	MURATA MANUFACTURING CO LTD	—	2,057,874	1,702,500	2,057,874	355,374
	SMC CORP/JAPAN	—	1,396,550	804,387	1,396,550	592,164
	DBS GROUP HOLDINGS LTD	1,180,923	—	—	1,180,923	—
	AXIS CAPITAL HOLDINGS LTD	1,368,918	—	—	1,368,918	—
	PERU GOVERNMENT BOND 144A 6.150% 08/12/2032	—	1,739,805	1,708,128	1,739,805	31,677
	PERU GOVERNMENT BOND 144A 6.150% 08/12/2032	1,708,128	—	—	1,708,128	—
	MYLAN NV SHS EURO	2,049,829	—	—	2,049,829	—
	MYLAN NV SHS EURO	—	575,723	537,036	575,723	38,687
	FIRST QUANTUM MINERALS LTD	—	1,494,275	1,391,440	1,494,275	102,835
	HSBC BANK CANADA B/A 05/03/2018	1,635,894	—	—	1,635,894	—
	GENMAB A/S	568,773	—	—	568,773	—
	GENMAB A/S	—	921,812	291,781	921,812	630,031
	ASSA ABLOY AB	190,553	—	—	190,553	—
	ASSA ABLOY AB	—	1,157,028	645,650	1,157,028	511,378
*	VANGUARD LONG TERM BOND INDEX FUND INST	—	42,363,801	41,252,117	42,363,801	1,111,684
*	VANGUARD LONG-TERM INV-GRADE FUND ADMIRAL	—	43,418,043	42,615,192	43,418,043	802,851

*** Denotes Party-in-Interest**

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 26—Schedule of Active Participant Data as of July 1, 2017

Number of Participants

Attained Age	Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
<25										
25-29										
30-34										
35-39										
40-44		1	2							
45-49		1	4	3						
50-54		4	3	4	2					
55-59		2	4	1	4	4				
60-64	1	1	6	4	3	4				
65-69			1							
70+										

N-59

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, Part V—Statement of Actuarial Assumptions/Methods

Interest Rates	Based on segment rates with a four-month look-back (as of February 2017).
1st Segment Rate	4.16%.
2nd Segment Rate	5.72%.
3rd Segment Rate	6.48%.
Interest Rates for Maximum Tax Purpose	Based on segment rates with a four-month look-back (as of February 2017).
1st Segment Rate	1.60%.
2nd Segment Rate	3.79%.
3rd Segment Rate	4.74%.
Salary Increases	Legacy Consolidated: The merit amount shown in Table 1 plus 1.70%%. Legacy CLARCOR: 4.00%
Social Security Wage Base Increases	Future wage indices are based on a national wage increase of 3.50% per year.
Social Security COLA Increases	3.00%.
Optional Payment Form Election Percentage	
Legacy Consolidated Plan	
Former Wynn Participants	90% lump sum; 10% life annuity.
Former STI Participants	10-year certain and life for Autoclave benefit; 100% life annuity for all other benefits.
All Others	100% life annuity. 50% joint survivor for RMA and TPS benefits.
Other Participants	66.67% life annuity 33.33% Joint & Survivor annuity

Optional Payment Form Conversion Interest Rate	7.00% for RMA accounts. 6.00% for profit sharing accounts (prior plan balances). 7.50% for Legacy PECO. 417(e) rates of 1.96%, 3.58%, and 4.35%for Legacy CLARCOR. Same as funding interest rates above for lump sums.
Optional Payment Form Conversion Mortality	The mortality table described in Revenue Ruling 2001-62 for RMA accounts. The UP-1984 Unisex mortality table for profit sharing accounts (prior plan balances). Legacy PECO: 83 GAM Blended Mortality Table (50% male 50% female). Legacy CLARCOR: Current 417(e) table. Current 417(e) table for lump sums.
Retirement Age	
Active Participants	See Tables 2–9.
Future Terminated Vested Participants	Legacy PECO: Age 61. Legacy CLARCOR: Age 60. Legacy Consolidated: Age 62.
Existing Terminated Vested Participants	Legacy PECO: Age 65. Legacy CLARCOR: Age 65. Legacy Consolidated: Age 62. An 8.0% load is applied to Legacy PECO participants to account for early retirement subsidies.

Mortality Rates	
Healthy	2017 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e).
Disabled	2017 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e) for all participants except former Snap-tite plan participants. Revenue Ruling 96-7 mortality table for disability after December 31, 1994 is used for former Snap-tite plan participants.
Withdrawal Rates	See Tables 10–12.
Disability Rates	Legacy PECO and CLARCOR: None. Others: See Tables 13–14.
Surviving Spouse Benefit	
Legacy Consolidated Plan	For all participants except former Snap-tite plan participants, it is assumed that 85% of males and 50% of females have an eligible spouse, and that males are three years older than their spouses. For former Snap-tite plan participants, it is assumed that 85% of males and 85% of females have an eligible spouse, and that males are three years older than their spouses.
Legacy PECO and CLARCOR Plans	It is assumed that 100% of the participants are married, and that males are three years older than their spouses.
Benefit and Compensation Limits	Projected benefits and compensation are limited by the current IRC section 415 maximum benefit of $215,000 and the IRC section 401(a)(17) compensation limit of $270,000.

Valuation of Plan Assets	Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value. A characteristic of this method is that the expected distribution of the value of plan assets is skewed toward understatement relative to the corresponding market values for expected long-term rates of return in excess of the third segment rate under IRC section 430(h)(2)(C)(iii).
Expected Return on Assets	
2015 Plan Year	6.65%.
2016 Plan Year	6.00%.
2017 Plan Year	7.50%, limited to 6.48%.
Trust Expenses Included in Target Normal Cost	Prior year's expenses excluding PBGC premium plus current year's PBGC premium.
Actuarial Method	Standard unit credit cost method.
Valuation Date	June 1, 2017.

Table 1

Salary Merit Increase Rates—Legacy Consolidated

Age	Rate	Age	Rate
15	5.90%	45	3.15%
16	5.90%	46	3.04%
17	5.90%	47	2.93%
18	5.90%	48	2.82%
19	5.90%	49	2.71%
20	5.90%	50	2.60%
21	5.79%	51	2.49%
22	5.69%	52	2.38%
23	5.57%	53	2.27%
24	5.46%	54	2.16%
25	5.35%	55	2.05%
26	5.24%	56	1.94%
27	5.13%	57	1.83%
28	5.02%	58	1.72%
29	4.91%	59	1.61%
30	4.80%	60	1.50%
31	4.69%	61	1.39%
32	4.58%	62	1.28%
33	4.47%	63	1.17%
34	4.36%	64	1.06%
35	4.25%	65	0.95%
36	4.14%	66	0.50%
37	4.03%		
38	3.92%		
39	3.81%		
40	3.70%		
41	3.59%		
42	3.48%		
43	3.37%		
44	3.26%		

Table 2

Retirement Rates—Legacy PECO

Age	Rate
55	5.00%
56	5.00%
57	5.00%
58	5.00%
59	5.00%
60	5.00%
61	5.00%
62	10.00%
63	10.00%
64	10.00%
65	100.00%

Table 3

Retirement Rates—Legacy CLARCOR

Age	Rate
55	5.00%
56	5.00%
57	5.00%
58	5.00%
59	5.00%
60	5.00%
61	5.00%
62	10.00%
63	10.00%
64	10.00%
65	30.00%
66	50.00%
67	50.00%
68	50.00%
69	50.00%
70	100.00%

Table 4

Retirement Rates—Retirement Plan, Commercial Intertech and Wynn Sub-Plans 050, 138, 147, and 184

Age	Rate
55	6.00%
56	6.00%
57	6.00%
58	7.00%
59	9.00%
60	9.00%
61	14.00%
62	24.00%
63	19.00%
64	29.00%
65	30.00%
66	30.00%
67	30.00%
68	30.00%
69	30.00%
70+	100.00%

Table 5

Retirement Rates—Greenville Sub-Plan 126

Age	Rate
55	20.00%
56	20.00%
57	20.00%
58	20.00%
59	20.00%
60	35.00%
61	35.00%
62	45.00%
63	40.00%
64	30.00%
65+	100.00%

Table 6

Retirement Rates—NWL Retirement Plan
Sub-Plan 129

	Years of Service	
Age	**0–29**	**30+**
55	17.00%	5.00%
56	17.00%	5.00%
57	17.00%	10.00%
58	18.00%	10.00%
59	20.00%	10.00%
60	20.00%	15.00%
61	25.00%	20.00%
62	20.00%	40.00%
63	15.00%	40.00%
64	25.00%	40.00%
65	50.00%	100.00%
66	50.00%	100.00%
67	50.00%	100.00%
68	50.00%	100.00%
69	50.00%	100.00%
70+	100.00%	100.00%

Table 7

Retirement Rates—Hourly Plans With Age 55 Retirement Eligibility
Sub-Plans 001,104,116,117,148,149,150 and 151

Age	Rate
55	7.00%
56	7.00%
57	7.00%
58	8.00%
59	10.00%
60	10.00%
61	15.00%
62	25.00%
63	20.00%
64	30.00%
65	50.00%
66	50.00%
67	50.00%
68	50.00%
69	50.00%
70+	100.00%

Table 8

Retirement Rates—Hourly Plans With Age 60 Retirement Eligibility
Sub-Plans 011,139,158 and 161

Age	Rate
60	10.00%
61	15.00%
62	25.00%
63	20.00%
64	30.00%
65	50.00%
66	50.00%
67	50.00%
68	50.00%
69	50.00%
70+	100.00%

Table 9

Retirement Rates—Gresen and Former Snap-tite Participants
Sub-Plans 140, 188, 189, and 190

Age	Rate
55	0.00%
56	0.00%
57	0.00%
58	0.00%
59	0.00%
60	0.00%
61	0.00%
62	25.00%
63	25.00%
64	25.00%
65+	100.00%

Table 10

Withdrawal Rates—Legacy PECO

Age	Rate	Age	Rate
15	9.00%	40	5.00%
16	9.00%	41	4.80%
17	9.00%	42	4.60%
18	9.00%	43	4.40%
19	9.00%	44	4.20%
20	9.00%	45	4.00%
21	8.80%	46	3.80%
22	8.60%	47	3.60%
23	8.40%	48	3.40%
24	8.20%	49	3.20%
25	8.00%	50	3.00%
26	7.80%	51	2.80%
27	7.60%	52	2.60%
28	7.40%	53	2.40%
29	7.20%	54	2.20%
30	7.00%	55	2.00%
31	6.80%	56	1.80%
32	6.60%	57	1.60%
33	6.40%	58	1.40%
34	6.20%	59	1.20%
35	6.00%	60+	0.00%
36	5.80%		
37	5.60%		
38	5.40%		
39	5.20%		

Table 11

Withdrawal Rates—Legacy CLARCOR

Age	Rate	Age	Rate
15	9.00%	45	4.00%
16	9.00%	46	3.80%
17	9.00%	47	3.60%
18	9.00%	48	3.40%
19	9.00%	49	3.20%
20	9.00%	50	3.00%
21	8.80%	51	2.80%
22	8.60%	52	2.60%
23	8.40%	53	2.40%
24	8.20%	54	2.20%
25	8.00%	55	2.00%
26	7.80%	56	1.60%
27	7.60%	57	1.20%
28	7.40%	58	0.80%
29	7.20%	59	0.40%
30	7.00%	60+	0.00%
31	6.80%		
32	6.60%		
33	6.40%		
34	6.20%		
35	6.00%		
36	5.80%		
37	5.60%		
38	5.40%		
39	5.20%		
40	5.00%		
41	4.80%		
42	4.60%		
43	4.40%		
44	4.20%		

Table 12—Page 1 of 2

Withdrawal Rates—Legacy Consolidated Plan

	Years of Service					
Age	**0**	**1**	**2**	**3**	**4**	**5+**
20	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
21	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
22	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
23	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
24	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
25	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
26	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
27	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
28	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
29	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
30	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
31	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
32	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
33	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
34	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
35	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
36	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
37	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
38	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
39	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
40	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
41	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
42	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
43	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
44	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
45	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%
46	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%
47	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%
48	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%
49	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%

Table 12—Page 2 of 2

Withdrawal Rates—Legacy Consolidated Plan

	Years of Service					
Age	**0**	**1**	**2**	**3**	**4**	**5+**
50	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
51	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
52	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
53	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
54	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
55	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
56	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
57	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
58	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
59	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
60+	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%

Table 13

Disability Rates—Hourly and Former Snap-tite Participants

Age	Male	Female	Age	Male	Female
15	0.044%	0.039%	45	0.505%	0.522%
16	0.047%	0.042%	46	0.556%	0.570%
17	0.051%	0.045%	47	0.616%	0.628%
18	0.055%	0.048%	48	0.682%	0.695%
19	0.059%	0.051%	49	0.751%	0.770%
20	0.064%	0.055%	50	0.830%	0.854%
21	0.069%	0.060%	51	0.922%	0.947%
22	0.074%	0.066%	52	1.033%	1.052%
23	0.080%	0.074%	53	1.170%	1.181%
24	0.086%	0.084%	54	1.330%	1.334%
25	0.093%	0.096%	55	1.502%	1.490%
26	0.100%	0.108%	56	1.674%	1.630%
27	0.108%	0.121%	57	1.836%	1.733%
28	0.116%	0.135%	58	1.984%	1.753%
29	0.125%	0.149%	59	2.126%	1.773%
30	0.134%	0.165%	60	2.266%	1.793%
31	0.145%	0.181%	61	2.408%	1.813%
32	0.157%	0.198%	62	2.558%	1.833%
33	0.170%	0.215%	63	2.712%	1.903%
34	0.184%	0.234%	64	2.868%	1.992%
35	0.199%	0.252%	65	3.028%	2.095%
36	0.216%	0.272%	66	3.199%	2.207%
37	0.237%	0.293%	67	3.382%	2.322%
38	0.260%	0.314%	68	3.577%	2.441%
39	0.286%	0.335%	69+	3.781%	2.567%
40	0.314%	0.357%			
41	0.345%	0.383%			
42	0.000%	0.000%			
43	0.419%	0.447%			
44	0.460%	0.482%			

Table 14

Disability Rates—Salaried and Wynn Participants

Age	Male	Female	Age	Male	Female
15	0.021%	0.023%	45	0.202%	0.323%
16	0.023%	0.025%	46	0.226%	0.354%
17	0.024%	0.026%	47	0.255%	0.391%
18	0.025%	0.027%	48	0.286%	0.434%
19	0.027%	0.029%	49	0.320%	0.480%
20	0.029%	0.030%	50	0.358%	0.533%
21	0.030%	0.032%	51	0.405%	0.592%
22	0.032%	0.035%	52	0.465%	0.660%
23	0.034%	0.038%	53	0.539%	0.745%
24	0.036%	0.042%	54	0.626%	0.847%
25	0.038%	0.047%	55	0.722%	0.952%
26	0.040%	0.052%	56	0.822%	1.045%
27	0.042%	0.058%	57	0.924%	1.115%
28	0.044%	0.065%	58	1.030%	1.130%
29	0.046%	0.072%	59	1.141%	1.144%
30	0.048%	0.080%	60	1.256%	1.159%
31	0.050%	0.089%	61	1.368%	1.173%
32	0.054%	0.099%	62	1.475%	1.188%
33	0.058%	0.110%	63	1.572%	1.234%
34	0.064%	0.123%	64	1.663%	1.292%
35	0.069%	0.136%	65	1.753%	1.358%
36	0.077%	0.150%	66	1.846%	1.430%
37	0.085%	0.165%	67	1.950%	1.505%
38	0.095%	0.180%	68	2.063%	1.582%
39	0.105%	0.195%	69+	2.180%	1.664%
40	0.117%	0.211%			
41	0.131%	0.229%			
42	0.000%	0.000%			
43	0.164%	0.273%			
44	0.182%	0.296%			

Parker-Hannifin Consolidated Pension Plan - A
Schedule H, Line 4(j) – Schedule of Reportable Transactions
May 31, 2018
EIN 26-1200603

(a) Identity of party involved	(b) Description of asset (include interest rate and maturity in case of loan)	(c) Purchase price	(d) Selling price	(e) Lease rental	(f) Expense incurred with transaction	(g) Cost of asset	(h) Current value of assets on transaction date	(i) Net gain or (loss)
Category (i) - Individual transaction in excess of five percent of beginning plan net assets:								
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	$ 2,085,703	$ —			$ —	$ 2,085,703	—
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	2,071,781	—			—	2,071,781	—
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	—	4,128,180			4,157,484	4,128,180	(29,304)
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	4,103,688	—			—	4,103,688	—
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	—	2,051,843.75			2,051,843.75	2,051,844	—
	COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2048 DD 02/01/18	—	2,051,844			2,051,844	2,051,844	—
	COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2048 DD 03/01/18	3,747,500	—			—	3,747,500	—
	COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2048 DD 03/01/18	—	3,737,969			3,735,653	3,737,969	2,316
	COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2048 DD 03/01/18	3,723,750	—			—	3,723,750	—
	COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2048 DD 03/01/18	—	3,723,750			3,735,653	3,723,750	(11,903)
	COMMIT TO PUR FNMA SF MTG 2.500% 04/01/2048 DD 04/01/18	3,733,750	—			—	3,733,750	—
	COMMIT TO PUR FNMA SF MTG 2.500% 04/01/2048 DD 04/01/18	—	3,752,969			3,733,409	3,752,969	19,560
	COMMIT TO PUR FNMA SF MTG 2.500% 05/01/2048 DD 05/01/18	4,123,625	—			—	4,123,625	—
	COMMIT TO PUR FNMA SF MTG 2.500% 05/01/2048 DD 05/01/18	—	4,094,578			4,123,625	4,094,578	(29,047)
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	1,394,297	—			—	1,394,297	—
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	2,695,641	—			—	2,695,641	—
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	—	1,406,016			1,397,008	1,406,016	9,008
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	1,404,961	—			—	1,404,961	—
	COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2048 DD 06/01/18	—	1,404,961			1,397,008	1,404,961	7,953
	COMMIT TO PUR FNMA SF MTG 3.000% 01/01/2048 DD 01/01/18	1,901,188	—			—	1,901,188	—
	COMMIT TO PUR FNMA SF MTG 3.000% 01/01/2048 DD 01/01/18	—	1,891,836			1,901,188	1,891,836	(9,352)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	1,889,313	—			—	1,889,313	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	1,698,605			1,690,438	1,698,605	8,167
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	1,889,016	—			—	1,889,016	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	1,889,016			1,868,537	1,889,016	20,479
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	1,668,789	—			—	1,668,789	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	1,664,273	—			—	1,664,273	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	2,643,258	—			—	2,643,258	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	1,898,441			1,868,537	1,898,441	29,904
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	3,317,789	—			—	3,317,789	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	4,269,375	—			—	4,269,375	—

	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	1,649,531	1,651,310	1,649,531	(1,779)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	2,619,844	2,622,668	2,619,844	(2,824)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	3,321,109	—	—	3,321,109	—
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	3,323,766	3,326,442	3,323,766	(2,676)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	3,321,109	3,326,442	3,321,109	(5,333)
	COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2048 DD 02/01/18	—	4,330,219	4,304,807	4,330,219	25,412
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	2,317,875	—	—	2,317,875	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	7,339,938	—	—	7,339,938	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	4,152,094	4,062,207	4,152,094	89,887
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	1,666,266	1,644,227	1,666,266	22,039
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	3,294,016	—	—	3,294,016	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	4,069,078	—	—	4,069,078	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	1,645,414	—	—	1,645,414	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	3,616,750	3,578,611	3,616,750	38,139
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	3,312,344	3,288,453	3,312,344	23,891
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	2,322,938	2,321,261	2,322,938	1,677
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	3,586,688	—	—	3,586,688	—
	COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2048 DD 03/01/18	—	7,363,094	7,360,920	7,363,094	2,174
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	—	9,645,313	9,645,313	9,645,313	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	—	4,550,188	4,550,188	4,550,188	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	4,583,418	—	—	4,583,418	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	9,731,641	—	—	9,731,641	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	9,715,625	—	—	9,715,625	—
	COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2048 DD 04/01/18	—	9,715,625	9,715,625	9,715,625	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	4,558,816	—	—	4,558,816	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	4,577,359	4,524,153	4,577,359	53,206
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	2,595,797	—	—	2,595,797	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	7,018,266	—	—	7,018,266	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	2,624,063	2,598,981	2,624,063	25,082
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	7,094,688	7,026,875	7,094,688	67,813
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	2,589,469	—	—	2,589,469	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	2,595,375	—	—	2,595,375	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	7,017,125	—	—	7,017,125	—
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	2,595,375	2,598,981	2,595,375	(3,606)
	COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	7,017,125	7,026,875	7,017,125	(9,750)

COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	2,599,383	2,598,981	2,599,383	402
COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	2,601,281	—	—	2,601,281	—
COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2048 DD 05/01/18	—	2,601,281	2,601,281	2,601,281	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	1,937,813	1,937,813	1,937,813	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	2,616,047	2,616,047	2,616,047	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	9,603,125	9,603,125	9,603,125	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	2,596,219	—	—	2,596,219	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	1,933,281	—	—	1,933,281	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	9,666,406	—	—	9,666,406	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	9,706,250	—	—	9,706,250	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	2,909,531	—	—	2,909,531	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	1,941,250	—	—	1,941,250	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	9,706,250	9,706,250	9,706,250	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2048 DD 06/01/18	—	1,941,250	1,933,281	1,941,250	7,969
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2047 DD 07/01/17	1,907,719	—	—	1,907,719	—
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2047 DD 07/01/17	—	1,907,719	1,907,719	1,907,719	—
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2047 DD 07/01/17	—	1,914,807	1,893,643	1,914,807	21,164
COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2047 DD 07/01/17	—	2,967,188	2,989,963	2,967,188	(22,775)
COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2047 DD 08/01/17	—	1,909,500	1,911,875	1,909,500	(2,375)
COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2047 DD 08/01/17	1,906,086	—	—	1,906,086	—
COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2047 DD 08/01/17	—	1,906,086	1,906,086	1,906,086	—
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2047 DD 09/01/17	1,906,680	—	—	1,906,680	—
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2047 DD 09/01/17	—	1,905,863	1,906,680	1,905,863	(817)
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2047 DD 09/01/17	1,918,406	—	—	1,918,406	—
COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2047 DD 09/01/17	—	1,918,406	1,918,406	1,918,406	—
COMMIT TO PUR FNMA SF MTG 3.000% 10/01/2047 DD 10/01/17	1,903,043	—	—	1,903,043	—
COMMIT TO PUR FNMA SF MTG 3.000% 10/01/2047 DD 10/01/17	—	1,910,316	1,903,043	1,910,316	7,273
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2047 DD 11/01/17	1,907,348	—	—	1,907,348	—
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2047 DD 11/01/17	—	1,903,563	1,907,348	1,903,563	(3,785)
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2047 DD 11/01/17	1,901,930	—	—	1,901,930	—
COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2047 DD 11/01/17	—	1,901,930	1,901,930	1,901,930	—
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2047 DD 12/01/17	1,900,594	—	—	1,900,594	—
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2047 DD 12/01/17	—	1,903,637	1,900,594	1,903,637	3,043
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2047 DD 12/01/17	1,900,297	—	—	1,900,297	—
COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2047 DD 12/01/17	—	1,900,297	1,900,297	1,900,297	—

COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	1,955,664	—	—	1,955,664	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	—	1,956,184	1,955,633	1,956,184	551
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	2,259,125	—	—	2,259,125	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	—	2,257,320	2,259,125	2,257,320	(1,805)
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	2,248,125	—	—	2,248,125	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2033 DD 02/01/18	—	2,248,125	2,248,125	2,248,125	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	2,254,656	—	—	2,254,656	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	1,954,031	—	—	1,954,031	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	—	1,945,719	1,950,282	1,945,719	(4,563)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	—	2,236,609	2,258,221	2,236,609	(21,612)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	2,237,297	—	—	2,237,297	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2033 DD 03/01/18	—	2,237,297	2,237,297	2,237,297	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	2,740,922	—	—	2,740,922	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	1,943,641	—	—	1,943,641	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	—	1,930,801	1,935,186	1,930,801	(4,385)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	—	2,747,039	2,750,001	2,747,039	(2,962)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	2,750,625	—	—	2,750,625	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2033 DD 04/01/18	—	2,750,625	2,750,001	2,750,625	624
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	1,927,906	—	—	1,927,906	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	2,743,031	—	—	2,743,031	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	—	4,669,809	4,670,938	4,669,809	(1,129)
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	4,651,750	—	—	4,651,750	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	—	2,730,375	2,730,375	2,730,375	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2033 DD 05/01/18	—	1,921,375	1,921,375	1,921,375	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2033 DD 06/01/18	4,663,250	—	—	4,663,250	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	2,227,672	—	—	2,227,672	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	2,231,754	2,227,672	2,231,754	4,082
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	2,213,063	—	—	2,213,063	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	2,212,375	2,213,063	2,212,375	(688)
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	2,201,719	—	—	2,201,719	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	2,201,719	—	—	2,201,719	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	2,201,719	2,212,879	2,201,719	(11,160)
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	2,201,719	2,201,719	2,201,719	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	4,832,625	—	—	4,832,625	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	4,833,750	—	—	4,833,750	—

COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	6,127,500	—	—	6,127,500	—
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	4,837,500	4,828,100	4,837,500	9,400
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	4,832,625	4,828,100	4,832,625	4,525
COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2048 DD 02/01/18	—	6,034,570	6,127,500	6,034,570	(92,930)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	2,228,188	—	—	2,228,188	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	2,224,191	2,228,188	2,224,191	(3,997)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	2,208,594	—	—	2,208,594	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	6,024,375	—	—	6,024,375	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	2,198,625	2,208,716	2,198,625	(10,091)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	2,191,234	—	—	2,191,234	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	5,980,430	6,006,068	5,980,430	(25,638)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	2,191,234	2,208,716	2,191,234	(17,482)
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	6,003,281	—	—	6,003,281	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	2,201,203	—	—	2,201,203	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	6,003,281	6,003,281	6,003,281	—
COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2048 DD 03/01/17	—	2,201,203	2,201,203	2,201,203	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	2,295,328	—	—	2,295,328	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	5,971,875	—	—	5,971,875	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	1,110,656	—	—	1,110,656	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	1,110,656	—	—	1,110,656	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	—	5,982,656	5,993,438	5,982,656	(10,782)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	—	2,293,352	2,297,484	2,293,352	(4,132)
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	1,098,969	—	—	1,098,969	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	1,098,969	—	—	1,098,969	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	—	1,098,969	1,098,969	1,098,969	—
COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2048 DD 04/01/18	—	1,098,969	1,098,969	1,098,969	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2048 DD 05/01/18	8,263,039	—	—	8,263,039	—
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2048 DD 05/01/18	—	1,100,129	1,094,548	1,100,129	5,581
COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2048 DD 05/01/18	—	8,279,250	8,258,866	8,279,250	20,384
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	1,098,711	—	—	1,098,711	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	8,268,389	—	—	8,268,389	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	—	8,183,930	8,265,762	8,183,930	(81,832)
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	2,991,914	—	—	2,991,914	—
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	—	2,992,383	2,991,914	2,992,383	469
COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2048 DD 06/01/18	—	1,497,070	1,497,070	1,497,070	—

COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	8,173,879	—	—	8,173,879	—
COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	11,314,023	—	—	11,314,023	—
COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	1,494,375	—	—	1,494,375	—
COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	1,494,375	—	—	1,494,375	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	2,297,969	—	—	2,297,969	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	5,222,656	—	—	5,222,656	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	5,214,063	—	—	5,214,063	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	5,209,961	5,210,319	5,209,961	(358)
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	5,214,063	5,210,319	5,214,063	3,744
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	2,295,734	2,292,540	2,295,734	3,194
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	8,315,000	—	—	8,315,000	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	3,114,961	3,126,191	3,114,961	(11,230)
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	5,190,820	5,210,319	5,190,820	(19,499)
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	5,137,500	—	—	5,137,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	3,082,500	—	—	3,082,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2048 DD 02/01/18	—	8,220,000	8,220,000	8,220,000	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	5,202,539	—	—	5,202,539	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	2,292,469	—	—	2,292,469	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	5,182,813	—	—	5,182,813	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	3,110,156	—	—	3,110,156	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	2,258,008	2,285,102	2,258,008	(27,094)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	5,132,422	5,193,413	5,132,422	(60,991)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	5,126,465	5,193,413	5,126,465	(66,948)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	3,068,496	3,116,048	3,068,496	(47,552)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	3,067,500	—	—	3,067,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	5,112,500	—	—	5,112,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	3,067,500	3,067,500	3,067,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	2,045,000	2,045,000	2,045,000	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2048 DD 03/01/18	—	3,067,500	3,067,500	3,067,500	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	5,124,805	—	—	5,124,805	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	5,118,750	—	—	5,118,750	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	3,063,750	—	—	3,063,750	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	2,049,688	—	—	2,049,688	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	5,116,797	5,119,066	5,116,797	(2,269)
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	5,110,156	5,119,066	5,110,156	(8,910)

COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	3,067,148	3,071,440	3,067,148	(4,292)
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	2,044,766	2,047,626	2,044,766	(2,860)
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	2,048,906	—	—	2,048,906	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2048 DD 04/01/18	—	2,048,906	2,048,906	2,048,906	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	5,305,016	—	—	5,305,016	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	5,102,734	—	—	5,102,734	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	5,108,008	—	—	5,108,008	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	—	5,121,875	5,103,868	5,121,875	18,007
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	—	5,121,680	5,103,868	5,121,680	17,812
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2048 DD 05/01/18	—	5,326,750	5,308,022	5,326,750	18,728
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2048 DD 06/01/18	5,114,453	—	—	5,114,453	—
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2048 DD 06/01/18	5,114,551	—	—	5,114,551	—
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2048 DD 06/01/18	5,114,551	—	—	5,114,551	—
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2048 DD 06/01/18	—	5,106,934	5,114,519	5,106,934	(7,585)
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	3,063,047	—	—	3,063,047	—
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	5,100,000	—	—	5,100,000	—
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	—	3,061,172	3,063,047	3,061,172	(1,875)
COMMIT TO PUR FNMA SF MTG 4.000% 08/01/2048 DD 08/01/18	3,056,719	—	—	3,056,719	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2048 DD 02/01/18	—	3,080,230	3,080,230	3,080,230	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2048 DD 02/01/18	3,057,008	—	—	3,057,008	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2048 DD 02/01/18	3,047,492	—	—	3,047,492	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2048 DD 02/01/18	—	3,047,492	3,047,492	3,047,492	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	5,785,742	—	—	5,785,742	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	2,302,094	—	—	2,302,094	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	2,325,727	2,306,433	2,325,727	19,294
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	1,991,141	—	—	1,991,141	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	5,753,516	—	—	5,753,516	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	2,301,406	—	—	2,301,406	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	3,452,109	3,459,650	3,452,109	(7,541)
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	1,999,750	1,991,920	1,999,750	7,830
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	5,791,328	5,766,083	5,791,328	25,245
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	2,301,406	2,306,433	2,301,406	(5,027)
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	3,347,500	3,347,500	3,347,500	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	1,362,309	—	—	1,362,309	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	1,257,422	—	—	1,257,422	—

COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	1,363,070	1,362,260	1,363,070	810
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	1,258,219	1,257,471	1,258,219	748
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	1,359,414	—	—	1,359,414	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2048 DD 03/01/18	—	1,359,414	1,359,414	1,359,414	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	1,254,656	—	—	1,254,656	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	1,566,445	—	—	1,566,445	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	2,090,313	2,089,962	2,090,313	351
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	2,090,469	—	—	2,090,469	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	1,254,188	1,253,977	1,254,188	211
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	1,985,352	—	—	1,985,352	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	1,776,367	—	—	1,776,367	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	1,988,172	1,985,464	1,988,172	2,708
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	1,777,762	1,776,468	1,777,762	1,294
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2048 DD 04/01/18	—	1,569,023	1,567,472	1,569,023	1,551
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	3,756,656	—	—	3,756,656	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	2,086,719	2,081,193	2,086,719	5,526
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	2,077,188	—	—	2,077,188	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	3,755,250	3,746,148	3,755,250	9,102
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	2,178,750	—	—	2,178,750	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	2,185,969	2,185,253	2,185,969	716
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	2,184,328	—	—	2,184,328	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	2,080,313	—	—	2,080,313	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	2,080,313	2,080,313	2,080,313	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2048 DD 05/01/18	—	2,080,313	2,080,313	2,080,313	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	1,350,934	—	—	1,350,934	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	1,354,438	1,354,899	1,354,438	(461)
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	1,352,508	—	—	1,352,508	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	2,085,156	—	—	2,085,156	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	2,397,930	—	—	2,397,930	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	2,073,750	2,084,460	2,073,750	(10,710)
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	1,352,508	1,354,899	1,352,508	(2,391)
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	2,089,688	—	—	2,089,688	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	2,089,688	2,084,460	2,089,688	5,228
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2048 DD 06/01/18	—	2,396,313	2,397,129	2,396,313	(816)
COMMIT TO PUR FNMA SF MTG 4.500% 07/01/2048 DD 07/01/18	—	5,204,688	5,204,688	5,204,688	—

COMMIT TO PUR FNMA SF MTG 5.000% 02/01/2048 DD 02/01/18	2,038,641	—	—	2,038,641	—
COMMIT TO PUR FNMA SF MTG 5.000% 02/01/2048 DD 02/01/18	—	2,038,938	2,038,641	2,038,938	297
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2048 DD 05/01/18	1,276,500	—	—	1,276,500	—
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2048 DD 05/01/18	—	1,278,375	1,276,500	1,278,375	1,875
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2048 DD 05/01/18	1,272,563	—	—	1,272,563	—
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2048 DD 05/01/18	—	1,272,563	1,272,563	1,272,563	—
AMAZON.COM INC 144A 4.250% 08/22/2057 DD 08/22/17	1,190,184	—	—	1,190,184	—
AMERICAN INTERNATIONAL GROUP I	1,418,273	—	—	1,418,273	—
AMGEN INC	1,176,334	—	—	1,176,334	—
APPLE INC 2.900% 09/12/2027 DD 09/12/17	1,698,096	—	—	1,698,096	—
AXA EQUITABLE HOLDINGS INC	1,155,040	—	—	1,155,040	—
BAIDU INC ADR	—	1,402,254	871,024	1,402,254	531,230
CONSOLIDATED EDISON CO OF NEW 4.500% 05/15/2058 DD 05/10/18	1,592,624	—	—	1,592,624	—
DEXIA CREDIT LOCAL SA 144A 2.375% 09/20/2022 DD 09/20/17	1,396,402	—	—	1,396,402	—
EDISON INTERNATIONAL	1,315,981	—	—	1,315,981	—
FACEBOOK INC	—	1,250,629	572,299	1,250,629	678,330
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	1,857,054	—	—	1,857,054	—
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	—	1,856,750	1,737,936	1,856,750	118,814
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	1,942,093	—	—	1,942,093	—
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	—	1,941,625	1,857,054	1,941,625	84,571
FHLMC MULTICLASS MTG K071 A2 3.286% 11/25/2027 DD 12/01/17	1,441,915	—	—	1,441,915	—
FHLMC MULTICLASS MTG K071 A2 3.286% 11/25/2027 DD 12/01/17	—	1,422,695	1,441,915	1,422,695	(19,220)
GMO STRAT OPPOR ALLOCATION-3	3,501,813	—	—	3,501,813	—
HILTON WORLDWIDE HOLDINGS INC	—	1,197,163	834,286	1,197,163	362,877
METLIFE INC	1,109,341	—	—	1,109,341	—
PIMCO ALL ASSET FUND-INST	2,030,775	—	—	2,030,775	—
PIMCO ALL ASSET FUND-INST	3,412,463	—	—	3,412,463	—
PIMCO ALL ASSET FUND-INST	21,000,000	—	—	21,000,000	—
PIMCO ALL ASSET FUND-INST	2,500,000	—	—	2,500,000	—
PIMCO ALL ASSET FUND-INST	—	4,000,000	3,979,124	4,000,000	20,876
PIMCO ALL ASSET FUND-INST	—	12,000,000	12,017,567	12,000,000	(17,567)
PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,100,000	1,100,000	1,100,000	—
PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,100,000	1,099,890	1,100,000	110
PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,400,000	1,400,009	1,400,000	(9)
PIMCO FDS SHORT TERM FLTG NAV PORT II	1,200,000	—	—	1,200,000	—

	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,900,000	1,900,000	1,900,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	1,600,000	—	—	1,600,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	3,500,000	3,500,000	3,500,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	2,500,000	—	—	2,500,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	2,600,000	2,600,260	2,600,000	(260)
	PIMCO FDS SHORT TERM FLTG NAV PORT II	4,000,000	—	—	4,000,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	4,000,000	4,000,011	4,000,000	(11)
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	2,300,000	2,300,000	2,300,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	50,600,000	—	—	50,600,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	50,200,000	50,200,000	50,200,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	1,900,000	—	—	1,900,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	2,300,000	2,300,102	2,300,000	(102)
	PIMCO FDS SHORT TERM FLTG NAV PORT II	1,400,000	—	—	1,400,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	1,400,000	1,400,202	1,400,000	(202)
	PIMCO FDS SHORT TERM FLTG NAV PORT II	1,400,000	—	—	1,400,000	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	2,700,000	2,699,877	2,700,000	123
	PIMCO FDS SHORT TERM FLTG NAV PORT II	5,900,000	—	—	5,900,000	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	2,705,348	—	—	2,705,348	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	1,300,000	1,236,988	1,300,000	63,012
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,100,000	2,009,762	2,100,000	90,238
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	1,300,000	1,229,920	1,300,000	70,080
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	4,100,000	3,894,875	4,100,000	205,125
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	1,238,421	—	—	1,238,421	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	5,681,307	—	—	5,681,307	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	28,300,000	—	—	28,300,000	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,200,000	2,204,838	2,200,000	(4,838)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	1,400,000	1,423,911	1,400,000	(23,911)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	1,261,960	—	—	1,261,960	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,200,000	2,216,153	2,200,000	(16,153)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	5,600,000	5,720,291	5,600,000	(120,291)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,000,000	2,064,695	2,000,000	(64,695)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,800,000	2,916,427	2,800,000	(116,427)
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	2,100,000	2,128,307	2,100,000	(28,307)
	SAUDI GOVERNMENT INTERNAT 144A 3.625% 03/04/2028 DD 10/04/17	1,482,465	—	—	1,482,465	—
	SAUDI GOVERNMENT INTERNAT 144A 3.625% 03/04/2028 DD 10/04/17	—	1,489,500	1,482,465	1,489,500	7,035

SAUDI GOVERNMENT INTERNAT 144A 4.625% 10/04/2047 DD 10/04/17	1,888,410	—	—	1,888,410	—
SAUDI GOVERNMENT INTERNAT 144A 4.000% 04/17/2025 DD 04/17/18	1,882,387	—	—	1,882,387	—
U S TREASURY BD PRIN STRIP 0.000% 08/15/2042 DD 08/15/12	—	2,497,050	1,531,950	2,497,050	965,100
U S TREASURY BD PRIN STRIP 0.000% 11/15/2042 DD 11/15/12	—	1,484,130	1,074,541	1,484,130	409,589
U S TREASURY BD PRIN STRIP 0.000% 08/15/2043 DD 08/15/13	1,876,719	—	—	1,876,719	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,130,752	—	—	1,130,752	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,111,119	—	—	1,111,119	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,111,472	1,113,221	1,111,472	(1,749)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,231,237	—	—	1,231,237	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,226,041	—	—	1,226,041	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,226,117	1,232,870	1,226,117	(6,753)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,560,796	—	—	1,560,796	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,560,681	1,568,593	1,560,681	(7,912)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,954,295	—	—	1,954,295	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,954,295	1,957,884	1,954,295	(3,589)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,365,747	—	—	2,365,747	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,365,740	2,357,283	2,365,740	8,457
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,367,725	—	—	2,367,725	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,367,716	2,362,504	2,367,716	5,212
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,361,803	—	—	2,361,803	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,361,789	2,362,143	2,361,789	(354)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,369,704	—	—	2,369,704	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,369,712	2,362,152	2,369,712	7,560
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,347,956	—	—	2,347,956	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,347,978	2,369,704	2,347,978	(21,726)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,353,874	—	—	2,353,874	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,353,905	2,347,956	2,353,905	5,949
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	2,345,326	—	—	2,345,326	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	2,345,363	2,353,874	2,345,363	(8,511)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	1,423,337	—	—	1,423,337	—
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,423,321	1,451,910	1,423,321	(28,589)
US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	1,807,142	1,826,106	1,807,142	(18,964)
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	1,480,354	—	—	1,480,354	—
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	—	1,485,656	1,473,928	1,485,656	11,728
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	1,452,712	—	—	1,452,712	—

U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	—	1,454,031	1,480,354	1,454,031	(26,323)
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	1,158,231	—	—	1,158,231	—
U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	—	1,159,000	1,211,834	1,159,000	(52,834)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,716,203	—	—	1,716,203	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,587,094	—	—	1,587,094	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,449,852	—	—	1,449,852	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,852,263	—	—	1,852,263	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,852,375	1,847,400	1,852,375	4,975
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,182,583	—	—	1,182,583	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,182,938	1,188,327	1,182,938	(5,389)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,443,502	—	—	1,443,502	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,443,750	1,450,645	1,443,750	(6,895)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	2,745,384	—	—	2,745,384	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	2,747,719	2,765,246	2,747,719	(17,527)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,565,902	—	—	1,565,902	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,566,000	1,573,520	1,566,000	(7,520)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	1,701,808	—	—	1,701,808	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	1,704,625	1,701,896	1,704,625	2,729
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	2,965,115	—	—	2,965,115	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	2,967,719	3,010,990	2,967,719	(43,271)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	2,973,607	—	—	2,973,607	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	2,974,906	2,981,681	2,974,906	(6,775)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,606,327	—	—	4,606,327	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,610,250	4,658,905	4,610,250	(48,655)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,701,856	—	—	4,701,856	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,705,875	4,606,327	4,705,875	99,548
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,670,895	—	—	4,670,895	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,686,750	4,701,856	4,686,750	(15,106)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,554,352	—	—	4,554,352	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,555,125	4,670,895	4,555,125	(115,770)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,519,871	—	—	4,519,871	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,541,625	4,554,352	4,541,625	(12,727)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,374,718	—	—	4,374,718	—
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,376,250	4,519,871	4,376,250	(143,621)
U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,381,710	—	—	4,381,710	—

U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	4,394,250	4,374,718	4,394,250	19,532
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	2,065,435	—	—	2,065,435	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	2,069,082	—	—	2,069,082	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	2,069,381	2,066,752	2,069,381	2,629
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,797,558	—	—	1,797,558	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,797,606	1,797,202	1,797,606	404
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,810,904	—	—	1,810,904	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,810,922	1,803,458	1,810,922	7,464
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,527,561	—	—	1,527,561	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,527,580	1,526,003	1,527,580	1,577
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,671,114	—	—	1,671,114	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,671,190	1,665,976	1,671,190	5,214
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,812,706	—	—	1,812,706	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,812,789	1,810,860	1,812,789	1,929
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,794,887	—	—	1,794,887	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,795,053	1,810,860	1,795,053	(15,807)
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	2,076,387	—	—	2,076,387	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	2,076,619	2,073,483	2,076,619	3,136
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	1,930,882	—	—	1,930,882	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	1,931,157	1,937,961	1,931,157	(6,804)
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	2,040,771	—	—	2,040,771	—
US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	2,040,996	2,083,466	2,040,996	(42,470)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,752,833	—	—	4,752,833	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,756,813	4,670,207	4,756,813	86,606
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,963,288	—	—	4,963,288	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,982,250	5,005,276	4,982,250	(23,026)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,931,360	—	—	4,931,360	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,935,938	4,963,288	4,935,938	(27,350)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,914,773	—	—	4,914,773	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,918,875	4,931,360	4,918,875	(12,485)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	5,008,339	—	—	5,008,339	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	5,032,219	4,914,773	5,032,219	117,446
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,887,797	5,008,339	4,887,797	(120,542)
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	4,879,875	—	—	4,879,875	—
U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	4,876,611	4,879,875	4,876,611	(3,264)

U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,035,856	—	—	2,035,856	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,032,323	—	—	2,032,323	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	2,033,944	2,034,090	2,033,944	(146)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,009,676	—	—	2,009,676	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	2,011,472	2,034,090	2,011,472	(22,618)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,014,879	—	—	2,014,879	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	2,015,775	2,009,676	2,015,775	6,099
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,993,006	—	—	1,993,006	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,994,738	2,014,879	1,994,738	(20,141)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	2,030,882	—	—	2,030,882	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	2,040,638	1,993,006	2,040,638	47,632
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,546,925	—	—	1,546,925	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,547,109	1,632,670	1,547,109	(85,561)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,288,955	—	—	1,288,955	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,289,109	1,309,472	1,289,109	(20,363)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,905,135	—	—	1,905,135	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,906,284	1,924,621	1,906,284	(18,337)
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,904,524	—	—	1,904,524	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,905,328	1,905,135	1,905,328	193
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,292,841	—	—	1,292,841	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,293,294	1,282,130	1,293,294	11,164
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,432,065	—	—	1,432,065	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,432,275	1,414,520	1,432,275	17,755
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,909,333	—	—	1,909,333	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,910,109	1,908,276	1,910,109	1,833
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,870,881	—	—	1,870,881	—
U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	1,876,163	1,909,333	1,876,163	(33,170)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	3,019,870	—	—	3,019,870	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	3,021,000	3,040,203	3,021,000	(19,203)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	3,037,518	—	—	3,037,518	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	3,039,750	3,040,203	3,039,750	(453)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	2,526,560	—	—	2,526,560	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	2,528,125	2,532,384	2,528,125	(4,259)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	2,048,751	—	—	2,048,751	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	2,049,000	2,023,966	2,049,000	25,034

U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,081,847	—	—	6,081,847	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,087,000	6,096,683	6,087,000	(9,683)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,135,627	—	—	6,135,627	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,157,500	6,081,847	6,157,500	75,653
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,076,870	—	—	6,076,870	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,082,500	6,135,627	6,082,500	(53,127)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,054,954	—	—	6,054,954	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,060,000	6,076,870	6,060,000	(16,870)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,173,139	—	—	6,173,139	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,202,500	6,054,954	6,202,500	147,546
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,027,750	6,173,139	6,027,750	(145,389)
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	6,015,000	—	—	6,015,000	—
U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	6,010,987	6,015,000	6,010,987	(4,013)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,099,286	—	—	4,099,286	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,102,656	4,033,715	4,102,656	68,941
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,164,566	—	—	4,164,566	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,185,781	4,099,286	4,185,781	86,495
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,135,304	—	—	4,135,304	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,138,750	4,164,566	4,138,750	(25,816)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,209,387	—	—	4,209,387	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,209,844	4,135,304	4,209,844	74,540
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,210,215	—	—	4,210,215	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,212,031	4,209,387	4,212,031	2,644
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,192,118	—	—	4,192,118	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,194,531	4,210,215	4,194,531	(15,684)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,211,800	—	—	4,211,800	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,213,125	4,192,118	4,213,125	21,007
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,207,158	—	—	4,207,158	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,213,125	4,211,800	4,213,125	1,325
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,188,803	—	—	4,188,803	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,191,250	4,207,158	4,191,250	(15,908)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,157,750	—	—	4,157,750	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,160,625	4,188,803	4,160,625	(28,178)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	1,276,762	—	—	1,276,762	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	1,277,719	1,306,722	1,277,719	(29,003)

U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	2,740,067	—	—	2,740,067	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	2,740,500	2,830,485	2,740,500	(89,985)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	3,007,487	—	—	3,007,487	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	3,008,578	3,054,611	3,008,578	(46,033)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	2,993,107	—	—	2,993,107	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	3,001,953	3,021,310	3,001,953	(19,357)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,315,913	—	—	4,315,913	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,317,188	4,247,236	4,317,188	69,952
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,251,293	—	—	4,251,293	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,255,078	4,315,913	4,255,078	(60,835)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,204,207	—	—	4,204,207	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	4,218,750	4,251,293	4,218,750	(32,543)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	1,641,504	—	—	1,641,504	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	1,514,906	—	—	1,514,906	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	1,139,000	—	—	1,139,000	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	1,137,306	—	—	1,137,306	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	1,137,375	1,136,308	1,137,375	1,067
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	1,140,750	1,136,667	1,140,750	4,083
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,036,521	—	—	2,036,521	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,039,500	2,022,375	2,039,500	17,125
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,156,393	—	—	3,156,393	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,157,031	3,165,250	3,157,031	(8,219)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,141,074	—	—	3,141,074	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,141,406	3,165,250	3,141,406	(23,844)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,095,149	—	—	3,095,149	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,095,313	3,141,074	3,095,313	(45,761)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,100,745	—	—	3,100,745	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,101,563	3,095,149	3,101,563	6,414
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,130,393	—	—	3,130,393	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,132,813	3,100,745	3,132,813	32,068
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,010,411	—	—	3,010,411	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,010,938	3,130,393	3,010,938	(119,455)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,992,546	—	—	2,992,546	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,993,750	3,010,411	2,993,750	(16,661)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,978,085	—	—	2,978,085	—

U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,987,500	2,992,546	2,987,500	(5,046)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,954,000	—	—	6,954,000	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	5,105,434	—	—	5,105,434	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	5,105,625	5,087,166	5,105,625	18,459
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,932,327	—	—	6,932,327	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	6,932,625	6,916,709	6,932,625	15,916
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,934,316	—	—	6,934,316	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	6,936,188	6,927,565	6,936,188	8,623
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,508,391	—	—	9,508,391	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,550,312	—	—	9,550,312	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,551,594	9,559,055	9,551,594	(7,461)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,560,462	—	—	9,560,462	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,563,938	9,554,765	9,563,938	9,173
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,921,221	—	—	6,921,221	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	6,923,719	6,895,961	6,923,719	27,758
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	3,031,847	—	—	3,031,847	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	3,032,813	3,028,467	3,032,813	4,346
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	6,900,965	—	—	6,900,965	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,563,387	—	—	9,563,387	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	6,927,281	6,903,188	6,927,281	24,093
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,566,406	9,571,613	9,566,406	(5,207)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,987,756	—	—	2,987,756	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,990,625	3,027,369	2,990,625	(36,744)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,370,795	—	—	9,370,795	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,373,844	9,547,048	9,373,844	(173,204)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,412,306	—	—	9,412,306	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,415,813	9,460,564	9,415,813	(44,751)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	2,953,873	—	—	2,953,873	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,363,525	—	—	9,363,525	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	2,964,844	2,974,965	2,964,844	(10,121)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,363,969	9,436,885	9,363,969	(72,916)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,395,624	—	—	9,395,624	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,396,063	9,390,539	9,396,063	5,524
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,397,199	—	—	9,397,199	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,398,531	9,393,034	9,398,531	5,497

U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	9,385,604	—	—	9,385,604	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	9,388,656	9,395,078	9,388,656	(6,422)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	7,488,780	—	—	7,488,780	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	7,508,000	7,607,436	7,508,000	(99,436)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	3,986,322	—	—	3,986,322	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	3,989,775	3,903,856	3,989,775	85,919
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,048,712	—	—	4,048,712	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,070,775	4,002,818	4,070,775	67,957
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,046,027	—	—	4,046,027	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,049,650	4,031,944	4,049,650	17,706
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,114,641	—	—	4,114,641	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,116,315	4,048,095	4,116,315	68,220
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,539,765	—	—	4,539,765	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,562,434	4,573,648	4,562,434	(11,214)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,337,372	—	—	4,337,372	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,351,345	4,573,648	4,351,345	(222,303)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,536,709	—	—	4,536,709	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,538,184	4,485,003	4,538,184	53,181
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,469,574	—	—	4,469,574	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,473,959	4,531,286	4,473,959	(57,327)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,418,148	—	—	4,418,148	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	4,434,966	4,476,046	4,434,966	(41,080)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	3,028,008	—	—	3,028,008	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	3,051,328	—	—	3,051,328	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	3,053,438	3,028,008	3,053,438	25,430
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	3,075,232	—	—	3,075,232	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	3,075,938	3,064,134	3,075,938	11,804
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	2,674,312	—	—	2,674,312	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	2,674,750	2,653,181	2,674,750	21,569
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	2,662,305	—	—	2,662,305	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	2,662,563	2,674,312	2,662,563	(11,749)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	2,622,333	—	—	2,622,333	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	2,623,563	2,662,305	2,623,563	(38,742)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	1,906,208	—	—	1,906,208	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	1,906,531	1,915,172	1,906,531	(8,641)

U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	1,501,172	—	—	1,501,172	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	3,113,246	—	—	3,113,246	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	3,113,563	3,111,828	3,113,563	1,735
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	4,044,188	—	—	4,044,188	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	4,044,906	4,117,061	4,044,906	(72,155)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	4,058,850	—	—	4,058,850	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	4,059,000	4,044,188	4,059,000	14,812
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	9,122,426	—	—	9,122,426	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	9,128,125	8,811,257	9,128,125	316,868
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,886,344	—	—	8,886,344	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,908,344	8,824,956	8,908,344	83,388
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	9,108,092	—	—	9,108,092	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	9,110,875	9,183,815	9,110,875	(72,940)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,987,700	—	—	8,987,700	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,993,000	9,108,092	8,993,000	(115,092)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	9,243,557	—	—	9,243,557	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	9,248,875	8,987,700	9,248,875	261,175
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	9,218,143	—	—	9,218,143	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	9,237,375	9,243,557	9,237,375	(6,182)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,989,192	—	—	8,989,192	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,990,125	9,218,143	8,990,125	(228,018)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,926,408	—	—	8,926,408	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,952,750	8,989,192	8,952,750	(36,442)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,587,696	—	—	8,587,696	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	8,607,750	8,926,408	8,607,750	(318,658)
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	1,181,274	—	—	1,181,274	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	1,182,000	1,167,173	1,182,000	14,827
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	1,195,935	—	—	1,195,935	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	1,196,625	1,177,923	1,196,625	18,702
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	1,177,856	—	—	1,177,856	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	1,182,000	1,189,299	1,182,000	(7,299)
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	1,174,213	—	—	1,174,213	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	1,174,500	1,182,238	1,174,500	(7,738)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	4,982,475	—	—	4,982,475	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	4,986,000	5,017,439	4,986,000	(31,439)

U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	5,073,545	—	—	5,073,545	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	5,095,500	4,998,582	5,095,500	96,918
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	1,602,940	—	—	1,602,940	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	1,605,000	1,581,611	1,605,000	23,389
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	1,237,317	—	—	1,237,317	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	1,237,525	1,247,566	1,237,525	(10,041)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	1,245,889	—	—	1,245,889	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	1,246,006	1,245,949	1,246,006	57
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	1,241,469	—	—	1,241,469	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	1,242,319	1,245,939	1,242,319	(3,620)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,122,522	—	—	2,122,522	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,123,125	2,110,790	2,123,125	12,335
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	5,028,916	—	—	5,028,916	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	5,032,500	5,073,426	5,032,500	(40,926)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,068,190	—	—	2,068,190	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,076,875	2,100,467	2,076,875	(23,592)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	5,125,351	—	—	5,125,351	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	5,127,000	5,020,409	5,127,000	106,591
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	5,042,413	—	—	5,042,413	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	5,061,000	5,089,336	5,061,000	(28,336)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,090,066	—	—	2,090,066	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,090,625	2,108,110	2,090,625	(17,485)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,721,514	—	—	2,721,514	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,721,875	2,818,403	2,721,875	(96,528)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	2,701,793	—	—	2,701,793	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	2,702,613	2,783,689	2,702,613	(81,076)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,501,401	—	—	7,501,401	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	7,519,738	7,687,504	7,519,738	(167,766)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,651,176	—	—	7,651,176	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	7,652,975	7,501,401	7,652,975	151,574
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,535,441	—	—	7,535,441	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	7,540,775	7,651,176	7,540,775	(110,401)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,455,558	—	—	7,455,558	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	7,475,325	7,535,441	7,475,325	(60,116)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	3,435,983	—	—	3,435,983	—

U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	3,437,188	3,366,069	3,437,188	71,119
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	3,366,220	—	—	3,366,220	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	3,379,813	3,435,983	3,379,813	(56,170)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,613,223	—	—	2,613,223	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,617,063	2,588,110	2,617,063	28,953
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,620,781	—	—	2,620,781	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,621,125	2,613,223	2,621,125	7,902
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	1,528,872	—	—	1,528,872	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	1,529,063	1,511,989	1,529,063	17,074
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,649,334	—	—	2,649,334	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,649,563	2,637,664	2,649,563	11,899
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,658,096	—	—	2,658,096	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,664,188	2,649,334	2,664,188	14,854
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,593,756	—	—	2,593,756	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,595,125	2,658,096	2,595,125	(62,971)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,505,829	—	—	2,505,829	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,506,563	2,593,756	2,506,563	(87,193)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,492,040	—	—	2,492,040	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,497,625	2,505,829	2,497,625	(8,204)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	1,858,641	—	—	1,858,641	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	1,859,031	1,821,106	1,859,031	37,925
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,023,254	—	—	2,023,254	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,024,531	2,043,118	2,024,531	(18,587)
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,479,006	—	—	2,479,006	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	2,484,625	2,509,710	2,484,625	(25,085)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	6,441,297	—	—	6,441,297	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	6,446,344	6,552,744	6,446,344	(106,400)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	6,555,421	—	—	6,555,421	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	6,587,063	6,441,297	6,587,063	145,766
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	6,950,392	—	—	6,950,392	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	6,955,906	7,012,202	6,955,906	(56,296)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	7,058,198	—	—	7,058,198	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	7,085,531	6,949,519	7,085,531	136,012
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	4,189,127	—	—	4,189,127	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	4,205,281	4,264,958	4,205,281	(59,677)

U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	2,698,405	—	—	2,698,405	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,699,250	2,740,083	2,699,250	(40,833)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	3,504,797	—	—	3,504,797	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	3,506,000	3,634,115	3,506,000	(128,115)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	3,486,282	—	—	3,486,282	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	3,496,000	3,574,142	3,496,000	(78,142)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,299,664	2,318,791	2,299,664	(19,127)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	2,302,781	—	—	2,302,781	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,315,578	2,313,918	2,315,578	1,660
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,299,472	2,313,918	2,299,472	(14,446)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	1,105,000	—	—	1,105,000	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	1,215,500	—	—	1,215,500	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	1,104,948	1,102,713	1,104,948	2,235
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	1,213,837	1,213,712	1,213,837	125
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	1,099,375	—	—	1,099,375	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	1,102,188	—	—	1,102,188	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	1,102,016	1,103,054	1,102,016	(1,038)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	2,716,351	—	—	2,716,351	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	2,722,656	2,755,149	2,722,656	(32,493)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,327,999	—	—	2,327,999	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,328,125	2,325,897	2,328,125	2,228
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,344,868	—	—	2,344,868	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,345,000	2,327,999	2,345,000	17,001
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,110,624	—	—	2,110,624	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,117,813	2,111,258	2,117,813	6,555
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,326,188	—	—	2,326,188	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,328,125	2,345,208	2,328,125	(17,083)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,315,771	—	—	2,315,771	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,317,500	2,326,188	2,317,500	(8,688)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,371,312	—	—	2,371,312	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,381,250	2,315,771	2,381,250	65,479
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,223,046	—	—	2,223,046	—
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	2,229,375	2,303,297	2,229,375	(73,922)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	3,952,212	—	—	3,952,212	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	3,971,406	3,955,937	3,971,406	15,469

U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,472,770	—	—	5,472,770	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,476,847	5,321,424	5,476,847	155,423
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,416,015	—	—	5,416,015	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,434,163	5,408,250	5,434,163	25,913
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,372,366	—	—	5,372,366	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,376,759	5,412,705	5,376,759	(35,946)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,008,143	—	—	4,008,143	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,015,156	4,004,983	4,015,156	10,173
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,347,818	—	—	5,347,818	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,351,738	5,391,376	5,351,738	(39,638)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	5,478,759	—	—	5,478,759	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	5,500,397	5,366,387	5,500,397	134,010
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,000,559	—	—	4,000,559	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,002,031	4,035,666	4,002,031	(33,635)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,058,370	—	—	4,058,370	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,060,000	4,020,700	4,060,000	39,300
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	2,449,055	—	—	2,449,055	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	2,449,781	2,422,055	2,449,781	27,726
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,623,139	—	—	1,623,139	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	2,445,227	—	—	2,445,227	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,623,563	1,618,949	1,623,563	4,614
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	2,448,469	2,429,495	2,448,469	18,974
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,637,420	—	—	1,637,420	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,638,000	1,622,346	1,638,000	15,654
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,284,527	—	—	1,284,527	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,284,594	1,276,720	1,284,594	7,874
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,598,701	—	—	1,598,701	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	1,603,367	—	—	1,603,367	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,603,438	1,626,248	1,603,438	(22,810)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	1,599,500	1,622,346	1,599,500	(22,846)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,057,788	—	—	4,057,788	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,060,000	4,045,785	4,060,000	14,215
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	4,028,961	—	—	4,028,961	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	4,031,563	4,050,902	4,031,563	(19,339)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	9,065,566	—	—	9,065,566	—

U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	9,066,919	9,480,318	9,066,919	(413,399)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,997,129	—	—	8,997,129	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	9,000,213	9,065,566	9,000,213	(65,353)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,947,065	—	—	8,947,065	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	8,971,991	8,997,129	8,971,991	(25,138)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	9,125,986	—	—	9,125,986	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	9,128,494	8,947,065	9,128,494	181,429
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,985,064	—	—	8,985,064	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	8,992,516	9,125,986	8,992,516	(133,470)
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,887,209	—	—	8,887,209	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	8,915,547	8,985,064	8,915,547	(69,517)
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	1,265,177	—	—	1,265,177	—
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	1,270,557	—	—	1,270,557	—
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	1,270,706	1,265,177	1,270,706	5,529
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	1,245,627	—	—	1,245,627	—
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	1,245,925	1,270,557	1,245,925	(24,632)
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	1,262,745	—	—	1,262,745	—
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	1,263,463	1,245,627	1,263,463	17,836
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	1,204,178	1,262,745	1,204,178	(58,567)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	30,165,750	—	—	30,165,750	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	30,241,704	—	—	30,241,704	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	30,256,875	30,348,075	30,256,875	(91,200)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	28,942,712	—	—	28,942,712	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	28,998,750	30,241,704	28,998,750	(1,242,954)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	6,440,364	—	—	6,440,364	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	6,450,233	—	—	6,450,233	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	6,450,713	6,308,337	6,450,713	142,376
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	5,738,730	—	—	5,738,730	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	5,739,900	5,625,967	5,739,900	113,933
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	29,337,765	—	—	29,337,765	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	29,340,000	28,935,884	29,340,000	404,116
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	5,748,830	—	—	5,748,830	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	5,749,838	5,710,765	5,749,838	39,073
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	29,039,149	—	—	29,039,149	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	29,054,750	29,304,011	29,054,750	(249,261)

U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	5,262,458	—	—	5,262,458	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	5,263,425	5,317,013	5,263,425	(53,588)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	3,948,288	—	—	3,948,288	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	1,331,907	—	—	1,331,907	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	1,332,188	1,336,048	1,332,188	(3,860)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	3,954,069	3,972,036	3,954,069	(17,967)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	28,766,030	—	—	28,766,030	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	28,820,438	29,010,415	28,820,438	(189,977)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,690,566	—	—	1,690,566	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,691,732	1,701,703	1,691,732	(9,971)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,642,224	—	—	1,642,224	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,642,371	1,613,135	1,642,371	29,236
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,749,546	—	—	1,749,546	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,749,853	1,733,012	1,749,853	16,841
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,817,197	—	—	1,817,197	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,817,796	1,847,013	1,817,796	(29,217)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,853,245	—	—	1,853,245	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,853,830	1,833,202	1,853,830	20,628
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,648,880	—	—	1,648,880	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,649,257	1,637,794	1,649,257	11,463
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,534,124	—	—	1,534,124	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,534,342	1,539,577	1,534,342	(5,235)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,332,678	—	—	1,332,678	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,332,923	1,332,115	1,332,923	808
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,751,783	—	—	1,751,783	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,751,946	1,750,698	1,751,946	1,248
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,440,878	—	—	1,440,878	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,442,271	1,437,485	1,442,271	4,786
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	2,171,416	—	—	2,171,416	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	2,171,841	2,200,820	2,171,841	(28,979)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	2,189,103	—	—	2,189,103	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	2,190,347	2,178,609	2,190,347	11,738
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	2,085,074	—	—	2,085,074	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	2,085,258	2,186,536	2,085,258	(101,278)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,289,911	—	—	1,289,911	—

U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,290,755	1,311,827	1,290,755	(21,072)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,867,934	—	—	1,867,934	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,868,322	1,888,837	1,868,322	(20,515)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,768,620	—	—	1,768,620	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,770,439	1,778,612	1,770,439	(8,173)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,211,182	—	—	1,211,182	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,211,295	1,190,721	1,211,295	20,574
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,782,123	—	—	1,782,123	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,782,931	1,794,625	1,782,931	(11,694)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,551,245	—	—	1,551,245	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	1,553,836	1,580,869	1,553,836	(27,033)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,441,711	—	—	4,441,711	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,453,458	4,282,280	4,453,458	171,178
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,392,534	—	—	4,392,534	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,395,603	4,413,394	4,395,603	(17,791)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,372,223	—	—	4,372,223	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,374,940	4,396,239	4,374,940	(21,299)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,492,519	—	—	4,492,519	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,507,180	4,376,489	4,507,180	130,691
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,260,078	—	—	4,260,078	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,260,608	4,471,911	4,260,608	(211,303)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,226,346	—	—	4,226,346	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,227,548	4,267,139	4,227,548	(39,591)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,202,809	—	—	4,202,809	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,212,395	4,227,705	4,212,395	(15,310)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,294,121	—	—	4,294,121	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,295,045	4,203,639	4,295,045	91,406
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,224,807	—	—	4,224,807	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,227,548	4,291,105	4,227,548	(63,557)
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,181,747	—	—	4,181,747	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	4,191,733	4,227,017	4,191,733	(35,284)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,342,459	—	—	2,342,459	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,343,125	2,386,573	2,343,125	(43,448)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,425,877	—	—	1,425,877	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,426,688	1,425,845	1,426,688	843

U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,037,936	—	—	2,037,936	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,038,125	2,036,369	2,038,125	1,756
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,361,135	—	—	2,361,135	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,361,813	2,343,391	2,361,813	18,422
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,373,805	—	—	2,373,805	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,374,031	2,361,135	2,374,031	12,896
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,380,442	—	—	2,380,442	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,381,219	2,373,805	2,381,219	7,414
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,386,425	—	—	2,386,425	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,386,969	2,380,442	2,386,969	6,527
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,408,311	—	—	2,408,311	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,408,531	2,386,425	2,408,531	22,106
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,410,870	—	—	2,410,870	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,411,406	2,408,311	2,411,406	3,095
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	2,415,406	—	—	2,415,406	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	2,415,719	2,410,870	2,415,719	4,849
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,226,427	—	—	1,226,427	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,226,625	1,260,212	1,226,625	(33,587)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,235,887	—	—	1,235,887	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,236,000	1,226,427	1,236,000	9,573
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,230,714	—	—	1,230,714	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,231,125	1,235,887	1,231,125	(4,762)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,231,527	—	—	1,231,527	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,231,875	1,230,714	1,231,875	1,161
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,246,153	—	—	1,246,153	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,246,500	1,231,527	1,246,500	14,973
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,227,640	—	—	1,227,640	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,227,750	1,246,153	1,227,750	(18,403)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,218,721	—	—	1,218,721	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,219,500	1,227,640	1,219,500	(8,140)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,250,028	—	—	1,250,028	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,250,250	1,218,721	1,250,250	31,529
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,232,829	—	—	1,232,829	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,233,000	1,250,028	1,233,000	(17,028)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,248,456	—	—	1,248,456	—

U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,248,750	1,232,829	1,248,750	15,921
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,229,471	—	—	1,229,471	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,233,327	—	—	1,233,327	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,230,000	1,233,327	1,230,000	(3,327)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,233,375	1,256,786	1,233,375	(23,411)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,249,275	—	—	1,249,275	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,249,875	1,229,471	1,249,875	20,404
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,236,145	—	—	1,236,145	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,236,375	1,249,275	1,236,375	(12,900)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,221,604	—	—	1,221,604	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,221,750	1,236,145	1,221,750	(14,395)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,212,505	—	—	1,212,505	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,216,500	1,221,604	1,216,500	(5,104)
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	1,164,106	—	—	1,164,106	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	1,164,375	1,212,505	1,164,375	(48,130)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,713,395	—	—	2,713,395	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,697,839	—	—	2,697,839	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,698,263	2,713,395	2,698,263	(15,132)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,735,353	—	—	2,735,353	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,736,588	2,697,839	2,736,588	38,749
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,613,114	—	—	2,613,114	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,613,400	2,735,353	2,613,400	(121,953)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,590,852	—	—	2,590,852	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,591,500	2,613,114	2,591,500	(21,614)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,577,262	—	—	2,577,262	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,582,375	2,590,852	2,582,375	(8,477)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,635,738	—	—	2,635,738	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,636,213	2,577,262	2,636,213	58,951
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,592,831	—	—	2,592,831	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,594,238	2,635,738	2,594,238	(41,500)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,566,499	—	—	2,566,499	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	2,571,425	2,592,831	2,571,425	(21,406)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	2,349,518	—	—	2,349,518	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	2,325,117	—	—	2,325,117	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	2,325,672	2,349,518	2,325,672	(23,846)

U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	1,276,176	—	—	1,276,176	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	3,632,140	—	—	3,632,140	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	3,633,863	3,601,293	3,633,863	32,570
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	3,468,566	—	—	3,468,566	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	3,468,963	3,632,140	3,468,963	(163,177)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	3,440,176	—	—	3,440,176	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	3,441,075	3,468,566	3,441,075	(27,491)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	1,498,523	—	—	1,498,523	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	4,919,861	—	—	4,919,861	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	4,929,581	4,938,699	4,929,581	(9,118)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	5,033,310	—	—	5,033,310	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	5,034,206	4,919,861	5,034,206	114,345
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	4,949,595	—	—	4,949,595	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	4,952,250	5,033,310	4,952,250	(81,060)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	1,503,039	1,507,769	1,503,039	(4,730)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	1,502,375	—	—	1,502,375	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	1,502,286	1,505,767	1,502,286	(3,481)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	2,529,731	—	—	2,529,731	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	2,534,400	2,550,946	2,534,400	(16,546)
U S TREASURY BOND 2.875% 11/15/2046 DD 11/15/16	1,797,274	—	—	1,797,274	—
U S TREASURY BOND 2.875% 11/15/2046 DD 11/15/16	—	1,802,306	1,803,912	1,802,306	(1,606)
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	1,121,828	—	—	1,121,828	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	1,140,711	—	—	1,140,711	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	—	1,140,667	1,131,006	1,140,667	9,661
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	1,152,284	—	—	1,152,284	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	—	1,152,136	1,140,409	1,152,136	11,727
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	1,138,583	—	—	1,138,583	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	—	1,138,437	1,152,284	1,138,437	(13,847)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	4,548,164	—	—	4,548,164	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	2,530,818	—	—	2,530,818	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	7,138,273	—	—	7,138,273	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,531,250	2,526,758	2,531,250	4,492
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	6,406,979	—	—	6,406,979	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	6,408,281	6,369,503	6,408,281	38,778
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,574,113	—	—	11,574,113	—

U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,574,625	11,651,043	11,574,625	(76,418)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,555,506	—	—	11,555,506	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,556,500	11,651,043	11,556,500	(94,543)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,540,537	—	—	11,540,537	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,542,000	11,555,506	11,542,000	(13,506)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,537,868	—	—	11,537,868	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,538,375	11,540,537	11,538,375	(2,162)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,512,470	—	—	11,512,470	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,513,000	11,537,868	11,513,000	(24,868)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,476,219	—	—	11,476,219	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,476,750	11,512,470	11,476,750	(35,720)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,467,438	—	—	11,467,438	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,469,500	11,476,219	11,469,500	(6,719)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,487,104	—	—	11,487,104	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,487,625	11,467,438	11,487,625	20,187
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	11,567,979	—	—	11,567,979	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	11,571,000	11,487,104	11,571,000	83,896
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,662,945	—	—	1,662,945	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	2,527,291	—	—	2,527,291	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,527,688	2,583,748	2,527,688	(56,060)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	4,999,816	5,052,861	4,999,816	(53,045)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,751,826	—	—	9,751,826	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,577,800	—	—	1,577,800	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,577,725	1,590,027	1,577,725	(12,302)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,752,738	9,866,067	9,752,738	(113,329)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,652,423	—	—	9,652,423	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,655,113	9,654,210	9,655,113	903
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,740,239	—	—	9,740,239	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,743,372	9,750,039	9,743,372	(6,667)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,862,346	—	—	9,862,346	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,868,247	9,740,239	9,868,247	128,008
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,736,782	—	—	9,736,782	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,740,250	9,862,346	9,740,250	(122,096)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,916,896	—	—	9,916,896	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,924,441	9,736,782	9,924,441	187,659

U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	7,775,292	—	—	7,775,292	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	7,775,625	7,742,922	7,775,625	32,703
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,538,625	—	—	9,538,625	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,539,053	9,550,898	9,539,053	(11,845)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,818,443	—	—	9,818,443	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,818,916	9,837,525	9,818,916	(18,609)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,827,219	—	—	9,827,219	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,827,663	9,917,913	9,827,663	(90,250)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,901,188	—	—	9,901,188	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,902,588	9,827,219	9,902,588	75,369
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,902,107	—	—	9,902,107	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,902,588	9,901,188	9,902,588	1,400
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,920,845	—	—	9,920,845	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,921,319	9,902,107	9,921,319	19,212
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	10,048,873	—	—	10,048,873	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	10,049,316	9,920,845	10,049,316	128,471
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	10,023,909	—	—	10,023,909	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	10,024,341	10,048,873	10,024,341	(24,532)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,935,599	—	—	9,935,599	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,936,928	10,023,909	9,936,928	(86,981)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,980,182	—	—	9,980,182	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,980,634	9,935,599	9,980,634	45,035
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,526,637	—	—	9,526,637	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,527,066	9,580,575	9,527,066	(53,509)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	9,908,390	—	—	9,908,390	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	9,908,831	9,926,244	9,908,831	(17,413)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	10,040,299	—	—	10,040,299	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	10,002,128	—	—	10,002,128	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	10,002,488	9,908,390	10,002,488	94,098
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	10,049,316	10,002,128	10,049,316	47,188
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,163,775	1,185,941	1,163,775	(22,166)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,167,463	—	—	1,167,463	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,323,863	2,367,517	2,323,863	(43,654)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,167,098	1,183,759	1,167,098	(16,661)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	2,319,438	—	—	2,319,438	—

U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,318,796	2,354,638	2,318,796	(35,842)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,675,781	2,733,774	2,675,781	(57,993)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	3,620,966	—	—	3,620,966	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	2,656,944	—	—	2,656,944	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	3,621,888	3,657,378	3,621,888	(35,490)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	2,656,513	2,701,136	2,656,513	(44,623)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,263,595	1,259,042	1,263,595	4,553
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,269,844	—	—	1,269,844	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,269,544	1,259,042	1,269,544	10,502
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,294,309	—	—	1,294,309	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,294,356	1,308,543	1,294,356	(14,187)
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	1,187,254	—	—	1,187,254	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	1,187,300	1,197,718	1,187,300	(10,418)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,394,075	—	—	1,394,075	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,394,313	1,396,406	1,394,313	(2,093)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,194,424	—	—	1,194,424	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	2,798,975	—	—	2,798,975	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	2,799,125	2,786,167	2,799,125	12,958
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,977,289	—	—	3,977,289	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,977,500	3,993,399	3,977,500	(15,899)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,862,973	—	—	4,862,973	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,863,250	4,868,231	4,863,250	(4,981)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,908,685	—	—	4,908,685	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,199,156	1,202,127	1,199,156	(2,971)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,909,188	4,862,973	4,909,188	46,215
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,399,453	1,402,482	1,399,453	(3,029)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,498,594	1,502,659	1,498,594	(4,065)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,268,139	—	—	1,268,139	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,268,244	1,285,975	1,268,244	(17,731)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,522,796	—	—	1,522,796	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,523,219	1,536,196	1,523,219	(12,977)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,543,756	—	—	3,543,756	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,543,906	3,564,516	3,543,906	(20,610)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,105,513	—	—	1,105,513	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,497,200	—	—	3,497,200	—

U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,497,656	3,520,478	3,497,656	(22,822)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,148,943	—	—	1,148,943	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,553,445	—	—	4,553,445	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,553,650	4,625,991	4,553,650	(72,341)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,445,674	—	—	4,445,674	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,445,906	4,386,452	4,445,906	59,454
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,745,030	—	—	5,745,030	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,745,309	5,761,609	5,745,309	(16,300)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,630,473	—	—	5,630,473	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,630,747	5,745,030	5,630,747	(114,283)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,658,574	—	—	5,658,574	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,659,388	5,630,473	5,659,388	28,915
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,142,610	—	—	4,142,610	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,142,813	4,167,526	4,142,813	(24,713)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,166,517	—	—	4,166,517	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,166,719	4,149,175	4,166,719	17,544
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,193,302	—	—	5,193,302	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,154,188	5,172,231	5,154,188	(18,043)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,651,771	—	—	5,651,771	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,653,659	5,633,214	5,653,659	20,445
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,962,486	—	—	3,962,486	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,962,719	3,964,455	3,962,719	(1,736)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,424,759	—	—	4,424,759	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,425,000	4,425,438	4,425,000	(438)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,385,783	—	—	4,385,783	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,196,153	—	—	1,196,153	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,386,000	4,425,438	4,386,000	(39,438)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,196,603	1,207,776	1,196,603	(11,173)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	4,409,369	—	—	4,409,369	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	4,410,000	4,425,438	4,410,000	(15,438)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,145,915	—	—	3,145,915	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,146,063	3,134,685	3,146,063	11,378
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	2,299,116	—	—	2,299,116	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	2,299,219	2,304,916	2,299,219	(5,697)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	3,787,213	—	—	3,787,213	—

U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	3,787,375	3,780,062	3,787,375	7,313
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	5,658,671	5,633,214	5,658,671	25,457
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,216,663	—	—	1,216,663	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,216,607	1,216,663	1,216,607	(56)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	1,568,531	—	—	1,568,531	—
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	1,568,267	1,568,531	1,568,267	(264)
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	13,811,888	—	—	13,811,888	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	13,865,453	—	—	13,865,453	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	13,865,950	13,811,888	13,865,950	54,062
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	13,686,710	—	—	13,686,710	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	7,439,567	7,456,488	7,439,567	(16,921)
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	13,688,625	13,865,453	13,688,625	(176,828)
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	6,237,000	6,230,222	6,237,000	6,778
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	13,671,325	—	—	13,671,325	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	13,669,772	13,671,325	13,669,772	(1,553)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	1,863,887	—	—	1,863,887	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	1,863,612	1,862,189	1,863,612	1,423
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	2,566,015	—	—	2,566,015	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	2,565,683	2,557,710	2,565,683	7,973
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	1,480,723	—	—	1,480,723	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	1,788,674	—	—	1,788,674	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,134,357	—	—	3,134,357	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	1,194,644	—	—	1,194,644	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	2,853,078	—	—	2,853,078	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	1,194,559	1,191,133	1,194,559	3,426
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,133,836	3,141,690	3,133,836	(7,854)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	2,852,878	2,852,791	2,852,878	87
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	1,788,407	1,782,715	1,788,407	5,692
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,149,866	—	—	3,149,866	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,148,928	3,158,823	3,148,928	(9,895)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,150,580	—	—	3,150,580	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,150,177	3,159,074	3,150,177	(8,897)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,177,635	—	—	3,177,635	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,177,522	3,158,447	3,177,522	19,075
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,177,635	—	—	3,177,635	—

US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,177,522	3,173,033	3,177,522	4,489
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,167,638	—	—	3,167,638	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,167,533	3,176,531	3,167,533	(8,998)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,176,813	—	—	3,176,813	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,176,523	3,169,771	3,176,523	6,752
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,180,806	—	—	3,180,806	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,180,519	3,175,123	3,180,519	5,396
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,150,682	—	—	3,150,682	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,150,583	3,179,450	3,150,583	(28,867)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,146,982	—	—	3,146,982	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,146,587	3,156,717	3,146,587	(10,130)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,159,257	—	—	3,159,257	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,158,574	3,150,016	3,158,574	8,558
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	3,149,499	—	—	3,149,499	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	3,148,616	3,154,591	3,148,616	(5,975)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	1,275,921	1,292,267	1,275,921	(16,346)
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	2,186,241	—	—	2,186,241	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	2,123,051	—	—	2,123,051	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	1,153,849	—	—	1,153,849	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	2,123,379	—	—	2,123,379	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	1,617,938	—	—	1,617,938	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	7,567,172	—	—	7,567,172	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	1,617,938	—	—	1,617,938	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	—	7,567,969	7,585,791	7,567,969	(17,822)
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	10,823,164	—	—	10,823,164	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	—	10,823,719	10,803,775	10,823,719	19,944
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	—	10,837,512	10,823,164	10,837,512	14,348
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,728,555	—	—	1,728,555	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	4,561,559	—	—	4,561,559	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	6,054,056	—	—	6,054,056	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	1,728,422	1,728,555	1,728,422	(133)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	10,610,832	10,615,616	10,610,832	(4,784)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	9,930,922	—	—	9,930,922	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	6,483,500	—	—	6,483,500	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	16,406,297	16,414,422	16,406,297	(8,125)

U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	4,178,672	—	—	4,178,672	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	4,179,984	4,178,672	4,179,984	1,312
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	2,381,250	—	—	2,381,250	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	2,380,875	2,381,250	2,380,875	(375)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,322,311	—	—	1,322,311	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,401,408	—	—	1,401,408	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	1,322,986	1,322,311	1,322,986	675
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,393,529	—	—	1,393,529	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	1,394,138	1,401,408	1,394,138	(7,270)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	28,305,063	—	—	28,305,063	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	28,295,166	—	—	28,295,166	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	29,761,480	29,690,535	29,761,480	70,945
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	28,296,125	28,303,223	28,296,125	(7,098)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	1,398,544	—	—	1,398,544	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	1,398,391	1,398,544	1,398,391	(153)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	4,876,266	—	—	4,876,266	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	4,875,117	4,876,266	4,875,117	(1,149)
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	4,669,891	—	—	4,669,891	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	4,670,441	4,669,891	4,670,441	550
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	6,185,953	—	—	6,185,953	—
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	6,190,182	—	—	6,190,182	—
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	—	6,190,313	6,190,182	6,190,313	131
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	—	6,177,234	6,185,953	6,177,234	(8,719)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	6,240,938	—	—	6,240,938	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,117,516	3,120,469	3,117,516	(2,953)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,117,516	3,120,469	3,117,516	(2,953)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	6,326,000	—	—	6,326,000	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,163,000	3,163,000	3,163,000	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,163,500	3,163,000	3,163,500	500
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	5,335,664	—	—	5,335,664	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	5,335,031	5,335,664	5,335,031	(633)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	3,945,313	—	—	3,945,313	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,381,242	—	—	1,381,242	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	3,942,500	3,945,313	3,942,500	(2,813)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,381,516	1,381,242	1,381,516	274

U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,365,602	—	—	1,365,602	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,359,224	—	—	1,359,224	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,359,313	1,365,602	1,359,313	(6,289)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,363,068	—	—	1,363,068	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,363,250	1,359,224	1,363,250	4,026
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,362,959	—	—	1,362,959	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,363,688	1,363,068	1,363,688	620
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,365,839	—	—	1,365,839	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,365,875	1,362,959	1,365,875	2,916
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,361,900	—	—	1,361,900	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,361,938	1,365,839	1,361,938	(3,901)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,357,083	—	—	1,357,083	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,357,125	1,361,900	1,357,125	(4,775)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,354,019	—	—	1,354,019	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,354,063	1,357,083	1,354,063	(3,020)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,352,271	—	—	1,352,271	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,352,313	1,354,019	1,352,313	(1,706)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,354,460	—	—	1,354,460	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,354,500	1,352,271	1,354,500	2,229
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,353,148	—	—	1,353,148	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,353,188	1,354,460	1,353,188	(1,272)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,353,784	—	—	1,353,784	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,354,063	1,353,148	1,354,063	915
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	1,335,909	—	—	1,335,909	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	2,831,931	—	—	2,831,931	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	1,336,125	1,353,784	1,336,125	(17,659)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,163,459	—	—	4,163,459	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,163,738	4,167,840	4,163,738	(4,102)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,209,997	—	—	4,209,997	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,210,275	4,163,459	4,210,275	46,816
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,181,277	—	—	4,181,277	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,181,531	4,209,997	4,181,531	(28,466)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,148,436	—	—	4,148,436	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,148,681	4,181,277	4,148,681	(32,596)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,159,800	—	—	4,159,800	—

U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,161,000	4,148,436	4,161,000	12,564
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,137,407	—	—	4,137,407	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,137,731	4,159,800	4,137,731	(22,069)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,156,703	—	—	4,156,703	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,156,894	4,137,407	4,156,894	19,487
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,158,104	—	—	4,158,104	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,158,263	4,156,703	4,158,263	1,560
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,123,918	—	—	4,123,918	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,124,044	4,141,011	4,124,044	(16,967)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,139,982	—	—	4,139,982	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,140,469	4,141,011	4,140,469	(542)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,129,397	—	—	4,129,397	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,129,519	4,139,982	4,129,519	(10,463)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,136,229	—	—	4,136,229	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,136,363	4,132,813	4,136,363	3,550
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,121,168	—	—	4,121,168	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,121,306	4,132,813	4,121,306	(11,507)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,135,962	—	—	4,135,962	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,136,363	4,121,168	4,136,363	15,195
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,149,929	—	—	4,149,929	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,150,050	4,135,962	4,150,050	14,088
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,141,722	—	—	4,141,722	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,141,838	4,149,929	4,141,838	(8,091)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	4,137,621	—	—	4,137,621	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,137,731	4,141,722	4,137,731	(3,991)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	4,143,891	4,137,621	4,143,891	6,270
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	1,673,633	—	—	1,673,633	—
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	1,673,700	1,677,895	1,673,700	(4,195)
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	1,669,711	—	—	1,669,711	—
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	1,670,025	1,673,633	1,670,025	(3,608)
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	1,667,400	1,669,711	1,667,400	(2,311)
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	1,668,975	—	—	1,668,975	—
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	1,668,946	1,668,975	1,668,946	(29)
U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	1,194,333	—	—	1,194,333	—
U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	—	1,194,375	1,193,680	1,194,375	695

U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	—	1,193,859	1,194,333	1,193,859	(474)
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	1,789,875	—	—	1,789,875	—
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	—	1,785,375	1,788,680	1,785,375	(3,305)
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	—	1,789,835	1,789,875	1,789,835	(40)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,353,766	—	—	5,353,766	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,351,684	—	—	5,351,684	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,352,750	5,353,766	5,352,750	(1,016)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	4,638,129	—	—	4,638,129	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	4,639,219	4,631,265	4,639,219	7,954
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,345,120	—	—	5,345,120	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,349,500	5,358,548	5,349,500	(9,048)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,299,916	—	—	5,299,916	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,300,750	5,345,120	5,300,750	(44,370)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,289,217	—	—	5,289,217	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,289,375	5,299,916	5,289,375	(10,541)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,275,201	—	—	5,275,201	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,276,375	5,289,217	5,276,375	(12,842)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,260,614	—	—	5,260,614	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,261,750	5,275,201	5,261,750	(13,451)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,234,741	—	—	5,234,741	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,237,375	5,260,614	5,237,375	(23,239)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	2,299,452	—	—	2,299,452	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	2,300,000	2,315,366	2,300,000	(15,366)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	2,899,022	—	—	2,899,022	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	2,900,000	2,910,500	2,900,000	(10,500)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	2,302,329	—	—	2,302,329	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	2,906,860	—	—	2,906,860	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	2,302,875	2,303,250	2,302,875	(375)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	2,907,250	2,903,584	2,907,250	3,666
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,220,010	—	—	5,220,010	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,224,375	5,209,703	5,224,375	14,672
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,229,132	—	—	5,229,132	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,229,250	5,220,010	5,229,250	9,240
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,230,106	—	—	5,230,106	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,230,875	5,229,132	5,230,875	1,743

U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	5,222,151	—	—	5,222,151	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	5,226,000	5,230,106	5,226,000	(4,106)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	3,704,047	3,715,762	3,704,047	(11,715)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	3,698,844	—	—	3,698,844	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	3,697,688	—	—	3,697,688	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	3,696,724	3,700,014	3,696,724	(3,290)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	3,697,582	3,702,901	3,697,582	(5,319)
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	1,380,065	—	—	1,380,065	—
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	—	1,380,313	1,378,117	1,380,313	2,196
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	1,374,354	—	—	1,374,354	—
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	—	1,374,625	1,378,117	1,374,625	(3,492)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	2,930,641	—	—	2,930,641	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	2,930,641	—	—	2,930,641	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	2,930,641	—	—	2,930,641	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	2,930,641	—	—	2,930,641	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	5,862,734	—	—	5,862,734	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	5,863,125	5,861,281	5,863,125	1,844
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	11,725,429	—	—	11,725,429	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	5,062,547	—	—	5,062,547	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	11,726,250	11,724,015	11,726,250	2,235
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	3,668,203	—	—	3,668,203	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	5,059,914	—	—	5,059,914	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	5,060,156	5,066,194	5,060,156	(6,038)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	3,666,383	—	—	3,666,383	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	3,666,469	3,673,040	3,666,469	(6,571)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	20,464,392	—	—	20,464,392	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	20,464,813	20,443,242	20,464,813	21,571
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	19,563,388	—	—	19,563,388	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	19,564,563	19,570,316	19,564,563	(5,753)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	20,035,450	—	—	20,035,450	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	20,035,875	20,060,231	20,035,875	(24,356)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	20,419,356	—	—	20,419,356	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	10,798,238	10,804,417	10,798,238	(6,179)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	20,419,750	20,432,683	20,419,750	(12,933)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	9,599,770	—	—	9,599,770	—

U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	9,596,619	—	—	9,596,619	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	9,599,969	9,614,940	9,599,969	(14,971)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	9,599,969	9,599,770	9,599,969	199
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	9,585,949	9,596,619	9,585,949	(10,670)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	9,584,813	—	—	9,584,813	—
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	9,581,576	9,584,813	9,581,576	(3,237)
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	1,820,734	—	—	1,820,734	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	1,814,973	—	—	1,814,973	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	1,815,094	1,820,734	1,815,094	(5,640)
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	1,822,168	—	—	1,822,168	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	1,822,219	1,814,973	1,822,219	7,246
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	1,725,639	—	—	1,725,639	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	1,725,750	1,726,264	1,725,750	(514)
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	4,815,625	—	—	4,815,625	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	6,642,831	—	—	6,642,831	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	6,643,406	6,638,111	6,643,406	5,295
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	6,674,402	6,642,831	6,674,402	31,571
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	6,673,594	—	—	6,673,594	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	6,673,376	6,673,594	6,673,376	(218)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,539,020	—	—	5,539,020	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,535,752	—	—	5,535,752	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,536,125	5,539,020	5,536,125	(2,895)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,542,823	—	—	5,542,823	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,543,250	5,535,752	5,543,250	7,498
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,532,539	—	—	5,532,539	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,532,563	5,542,823	5,532,563	(10,260)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,489,679	—	—	5,489,679	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,489,813	5,532,539	5,489,813	(42,726)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,477,326	—	—	5,477,326	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,477,344	5,489,679	5,477,344	(12,335)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,468,244	—	—	5,468,244	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,468,438	5,477,326	5,468,438	(8,888)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,455,815	—	—	5,455,815	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,455,969	5,468,244	5,455,969	(12,275)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,435,852	—	—	5,435,852	—

U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,436,375	5,455,815	5,436,375	(19,440)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,405,906	—	—	5,405,906	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,406,094	5,435,852	5,406,094	(29,758)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,413,033	—	—	5,413,033	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,413,219	5,405,906	5,413,219	7,313
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,427,950	—	—	5,427,950	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,427,469	5,413,033	5,427,469	14,436
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,434,628	—	—	5,434,628	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,434,594	5,427,950	5,434,594	6,644
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,434,734	—	—	5,434,734	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,434,594	5,434,681	5,434,594	(87)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	5,330,681	—	—	5,330,681	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	5,330,500	5,339,336	5,330,500	(8,836)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	4,664,188	4,664,479	4,664,188	(291)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	4,564,500	—	—	4,564,500	—
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	4,564,516	4,565,184	4,564,516	(668)
U S TREASURY NOTE 2.000% 11/15/2026 DD 11/15/16	—	1,289,895	1,277,346	1,289,895	12,549
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,678,431	—	—	2,678,431	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,678,906	2,685,764	2,678,906	(6,858)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,671,522	—	—	2,671,522	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,672,156	2,685,764	2,672,156	(13,608)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,684,228	—	—	2,684,228	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,684,813	2,677,582	2,684,813	7,231
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,003,548	—	—	2,003,548	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,004,375	1,986,222	2,004,375	18,153
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,699,451	—	—	2,699,451	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,700,000	2,691,353	2,700,000	8,647
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,691,012	—	—	2,691,012	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,691,563	2,696,005	2,691,563	(4,442)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,001,476	—	—	2,001,476	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,005,000	1,994,916	2,005,000	10,084
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,696,054	—	—	2,696,054	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,700,844	2,696,905	2,700,844	3,939
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	4,771,602	4,693,761	4,771,602	77,841
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,740,500	—	—	2,740,500	—

U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,030,000	—	—	2,030,000	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	2,031,250	—	—	2,031,250	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,029,417	2,031,250	2,029,417	(1,833)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,737,712	2,740,500	2,737,712	(2,788)
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	2,029,934	2,030,000	2,029,934	(66)
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,320,580	—	—	2,320,580	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,320,413	2,326,074	2,320,413	(5,661)
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,320,923	—	—	2,320,923	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,320,667	2,320,580	2,320,667	87
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,327,501	—	—	2,327,501	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,327,148	2,324,004	2,327,148	3,144
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,334,362	—	—	2,334,362	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,334,338	2,329,460	2,334,338	4,878
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,333,784	—	—	2,333,784	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,333,678	2,331,495	2,333,678	2,183
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,334,993	—	—	2,334,993	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,334,871	2,333,302	2,334,871	1,569
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,341,792	—	—	2,341,792	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,341,787	2,337,686	2,341,787	4,101
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,337,297	—	—	2,337,297	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,337,282	2,337,689	2,337,282	(407)
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,337,597	—	—	2,337,597	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,337,561	2,337,713	2,337,561	(152)
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,343,210	—	—	2,343,210	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,343,160	2,340,670	2,343,160	2,490
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,345,904	—	—	2,345,904	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,345,537	2,343,508	2,345,537	2,029
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,351,986	—	—	2,351,986	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,351,852	2,349,312	2,351,852	2,540
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	2,352,535	—	—	2,352,535	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,349,615	2,349,265	2,349,615	350
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	2,352,596	2,349,195	2,352,596	3,401
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,807,930	—	—	5,807,930	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,808,156	—	—	5,808,156	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	4,406,531	—	—	4,406,531	—

U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	11,864,446	—	—	11,864,446	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	11,866,375	11,816,680	11,866,375	49,695
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	4,215,349	—	—	4,215,349	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	4,215,750	4,218,475	4,215,750	(2,725)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	16,102,047	—	—	16,102,047	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	16,120,000	16,067,256	16,120,000	52,744
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,512,988	2,515,945	2,512,988	(2,957)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,516,406	—	—	2,516,406	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,513,221	2,516,017	2,513,221	(2,796)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,853,906	5,937,800	5,853,906	(83,894)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,846,531	—	—	5,846,531	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,840,900	5,897,912	5,840,900	(57,012)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,881,668	1,899,328	1,881,668	(17,660)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,876,250	—	—	1,876,250	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,875,475	1,893,558	1,875,475	(18,083)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	4,951,357	—	—	4,951,357	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	4,951,563	4,983,048	4,951,563	(31,485)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,648,422	—	—	5,648,422	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,650,125	5,648,984	5,650,125	1,141
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,613,685	—	—	5,613,685	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,614,500	5,648,422	5,614,500	(33,922)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,626,146	—	—	5,626,146	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,626,969	5,613,685	5,626,969	13,284
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,600,339	—	—	5,600,339	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,605,594	5,626,146	5,605,594	(20,552)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	5,621,506	—	—	5,621,506	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	5,621,625	5,600,339	5,621,625	21,286
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,963,438	1,972,458	1,963,438	(9,020)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,966,875	—	—	1,966,875	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,966,821	1,970,499	1,966,821	(3,678)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,968,125	—	—	1,968,125	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,970,000	—	—	1,970,000	—
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,968,387	1,969,783	1,968,387	(1,396)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,968,085	1,969,666	1,968,085	(1,581)
U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	3,546,472	—	—	3,546,472	—

	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	3,547,375	3,644,099	3,547,375	(96,724)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	3,535,423	—	—	3,535,423	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	3,535,813	3,546,472	3,535,813	(10,659)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,014,831	—	—	2,014,831	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,015,344	2,006,591	2,015,344	8,753
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,529,813	1,532,395	1,529,813	(2,582)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,154,236	—	—	1,154,236	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,154,250	1,151,474	1,154,250	2,776
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,016,622	—	—	2,016,622	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,016,656	2,015,080	2,016,656	1,576
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,015,896	—	—	2,015,896	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,016,000	2,016,259	2,016,000	(259)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	2,008,745	—	—	2,008,745	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	2,008,781	2,016,259	2,008,781	(7,478)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	1,999,417	—	—	1,999,417	—
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	1,999,594	2,008,745	1,999,594	(9,151)
	U S TREASURY BD CPN STRIP 0.000% 02/15/2035 DD 02/15/06	3,923,199	—	—	3,923,199	—
	U S TREASURY BD CPN STRIP 0.000% 05/15/2034 DD 08/15/07	—	1,866,121	2,007,699	1,866,121	(141,578)
	U S TREASURY BD CPN STRIP 0.000% 05/15/2034 DD 08/15/07	3,077,136	—	—	3,077,136	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2034 DD 08/15/07	3,768,000	—	—	3,768,000	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	4,371,446	—	—	4,371,446	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	4,371,094	4,153,536	4,371,094	217,558
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	3,985,371	—	—	3,985,371	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	3,984,375	3,820,753	3,984,375	163,622
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	1,298,967	—	—	1,298,967	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	1,298,688	1,250,414	1,298,688	48,274
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	3,017,475	—	—	3,017,475	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	3,016,969	2,907,859	3,016,969	109,110
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	6,246,447	—	—	6,246,447	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	6,242,781	6,144,243	6,242,781	98,538
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	3,670,522	—	—	3,670,522	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	3,669,188	3,817,818	3,669,188	(148,630)
*	BNY MELLON CASH RESERVE 0.010% 12/31/2049 DD 06/26/97	14,613,212	—	—	14,613,212	—
*	BNY MELLON CASH RESERVE 0.010% 12/31/2049 DD 06/26/97	—	14,613,212	14,613,212	14,613,212	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	13,679,604	—	—	13,679,604	—

*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	—	13,679,604	13,679,604	13,679,604	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	172,270,756	—	—	172,270,756	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	—	172,270,756	172,270,756	172,270,756	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,469,430	—	—	2,469,430	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,795,766	12,795,766	12,795,766	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,152,080	1,152,080	1,152,080	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,366,229	1,366,229	1,366,229	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,848,059	—	—	2,848,059	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,254,907	1,254,907	1,254,907	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,527,960	2,527,960	2,527,960	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,516,287	—	—	2,516,287	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,733,417	1,733,417	1,733,417	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,437,953	—	—	1,437,953	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,343,049	1,343,049	1,343,049	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,948,312	1,948,312	1,948,312	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,778,662	—	—	2,778,662	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,599,416	3,599,416	3,599,416	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,352,381	—	—	2,352,381	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,546,920	2,546,920	2,546,920	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,419,719	12,419,719	12,419,719	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	14,598,907	—	—	14,598,907	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,931,002	—	—	2,931,002	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,931,002	2,931,002	2,931,002	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,547,708	—	—	3,547,708	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,547,708	3,547,708	3,547,708	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,633,590	—	—	3,633,590	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,147,437	1,147,437	1,147,437	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,707,985	—	—	2,707,985	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,650,672	—	—	1,650,672	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,344,807	2,344,807	2,344,807	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,979,475	—	—	1,979,475	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,456,109	2,456,109	2,456,109	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,348,351	—	—	1,348,351	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,031,308	—	—	2,031,308	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	16,286,914	16,286,914	16,286,914	—

*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	4,552,828	4,552,828	4,552,828	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	4,271,624	—	—	4,271,624	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,535,862	2,535,862	2,535,862	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,852,290	—	—	1,852,290	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,511,630	1,511,630	1,511,630	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,530,515	—	—	1,530,515	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,778,749	1,778,749	1,778,749	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,722,697	—	—	1,722,697	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,611,725	—	—	1,611,725	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,837,691	3,837,691	3,837,691	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	11,761,576	—	—	11,761,576	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	12,022,484	—	—	12,022,484	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	11,942,570	11,942,570	11,942,570	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,421,148	12,421,148	12,421,148	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,153,177	3,153,177	3,153,177	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,839,427	—	—	3,839,427	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,598,046	1,598,046	1,598,046	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,475,873	1,475,873	1,475,873	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,378,569	1,378,569	1,378,569	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,282,615	—	—	1,282,615	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	12,000,000	—	—	12,000,000	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,352,434	—	—	1,352,434	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	25,730,300	—	—	25,730,300	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,000,000	12,000,000	12,000,000	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,188,056	2,188,056	2,188,056	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,525,692	12,525,692	12,525,692	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,334,383	—	—	2,334,383	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	5,543,582	5,543,582	5,543,582	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,609,456	—	—	3,609,456	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,609,456	3,609,456	3,609,456	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,273,036	—	—	1,273,036	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,930,594	—	—	2,930,594	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,930,594	2,930,594	2,930,594	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,168,742	—	—	3,168,742	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,571,930	2,571,930	2,571,930	—

*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,197,281	—	—	2,197,281	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,682,669	—	—	1,682,669	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	12,606,656	12,606,656	12,606,656	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,412,951	2,412,951	2,412,951	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,018,718	2,018,718	2,018,718	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,537,137	—	—	1,537,137	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,310,366	1,310,366	1,310,366	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,895,142	—	—	2,895,142	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,683,459	1,683,459	1,683,459	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,679,444	1,679,444	1,679,444	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	7,108,937	—	—	7,108,937	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,388,995	1,388,995	1,388,995	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,267,231	—	—	3,267,231	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	16,204,798	—	—	16,204,798	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,703,520	2,703,520	2,703,520	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	8,250,193	8,250,193	8,250,193	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,862,560	1,862,560	1,862,560	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,449,522	—	—	1,449,522	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	13,217,682	13,217,682	13,217,682	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,697,123	2,697,123	2,697,123	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,855,400	—	—	2,855,400	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,548,183	2,548,183	2,548,183	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,081,371	—	—	3,081,371	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,611,122	2,611,122	2,611,122	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,868,384	—	—	1,868,384	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,375,023	—	—	1,375,023	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,928,765	2,928,765	2,928,765	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,253,923	1,253,923	1,253,923	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	14,709,538	—	—	14,709,538	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,769,939	—	—	2,769,939	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	39,239,683	—	—	39,239,683	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,555,244	3,555,244	3,555,244	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	14,183,467	14,183,467	14,183,467	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	14,303,702	14,303,702	14,303,702	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,474,088	—	—	3,474,088	—

*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,500,979	2,500,979	2,500,979	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,419,084	2,419,084	2,419,084	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,578,173	—	—	1,578,173	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,020,770	2,020,770	2,020,770	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,380,406	—	—	3,380,406	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,749,487	3,749,487	3,749,487	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,685,720	—	—	3,685,720	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,536,834	1,536,834	1,536,834	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,237,018	1,237,018	1,237,018	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	13,169,823	13,169,823	13,169,823	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,191,987	1,191,987	1,191,987	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,179,312	1,179,312	1,179,312	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,285,930	—	—	1,285,930	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,706,300	1,706,300	1,706,300	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,494,815	1,494,815	1,494,815	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,198,047	1,198,047	1,198,047	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,650,428	—	—	3,650,428	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,726,143	1,726,143	1,726,143	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,416,645	—	—	1,416,645	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,289,331	2,289,331	2,289,331	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,073,989	—	—	2,073,989	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,527,771	—	—	1,527,771	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	4,002,767	—	—	4,002,767	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	13,538,017	13,538,017	13,538,017	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,586,082	1,586,082	1,586,082	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,105,858	—	—	1,105,858	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,204,455	2,204,455	2,204,455	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,199,148	—	—	2,199,148	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,659,219	2,659,219	2,659,219	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,477,487	—	—	1,477,487	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	9,164,811	—	—	9,164,811	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,153,663	—	—	3,153,663	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	14,000,000	—	—	14,000,000	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	10,106,069	10,106,069	10,106,069	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,313,302	3,313,302	3,313,302	—

*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,871,787	2,871,787	2,871,787	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,805,174	—	—	2,805,174	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,192,599	2,192,599	2,192,599	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	3,325,963	3,325,963	3,325,963	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	13,359,874	13,359,874	13,359,874	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	2,257,608	—	—	2,257,608	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,137,055	1,137,055	1,137,055	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,656,533	—	—	1,656,533	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,473,176	2,473,176	2,473,176	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	1,845,845	1,845,845	1,845,845	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	3,147,430	—	—	3,147,430	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,402,254	—	—	1,402,254	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	2,736,972	2,736,972	2,736,972	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	5,000,000	—	—	5,000,000	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	11,995,811	—	—	11,995,811	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,676,510	—	—	1,676,510	—
	BLACKROCK LONG TERM CREDIT BD INDX FD	22,000,000	—	—	22,000,000	—
	DOM MFA CASH COLL CS NY VAR RT 01/01/2049 DD 07/01/08	—	1,410,000	1,410,000	1,410,000	—
	IRS P USD 30Y 625BPS R 2.5125% PUT SEP 19 251.250 ED 092719	—	1,275,857	537,500	1,275,857	738,357
	IRS P USD 5Y 125BPS R 2.25% PUT SEP 19 225.000 ED 092719	—	1,892,722	537,500	1,892,722	1,355,222
	FRANKLIN TEMPLETON GLOBAL MULTISECTOR PLUS TRUST	16,000,000	—	—	16,000,000	—
	FRANKLIN TEMPLETON GLOBAL MULTISECTOR PLUS TRUST	—	4,000,000	3,639,547	4,000,000	360,453
	JPMCB EMERGING MARKETS EQUITY FOCUSED FUND	—	12,000,000	7,616,675	12,000,000	4,383,325
	JPMCB EMERGING MARKETS EQUITY FOCUSED FUND	—	5,000,000	3,045,855	5,000,000	1,954,145
	ENTRUST	—	15,879,690	14,500,000	15,879,690	1,379,690
	ENTRUST	—	13,688,452	12,542,307	13,688,452	1,146,145
	HEXAVEST WORLD EQUITY FUND	6,000,000	—	—	6,000,000	—
	ENTRUST CLASS X SERIES	1,275,326	—	—	1,275,326	—
	ENTRUST CLASS X SERIES	1,279,295	—	—	1,279,295	—
	ITALY BUONI ORDINARI DEL TESOR 0.000% 04/30/2018	2,102,771	—	—	2,102,771	—
	AXIS CAPITAL HOLDINGS LTD	1,368,918	—	—	1,368,918	—
	PERU GOVERNMENT BOND 144A 6.150% 08/12/2032	1,708,128	—	—	1,708,128	—
	PERU GOVERNMENT BOND 144A 6.150% 08/12/2032	—	1,739,805	1,708,128	1,739,805	31,677
	HSBC BANK CANADA B/A 05/03/2018	1,635,894	—	—	1,635,894	—
*	VANGUARD TOTAL INTERNATIONAL STOCK INDEX INST	—	28,750,801	21,739,330	28,750,801	7,011,471

*	VANGUARD EXTENDED DURATION TRSY INDEX FUND INST		—	14,875,553	14,355,731	14,875,553	519,822
*	VANGUARD LONG TERM BOND INDEX FUND INST		—	42,240,140	41,127,125	42,240,140	1,113,015
*	VANGUARD LONG-TERM INV-GRADE FUND ADMIRAL		—	43,280,215	42,475,891	43,280,215	804,324
*	VANGUARD TOTAL STOCK MARKET INDEX FUND INST		—	43,124,065	21,814,751	43,124,065	21,309,314

Category (iii) - Series of individual transaction in excess of five percent of beginning plan net assets:

ACTIVISION BLIZZARD INC	$ 2,322,181	$ —	$ —	$ 2,322,181	$ —
ACTIVISION BLIZZARD INC	—	187,276	183,158	187,276	4,118
ADOBE INC	—	1,136,740	534,616	1,136,740	602,123
ALEXION PHARMACEUTICALS INC	—	1,726,195	1,445,106	1,726,195	281,089
ALIBABA GROUP HOLDING LTD	1,343,305	—	—	1,343,305	—
ALIBABA GROUP HOLDING LTD	—	907,145	484,356	907,145	422,789
ALIGN TECHNOLOGY INC	—	202,365	203,526	202,365	(1,160)
ALIGN TECHNOLOGY INC	3,390,340	—	—	3,390,340	—
COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2049 DD 02/01/19	—	8,231,867	8,261,172	8,231,867	(29,305)
COMMIT TO PUR FNMA SF MTG 2.500% 02/01/2049 DD 02/01/19	8,261,172	—	—	8,261,172	—
COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2049 DD 03/01/19	—	8,207,578	8,218,438	8,207,578	(10,859)
COMMIT TO PUR FNMA SF MTG 2.500% 03/01/2049 DD 03/01/19	8,218,438	—	—	8,218,438	—
COMMIT TO PUR FNMA SF MTG 2.500% 04/01/2049 DD 04/01/19	4,481,656	—	—	4,481,656	—
COMMIT TO PUR FNMA SF MTG 2.500% 04/01/2049 DD 04/01/19	—	4,503,172	4,481,656	4,503,172	21,516
COMMIT TO PUR FNMA SF MTG 2.500% 05/01/2049 DD 05/01/19	—	4,094,578	4,123,625	4,094,578	(29,047)
COMMIT TO PUR FNMA SF MTG 2.500% 05/01/2049 DD 05/01/19	4,123,625	—	—	4,123,625	—
COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2049 DD 06/01/19	5,494,898	—	—	5,494,898	—
COMMIT TO PUR FNMA SF MTG 2.500% 06/01/2049 DD 06/01/19	—	2,810,977	2,794,016	2,810,977	16,960
COMMIT TO PUR FNMA SF MTG 3.000% 01/01/2049 DD 01/01/19	—	1,891,836	1,901,188	1,891,836	(9,352)
COMMIT TO PUR FNMA SF MTG 3.000% 01/01/2049 DD 01/01/19	1,901,188	—	—	1,901,188	—
COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2049 DD 02/01/19	22,615,910	—	—	22,615,910	—
COMMIT TO PUR FNMA SF MTG 3.000% 02/01/2049 DD 02/01/19	—	22,683,969	22,615,910	22,683,969	68,059
COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2049 DD 01/01/19	24,866,469	—	—	24,866,469	—
COMMIT TO PUR FNMA SF MTG 3.000% 03/01/2049 DD 01/01/19	—	25,059,922	24,866,469	25,059,922	193,453
COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2049 DD 01/01/19	24,030,684	—	—	24,030,684	—
COMMIT TO PUR FNMA SF MTG 3.000% 04/01/2049 DD 01/01/19	—	23,911,125	23,911,125	23,911,125	—
COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2049 DD 05/01/19	28,976,129	—	—	28,976,129	—
COMMIT TO PUR FNMA SF MTG 3.000% 05/01/2049 DD 05/01/19	—	29,109,273	28,976,129	29,109,273	133,145
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2049 DD 06/01/19	14,549,063	—	—	14,549,063	—
COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2049 DD 06/01/19	14,203,875	—	—	14,203,875	—

	COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2049 DD 06/01/19	—	11,647,500	11,639,531	11,647,500	7,969
	COMMIT TO PUR FNMA SF MTG 3.000% 06/01/2049 DD 06/01/19	—	14,156,984	14,156,984	14,156,984	—
	COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2048 DD 07/01/18	—	6,789,713	6,791,324	6,789,713	(1,611)
	COMMIT TO PUR FNMA SF MTG 3.000% 07/01/2048 DD 07/01/18	1,907,719	—	—	1,907,719	—
	COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2048 DD 08/01/18	—	3,815,586	3,817,961	3,815,586	(2,375)
	COMMIT TO PUR FNMA SF MTG 3.000% 08/01/2048 DD 08/01/18	1,906,086	—	—	1,906,086	—
	COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2048 DD 09/01/18	—	3,824,270	3,825,086	3,824,270	(816)
	COMMIT TO PUR FNMA SF MTG 3.000% 09/01/2048 DD 09/01/18	3,825,086	—	—	3,825,086	—
	COMMIT TO PUR FNMA SF MTG 3.000% 10/01/2048 DD 10/01/18	1,903,043	—	—	1,903,043	—
	COMMIT TO PUR FNMA SF MTG 3.000% 10/01/2048 DD 10/01/18	—	1,910,316	1,903,043	1,910,316	7,273
	COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2048 DD 11/01/18	—	3,805,492	3,809,277	3,805,492	(3,785)
	COMMIT TO PUR FNMA SF MTG 3.000% 11/01/2048 DD 11/01/18	3,809,277	—	—	3,809,277	—
	COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2048 DD 12/01/18	3,800,891	—	—	3,800,891	—
	COMMIT TO PUR FNMA SF MTG 3.000% 12/01/2048 DD 12/01/18	—	3,803,934	3,800,891	3,803,934	3,043
	COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2034 DD 02/01/19	—	7,486,004	7,488,266	7,486,004	(2,262)
	COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2034 DD 02/01/19	7,488,266	—	—	7,488,266	—
	COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2034 DD 03/01/19	—	7,436,422	7,467,508	7,436,422	(31,086)
	COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2034 DD 03/01/19	7,467,508	—	—	7,467,508	—
	COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2034 DD 04/01/19	—	7,428,465	7,435,188	7,428,465	(6,723)
	COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2034 DD 04/01/19	7,435,188	—	—	7,435,188	—
	COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2034 DD 05/01/19	—	9,321,559	9,322,688	9,321,559	(1,129)
	COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2034 DD 05/01/19	9,322,688	—	—	9,322,688	—
	COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2034 DD 06/01/19	4,663,250	—	—	4,663,250	—
	COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2049 DD 02/01/19	—	24,752,379	24,840,203	24,752,379	(87,824)
	COMMIT TO PUR FNMA SF MTG 3.500% 02/01/2049 DD 02/01/19	24,840,203	—	—	24,840,203	—
	COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2049 DD 01/01/19	—	20,998,504	21,056,391	20,998,504	(57,887)
	COMMIT TO PUR FNMA SF MTG 3.500% 03/01/2049 DD 01/01/19	21,056,391	—	—	21,056,391	—
	COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2049 DD 01/01/19	—	12,661,785	12,686,453	12,661,785	(24,668)
	COMMIT TO PUR FNMA SF MTG 3.500% 04/01/2049 DD 01/01/19	12,686,453	—	—	12,686,453	—
	COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2049 DD 05/01/19	11,437,523	—	—	11,437,523	—
	COMMIT TO PUR FNMA SF MTG 3.500% 05/01/2049 DD 05/01/19	—	11,467,375	11,437,523	11,467,375	29,852
	COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2049 DD 06/01/19	13,349,014	—	—	13,349,014	—
	COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2049 DD 06/01/19	—	13,254,676	13,349,014	13,254,676	(94,338)
	COMMIT TO PUR FNMA SF MTG 3.500% 06/01/2049 DD 06/01/19	—	1,497,070	1,497,070	1,497,070	—
	COMMIT TO PUR FNMA SF MTG 3.500% 07/01/2048 DD 07/01/18	23,463,215	—	—	23,463,215	—

COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2049 DD 02/01/19	—	29,245,539	29,269,688	29,245,539	(24,148)
COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2049 DD 02/01/19	29,269,688	—	—	29,269,688	—
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2049 DD 01/01/19	—	23,765,391	23,967,977	23,765,391	(202,586)
COMMIT TO PUR FNMA SF MTG 4.000% 03/01/2049 DD 01/01/19	23,967,977	—	—	23,967,977	—
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2049 DD 01/01/19	—	17,797,070	17,815,758	17,797,070	(18,687)
COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2049 DD 01/01/19	17,815,758	—	—	17,815,758	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2049 DD 05/01/19	15,515,758	—	—	15,515,758	—
COMMIT TO PUR FNMA SF MTG 4.000% 05/01/2049 DD 05/01/19	—	15,570,305	15,515,758	15,570,305	54,547
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2049 DD 06/01/19	15,548,137	—	—	15,548,137	—
COMMIT TO PUR FNMA SF MTG 4.000% 06/01/2049 DD 06/01/19	—	5,106,934	5,114,519	5,106,934	(7,585)
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	8,163,047	—	—	8,163,047	—
COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2048 DD 07/01/18	—	3,061,172	3,063,047	3,061,172	(1,875)
COMMIT TO PUR FNMA SF MTG 4.000% 08/01/2048 DD 08/01/18	3,056,719	—	—	3,056,719	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2049 DD 02/01/19	6,104,500	—	—	6,104,500	—
COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2049 DD 02/01/19	—	6,127,723	6,127,723	6,127,723	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2049 DD 01/01/19	24,205,543	—	—	24,205,543	—
COMMIT TO PUR FNMA SF MTG 4.500% 03/01/2049 DD 01/01/19	—	24,251,023	24,205,543	24,251,023	45,480
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2049 DD 01/01/19	9,927,320	—	—	9,927,320	—
COMMIT TO PUR FNMA SF MTG 4.500% 04/01/2049 DD 01/01/19	—	9,934,539	9,927,320	9,934,539	7,219
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2049 DD 05/01/19	12,277,234	—	—	12,277,234	—
COMMIT TO PUR FNMA SF MTG 4.500% 05/01/2049 DD 05/01/19	—	12,292,578	12,277,234	12,292,578	15,344
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2049 DD 06/01/19	11,568,754	—	—	11,568,754	—
COMMIT TO PUR FNMA SF MTG 4.500% 06/01/2049 DD 06/01/19	—	11,557,719	11,568,754	11,557,719	(11,035)
COMMIT TO PUR FNMA SF MTG 4.500% 07/01/2048 DD 07/01/18	—	5,204,688	5,204,688	5,204,688	—
COMMIT TO PUR FNMA SF MTG 5.000% 02/01/2049 DD 02/01/19	3,964,008	—	—	3,964,008	—
COMMIT TO PUR FNMA SF MTG 5.000% 02/01/2049 DD 02/01/19	—	3,964,445	3,964,008	3,964,445	437
COMMIT TO PUR FNMA SF MTG 5.000% 03/01/2049 DD 03/01/19	—	4,477,344	4,477,539	4,477,344	(195)
COMMIT TO PUR FNMA SF MTG 5.000% 03/01/2049 DD 03/01/19	4,477,539	—	—	4,477,539	—
COMMIT TO PUR FNMA SF MTG 5.000% 04/01/2049 DD 04/01/19	5,969,914	—	—	5,969,914	—
COMMIT TO PUR FNMA SF MTG 5.000% 04/01/2049 DD 04/01/19	—	5,970,758	5,969,289	5,970,758	1,469
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2049 DD 05/01/19	5,947,813	—	—	5,947,813	—
COMMIT TO PUR FNMA SF MTG 5.000% 05/01/2049 DD 05/01/19	—	5,951,813	5,947,813	5,951,813	4,000
COMMIT TO PUR FNMA SF MTG 5.000% 06/01/2049 DD 06/01/19	2,545,109	—	—	2,545,109	—
COMMIT TO PUR FNMA SF MTG 5.000% 06/01/2049 DD 06/01/19	—	2,539,336	2,545,109	2,539,336	(5,773)
ALPHABET INC-CL C	—	1,513,817	802,169	1,513,817	711,648

AMAZON.COM INC	1,099,686	—	—	1,099,686	—
AMAZON.COM INC	—	852,403	391,529	852,403	460,874
AMAZON.COM INC 144A 4.250% 08/22/2057 DD 08/22/17	1,190,184	—	—	1,190,184	—
AMERICAN INTERNATIONAL GROUP I	1,418,273	—	—	1,418,273	—
AMGEN INC	2,355,646	—	—	2,355,646	—
APPLE INC 2.900% 09/12/2027 DD 09/12/17	1,698,096	—	—	1,698,096	—
ATHENAHEALTH INC	—	1,508,922	1,230,119	1,508,922	278,803
AXA EQUITABLE HOLDINGS INC	1,155,040	—	—	1,155,040	—
BAIDU INC ADR	1,118,636	—	—	1,118,636	—
BAIDU INC ADR	—	2,885,886	1,775,451	2,885,886	1,110,435
BIOGEN INC	—	1,838,363	1,377,169	1,838,363	461,194
BRAZILIAN GOVERNMENT INTERNATI 5.625% 02/21/2047 DD 07/28/16	—	1,991,350	1,949,146	1,991,350	42,204
CIGNA CORP	—	2,146,429	1,321,101	2,146,429	825,328
CARDINAL HEALTH INC	1,223,398	—	—	1,223,398	—
CHIPOTLE MEXICAN GRILL INC	—	1,949,711	2,361,016	1,949,711	(411,305)
CHIPOTLE MEXICAN GRILL INC	834,878	—	—	834,878	—
CITIGROUP INC	879,820	—	—	879,820	—
CITIGROUP INC	—	590,633	396,129	590,633	194,504
CONSOLIDATED EDISON CO OF NEW 4.500% 05/15/2058 DD 05/10/18	1,592,624	—	—	1,592,624	—
CORP NACIONAL DEL COBRE D 144A 3.625% 08/01/2027 DD 08/01/17	687,659	—	—	687,659	—
CORP NACIONAL DEL COBRE D 144A 3.625% 08/01/2027 DD 08/01/17	—	703,300	687,659	703,300	15,641
COSTAR GROUP INC	1,048,807	—	—	1,048,807	—
COSTAR GROUP INC	—	226,982	155,625	226,982	71,357
DAE FUNDING LLC 144A 5.000% 08/01/2024 DD 08/04/17	700,000	—	—	700,000	—
DAE FUNDING LLC 144A 5.000% 08/01/2024 DD 08/04/17	—	714,875	700,000	714,875	14,875
DEXIA CREDIT LOCAL SA 144A 2.375% 09/20/2022 DD 09/20/17	—	1,362,750	1,396,402	1,362,750	(33,652)
DEXIA CREDIT LOCAL SA 144A 2.375% 09/20/2022 DD 09/20/17	1,396,402	—	—	1,396,402	—
EDISON INTERNATIONAL	3,024,224	—	—	3,024,224	—
EXXON MOBIL CORP	—	1,245,708	1,272,934	1,245,708	(27,225)
EXXON MOBIL CORP	590,737	—	—	590,737	—
FACEBOOK INC	—	2,567,387	1,109,702	2,567,387	1,457,685
FEDERAL HOME LN MTG CORP STRIP 0.000% 09/15/2029 DD 10/25/00	902,063	—	—	902,063	—
FEDERAL HOME LN MTG CORP STRIP 0.000% 09/15/2029 DD 10/25/00	—	901,875	705,900	901,875	195,975
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	3,799,147	—	—	3,799,147	—
FEDERAL NATL MTG ASSN STRIP 0.000% 05/15/2030 DD 05/05/00	—	3,798,375	3,594,990	3,798,375	203,385

FHLMC MULTICLASS MTG K071 A2 3.286% 11/25/2027 DD 12/01/17	—	1,422,695	1,441,915	1,422,695	(19,219)
FHLMC MULTICLASS MTG K071 A2 3.286% 11/25/2027 DD 12/01/17	1,441,915	—	—	1,441,915	—
FLOOR & DECOR HOLDINGS INC	117,418	—	—	117,418	—
FLOOR & DECOR HOLDINGS INC	1,160,296	—	—	1,160,296	—
FORD MOTOR CO	2,667,731	—	—	2,667,731	—
GMO STRAT OPPOR ALLOCATION-3	3,928,659	—	—	3,928,659	—
GENERAL ELECTRIC CO	640,474	—	—	640,474	—
GENERAL ELECTRIC CO	1,549,294	—	—	1,549,294	—
HALLIBURTON CO	2,497,478	—	—	2,497,478	—
HALLIBURTON CO	—	571,537	485,036	571,537	86,501
HEWLETT PACKARD ENTERPRISE CO	2,567,829	—	—	2,567,829	—
HEWLETT PACKARD ENTERPRISE CO	—	1,784,873	1,218,199	1,784,873	566,674
HILTON WORLDWIDE HOLDINGS INC	—	2,277,625	1,517,687	2,277,625	759,938
INCYTE CORP	—	1,962,731	3,209,713	1,962,731	(1,246,982)
INCYTE CORP	577,329	—	—	577,329	—
INDONESIA GOVERNMENT INTERNATI 4.350% 01/11/2048 DD 12/11/17	—	947,550	991,660	947,550	(44,110)
INDONESIA GOVERNMENT INTERNATI 4.350% 01/11/2048 DD 12/11/17	991,660	—	—	991,660	—
INTEL CORP	—	2,002,717	1,622,339	2,002,717	380,378
INTERPUBLIC GROUP OF COS INC/T	2,460,168	—	—	2,460,168	—
INTERPUBLIC GROUP OF COS INC/T	—	589,537	512,563	589,537	76,974
LOXO ONCOLOGY INC	1,016,696	—	—	1,016,696	—
LOXO ONCOLOGY INC	—	132,686	78,256	132,686	54,431
MERCK & CO INC	2,220,351	—	—	2,220,351	—
METLIFE INC	1,629,607	—	—	1,629,607	—
NEWELL BRANDS INC	2,319,992	—	—	2,319,992	—
OMNICOM GROUP INC	1,156,352	—	—	1,156,352	—
OMNICOM GROUP INC	—	1,220,017	1,115,182	1,220,017	104,834
PALO ALTO NETWORKS INC	883,940	—	—	883,940	—
PALO ALTO NETWORKS INC	—	347,067	267,629	347,067	79,438
PETROLEOS MEXICANOS 144A 6.500% 03/13/2027 DD 03/13/17	738,409	—	—	738,409	—
PETROLEOS MEXICANOS 144A 6.500% 03/13/2027 DD 03/13/17	—	766,500	738,409	766,500	28,091
PIMCO ALL ASSET FUND-INST	29,918,388	—	—	29,918,388	—
PIMCO ALL ASSET FUND-INST	—	16,000,000	15,996,691	16,000,000	3,309
PIMCO FDS SHORT TERM FLTG NAV PORT II	900,000	—	—	900,000	—
PIMCO FDS SHORT TERM FLTG NAV PORT II	—	82,100,000	82,100,383	82,100,000	(383)

	PIMCO FDS SHORT TERM FLTG NAV PORT II	88,511,721	—	—	88,511,721	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	39,788,240	—	—	39,788,240	—
	PIMCO FDS LONG DURATION CORP BD PORTFOLIO	—	28,100,000	28,045,599	28,100,000	54,401
	PRICELINE GROUP INC/THE	—	1,147,809	694,715	1,147,809	453,094
	PROCTER & GAMBLE CO/THE 2.850% 08/11/2027 DD 08/11/17	—	1,095,296	1,097,723	1,095,296	(2,427)
	PROCTER & GAMBLE CO/THE 2.850% 08/11/2027 DD 08/11/17	1,097,723	—	—	1,097,723	—
	REGIONS FINANCIAL CORP	—	2,154,059	1,651,774	2,154,059	502,285
	SALESFORCE.COM INC	—	1,934,153	763,301	1,934,153	1,170,852
	SAUDI GOVERNMENT INTERNAT 144A 3.625% 03/04/2028 DD 10/04/17	1,482,465	—	—	1,482,465	—
	SAUDI GOVERNMENT INTERNAT 144A 3.625% 03/04/2028 DD 10/04/17	—	1,489,500	1,482,465	1,489,500	7,035
	SAUDI GOVERNMENT INTERNAT 144A 4.625% 10/04/2047 DD 10/04/17	1,888,410	—	—	1,888,410	—
	SAUDI GOVERNMENT INTERNAT 144A 4.000% 04/17/2025 DD 04/17/18	1,882,387	—	—	1,882,387	—
	SERVICENOW INC	1,716,388	—	—	1,716,388	—
	SERVICENOW INC	—	644,858	375,286	644,858	269,572
	STAPLES INC	—	1,325,119	1,612,115	1,325,119	(286,996)
	U S TREASURY BD PRIN STRIP 0.000% 08/15/2042 DD 08/15/12	—	2,497,050	1,531,950	2,497,050	965,100
	U S TREASURY BD PRIN STRIP 0.000% 11/15/2042 DD 11/15/12	—	1,484,130	1,074,541	1,484,130	409,589
	U S TREASURY BD PRIN STRIP 0.000% 08/15/2043 DD 08/15/13	—	1,778,600	1,876,719	1,778,600	(98,119)
	U S TREASURY BD PRIN STRIP 0.000% 08/15/2043 DD 08/15/13	1,876,719	—	—	1,876,719	—
	US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	—	27,744,663	27,817,464	27,744,663	(72,802)
	US TREAS-CPI INFLAT 1.750% 01/15/2028 DD 01/15/08	28,299,116	—	—	28,299,116	—
	U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	—	6,272,895	6,345,963	6,272,895	(73,069)
	U S TREASURY BOND 4.375% 02/15/2038 DD 02/15/08	6,653,214	—	—	6,653,214	—
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	4,381,710	—	—	4,381,710	—
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	49,758,469	50,059,160	49,758,469	(300,691)
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	50,059,160	—	—	50,059,160	—
	US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	—	18,806,801	18,851,750	18,806,801	(44,949)
	US TREAS-CPI INFLAT 2.500% 01/15/2029 DD 01/15/09	20,870,343	—	—	20,870,343	—
	U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	29,450,467	—	—	29,450,467	—
	U S TREASURY BOND 4.375% 11/15/2039 DD 11/15/09	—	34,390,502	34,373,117	34,390,502	17,385
	U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	1,870,881	—	—	1,870,881	—
	U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	—	27,978,688	28,117,553	27,978,688	(138,865)
	U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	28,117,553	—	—	28,117,553	—
	U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	—	53,266,112	53,270,876	53,266,112	(4,764)
	U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	47,170,136	—	—	47,170,136	—

U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	4,204,207	—	—	4,204,207	—
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	—	64,641,484	64,679,921	64,641,484	(38,437)
U S TREASURY BOND 3.875% 08/15/2040 DD 08/15/10	60,646,206	—	—	60,646,206	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	17,343,618	—	—	17,343,618	—
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	164,342,594	164,845,005	164,342,594	(502,411)
U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	166,512,607	—	—	166,512,607	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	4,418,148	—	—	4,418,148	—
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	39,593,116	39,623,716	39,593,116	(30,600)
U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	35,084,631	—	—	35,084,631	—
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	31,956,816	32,010,671	31,956,816	(53,855)
U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	36,069,521	—	—	36,069,521	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	8,587,696	—	—	8,587,696	—
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	—	81,177,219	81,293,121	81,177,219	(115,902)
U S TREASURY BOND 2.750% 08/15/2042 DD 08/15/12	72,481,863	—	—	72,481,863	—
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	—	17,251,500	17,274,767	17,251,500	(23,267)
U S TREASURY BOND 2.750% 11/15/2042 DD 11/15/12	15,432,556	—	—	15,432,556	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	7,455,558	—	—	7,455,558	—
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	80,418,947	80,650,781	80,418,947	(231,834)
U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	71,347,614	—	—	71,347,614	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	2,479,006	—	—	2,479,006	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	31,156,776	—	—	31,156,776	—
U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	34,484,415	34,522,845	34,484,415	(38,430)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	2,716,351	—	—	2,716,351	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	217,146	217,550	217,146	(404)
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	51,113,132	—	—	51,113,132	—
U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	57,396,435	57,662,853	57,396,435	(266,419)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	19,871,031	19,917,673	19,871,031	(46,642)
U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	17,591,777	—	—	17,591,777	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	8,887,209	—	—	8,887,209	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	109,532,229	—	—	109,532,229	—
U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	118,579,331	118,811,727	118,579,331	(232,396)
US TREAS-CPI INFLAT 1.375% 02/15/2044 DD 02/15/14	853,749	—	—	853,749	—
US TREAS-CPI INFLAT 1.375% 02/15/2044 DD 02/15/14	—	1,485,887	1,466,310	1,485,887	19,577
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	—	4,984,272	5,044,106	4,984,272	(59,834)
U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	5,044,106	—	—	5,044,106	—

U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	32,714,317	—	—	32,714,317	—
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	179,035,184	180,184,474	179,035,184	(1,149,289)
U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	180,285,140	—	—	180,285,140	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	1,551,245	—	—	1,551,245	—
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	42,238,750	42,375,654	42,238,750	(136,904)
U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	39,887,047	—	—	39,887,047	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	4,181,747	—	—	4,181,747	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	39,400,412	—	—	39,400,412	—
U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	44,455,993	44,453,616	44,455,993	2,376
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	45,000,450	—	—	45,000,450	—
U S TREASURY BOND 3.000% 11/15/2045 DD 11/15/15	—	47,151,242	47,193,006	47,151,242	(41,764)
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	2,566,499	—	—	2,566,499	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	21,156,384	—	—	21,156,384	—
U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	—	21,024,000	21,156,384	21,024,000	(132,384)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	2,529,731	—	—	2,529,731	—
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	—	35,096,145	35,281,796	35,096,145	(185,652)
U S TREASURY BOND 2.500% 05/15/2046 DD 05/15/16	35,281,796	—	—	35,281,796	—
U S TREASURY BOND 2.875% 11/15/2046 DD 11/15/16	5,719,433	—	—	5,719,433	—
U S TREASURY BOND 2.875% 11/15/2046 DD 11/15/16	—	5,726,406	5,719,433	5,726,406	6,973
U S TREASURY BOND 3.000% 02/15/2047 DD 02/15/17	3,535,908	—	—	3,535,908	—
U S TREASURY BOND 3.000% 02/15/2047 DD 02/15/17	—	4,183,085	4,188,874	4,183,085	(5,789)
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	7,439,000	—	—	7,439,000	—
US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	—	6,316,479	6,328,985	6,316,479	(12,506)
U S TREASURY BOND 3.000% 05/15/2047 DD 05/15/17	—	5,603,402	5,596,050	5,603,402	7,351
U S TREASURY BOND 3.000% 05/15/2047 DD 05/15/17	5,596,050	—	—	5,596,050	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	350,979,631	—	—	350,979,631	—
U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	—	350,686,675	350,979,631	350,686,675	(292,956)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	—	124,661,506	124,864,346	124,661,506	(202,841)
U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	124,864,346	—	—	124,864,346	—
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	—	54,900,914	55,035,375	54,900,914	(134,461)
U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	55,035,375	—	—	55,035,375	—
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	—	58,722,451	58,781,413	58,722,451	(58,963)
US TREAS-CPI INFLAT 0.375% 07/15/2027 DD 07/15/17	58,760,944	—	—	58,760,944	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	29,212,730	—	—	29,212,730	—
U S TREASURY NOTE 2.125% 07/31/2024 DD 07/31/17	—	29,229,199	29,212,730	29,229,199	16,469

U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	106,980,691	—	—	106,980,691	—
U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	—	107,025,088	106,980,691	107,025,088	44,397
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	—	12,367,547	12,376,135	12,367,547	(8,589)
U S TREASURY NOTE 1.875% 08/31/2024 DD 08/31/17	12,376,135	—	—	12,376,135	—
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	114,175,700	114,231,461	114,175,700	(55,761)
U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	114,231,461	—	—	114,231,461	—
US TREAS-CPI INFLAT 0.500% 01/15/2028 DD 01/15/18	1,770,702	—	—	1,770,702	—
U S TREASURY NOTE 2.750% 02/15/2028 DD 02/15/18	—	6,376,121	6,377,904	6,376,121	(1,783)
U S TREASURY NOTE 2.750% 02/15/2028 DD 02/15/18	6,377,904	—	—	6,377,904	—
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	—	6,680,071	6,690,215	6,680,071	(10,144)
U S TREASURY NOTE 2.375% 03/15/2021 DD 03/15/18	6,690,215	—	—	6,690,215	—
U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	5,262,572	—	—	5,262,572	—
U S TREASURY NOTE 2.500% 03/31/2023 DD 03/31/18	—	5,262,580	5,262,572	5,262,580	8
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	—	3,575,210	3,578,555	3,575,210	(3,344)
U S TREASURY NOTE 2.625% 03/31/2025 DD 03/31/18	3,578,555	—	—	3,578,555	—
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	—	88,605,000	88,738,980	88,605,000	(133,980)
U S TREASURY NOTE 2.750% 02/15/2024 DD 02/15/14	88,738,980	—	—	88,738,980	—
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	3,351,130	—	—	3,351,130	—
U S TREASURY NOTE 2.000% 02/15/2025 DD 02/15/15	—	4,753,328	4,727,300	4,753,328	26,029
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	—	155,966,701	156,031,559	155,966,701	(64,859)
U S TREASURY NOTE 2.000% 11/30/2022 DD 11/30/15	156,031,559	—	—	156,031,559	—
US TREAS-CPI INFLAT 0.625% 01/15/2026 DD 01/15/16	—	682,745	687,273	682,745	(4,528)
US TREAS-CPI INFLAT 0.625% 01/15/2026 DD 01/15/16	687,319	—	—	687,319	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	25,891,732	—	—	25,891,732	—
U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	—	25,930,434	25,891,732	25,930,434	38,702
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	—	87,132,610	87,246,732	87,132,610	(114,122)
U S TREASURY NOTE 1.625% 05/31/2023 DD 05/31/16	87,246,732	—	—	87,246,732	—
U S TREASURY NOTE 2.000% 11/15/2026 DD 11/15/16	883,870	—	—	883,870	—
U S TREASURY NOTE 2.000% 11/15/2026 DD 11/15/16	—	2,173,863	2,162,667	2,173,863	11,196
US TREAS-CPI INFLAT 0.375% 01/15/2027 DD 01/15/17	—	4,291,525	4,335,961	4,291,525	(44,436)
US TREAS-CPI INFLAT 0.375% 01/15/2027 DD 01/15/17	799,497	—	—	799,497	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	26,927,471	—	—	26,927,471	—
U S TREASURY NOTE 2.250% 02/15/2027 DD 02/15/17	—	31,706,321	31,610,022	31,706,321	96,299
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	30,382,465	—	—	30,382,465	—
US TREAS-CPI INFLAT 0.125% 04/15/2022 DD 04/15/17	—	32,730,503	32,709,954	32,730,503	20,549

	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	—	117,142,519	117,411,346	117,142,519	(268,827)
	U S TREASURY NOTE 2.000% 06/30/2024 DD 06/30/17	117,695,742	—	—	117,695,742	—
	U S TREASURY BD CPN STRIP 0.000% 02/15/2035 DD 02/15/06	3,923,199	—	—	3,923,199	—
	U S TREASURY BD CPN STRIP 0.000% 05/15/2034 DD 08/15/07	—	1,866,121	2,007,699	1,866,121	(141,578)
	U S TREASURY BD CPN STRIP 0.000% 05/15/2034 DD 08/15/07	3,077,136	—	—	3,077,136	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2034 DD 08/15/07	3,768,000	—	—	3,768,000	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	25,097,128	—	—	25,097,128	—
	U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	—	25,089,469	24,557,933	25,089,469	531,535
	VERIZON COMMUNICATIONS INC 4.672% 03/15/2055 DD 03/13/15	1,244,385	—	—	1,244,385	—
	VISA INC	—	1,604,533	686,487	1,604,533	918,046
	WELLS FARGO & CO	3,123,028	—	—	3,123,028	—
	WORKDAY INC	1,850,875	—	—	1,850,875	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	201,278,998	—	—	201,278,998	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	—	201,278,998	201,278,998	201,278,998	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	—	432,422,422	432,422,422	432,422,422	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	421,942,034	—	—	421,942,034	—
	DOM MFA CASH COLL BCY VAR RT 01/01/2049 DD 07/01/08	4,100,000	—	—	4,100,000	—
	DOM MFA CASH COLL BCY VAR RT 01/01/2049 DD 07/01/08	—	4,100,000	4,100,000	4,100,000	—
	CASH COLLATERAL HELD AT CITIGROUP	1,489,000	—	—	1,489,000	—
	CASH COLLATERAL HELD AT CITIGROUP	—	1,096,000	1,096,000	1,096,000	—
	DOM MFA CASH COLL FOB VAR RT 01/01/2049 DD 07/01/08	820,000	—	—	820,000	—
	DOM MFA CASH COLL FOB VAR RT 01/01/2049 DD 07/01/08	—	820,000	820,000	820,000	—
	BLACKROCK LONG TERM CREDIT BD INDX FD	22,000,000	—	—	22,000,000	—
	GOLDMAN CAP MKT (GLM) CASH COL VAR RT 01/01/2049 DD 07/01/08	—	580,000	580,000	580,000	—
	GOLDMAN CAP MKT (GLM) CASH COL VAR RT 01/01/2049 DD 07/01/08	580,000	—	—	580,000	—
	DOM MFA CASH COLL CS NY VAR RT 01/01/2049 DD 07/01/08	2,750,000	—	—	2,750,000	—
	DOM MFA CASH COLL CS NY VAR RT 01/01/2049 DD 07/01/08	—	2,750,000	2,750,000	2,750,000	—
	DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	620,000	—	—	620,000	—
	DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	—	880,000	880,000	880,000	—
	SWAP/ISDA MORGAN STANLEY (MYC) VAR RT 01/01/2049 DD 07/01/08	1,380,000	—	—	1,380,000	—
	SWAP/ISDA MORGAN STANLEY (MYC) VAR RT 01/01/2049 DD 07/01/08	—	980,000	980,000	980,000	—
	SAL CCP COLLATERAL VAR RT 01/01/2049 DD 07/01/08	924,000	—	—	924,000	—
	SAL CCP COLLATERAL VAR RT 01/01/2049 DD 07/01/08	—	335,000	335,000	335,000	—
	DOM MFA CASH COLL TD SEC VAR RT 01/01/2049 DD 07/01/08	—	8,487,000	8,487,000	8,487,000	—
	DOM MFA CASH COLL TD SEC VAR RT 01/01/2049 DD 07/01/08	8,487,000	—	—	8,487,000	—

IRS P USD 30Y 625BPS R 2.5125% PUT SEP 19 251.250 ED 092719	—	1,275,857	537,500	1,275,857	738,357
IRS P USD 5Y 125BPS R 2.25% PUT SEP 19 225.000 ED 092719	—	1,892,722	537,500	1,892,722	(1,355,222)
CCP IRS. R USD-LIBOR-BBA 3M CM PAY 1.75% 2047 JUN 21	—	908,096	648,813	908,096	259,283
CCP IRS. R USD-LIBOR-BBA 3M CM PAY 1.75% 2047 JUN 21	648,813	—	—	648,813	—
FRANKLIN TEMPLETON GLOBAL MULTISECTOR PLUS TRUST	16,000,000	—	—	16,000,000	—
FRANKLIN TEMPLETON GLOBAL MULTISECTOR PLUS TRUST	—	4,000,000	3,639,547	4,000,000	360,453
JPMCB EMERGING MARKETS EQUITY FOCUSED FUND	—	17,000,000	10,662,530	17,000,000	6,337,470
ENTRUST	—	29,568,142	27,042,307	29,568,142	2,525,835
HEXAVEST WORLD EQUITY FUND	6,000,000	—	—	6,000,000	—
CASH COLLATERAL FORWARDS BNP VAR RT 01/01/2049 DD 07/01/08	1,430,000	—	—	1,430,000	—
CASH COLLATERAL FORWARDS BNP VAR RT 01/01/2049 DD 07/01/08	—	1,430,000	1,430,000	1,430,000	—
ENTRUST CLASS X SERIES	1,279,295	—	—	1,279,295	—
ENTRUST CLASS X SERIES	1,275,326	—	—	1,275,326	—
RHEINMETALL AG	1,477,075	—	—	1,477,075	—
OSRAM LICHT AG	—	1,146,424	759,915	1,146,424	386,509
COVESTRO AG	1,194,808	—	—	1,194,808	—
IBERDROLA SA	1,160,593	—	—	1,160,593	—
AMADEUS IT GROUP SA	—	1,104,297	652,922	1,104,297	451,376
BNP PARIBAS SA	—	1,425,608	1,028,805	1,425,608	396,803
ENEL SPA	2,511,239	—	—	2,511,239	—
ENEL SPA	—	257,781	218,588	257,781	39,193
ITALY BUONI ORDINARI DEL TESOR 0.000% 04/30/2018	2,971,275	—	—	2,971,275	—
KONINKLIJKE KPN NV	1,196,432	—	—	1,196,432	—
KONINKLIJKE DSM NV	—	1,109,053	760,691	1,109,053	348,363
ASML HOLDING NV	—	1,543,041	622,887	1,543,041	920,154
ABN AMRO GROUP NV	—	1,185,880	861,752	1,185,880	324,128
ROCHE HOLDING AG	716,117	—	—	716,117	—
ROCHE HOLDING AG	—	3,644,877	3,138,931	3,644,877	505,946
NESTLE SA	1,126,685	—	—	1,126,685	—
NESTLE SA	—	734,782	651,322	734,782	83,459
RIO TINTO PLC	—	1,343,809	1,251,393	1,343,809	92,416
LONDON STOCK EXCHANGE GROUP PL	2,536,302	—	—	2,536,302	—
INFORMA PLC	340,940	—	—	340,940	—
INFORMA PLC	—	1,628,654	1,428,684	1,628,654	199,970
SUNNY OPTICAL TECHNOLOGY GROUP HK/02382	—	2,127,553	492,899	2,127,553	1,634,654

	KEYENCE CORP	116,605	—	—	116,605	—
	KEYENCE CORP	—	2,024,758	636,162	2,024,758	1,388,596
	MURATA MANUFACTURING CO LTD	—	2,057,874	1,702,500	2,057,874	355,374
	SMC CORP/JAPAN	—	1,396,550	804,387	1,396,550	592,164
	DBS GROUP HOLDINGS LTD	1,180,923	—	—	1,180,923	—
	AXIS CAPITAL HOLDINGS LTD	1,368,918	—	—	1,368,918	—
	PERU GOVERNMENT BOND 144A 6.150% 08/12/2032	—	1,739,805	1,708,128	1,739,805	31,677
	PERU GOVERNMENT BOND 144A 6.150% 08/12/2032	1,708,128	—	—	1,708,128	—
	MYLAN NV SHS EURO	2,049,829	—	—	2,049,829	—
	MYLAN NV SHS EURO	—	575,723	537,036	575,723	38,687
	FIRST QUANTUM MINERALS LTD	—	1,494,275	1,391,440	1,494,275	102,835
	HSBC BANK CANADA B/A 05/03/2018	1,635,894	—	—	1,635,894	—
	GENMAB A/S	568,773	—	—	568,773	—
	GENMAB A/S	—	921,812	291,781	921,812	630,031
	ASSA ABLOY AB	190,553	—	—	190,553	—
	ASSA ABLOY AB	—	1,157,028	645,650	1,157,028	511,378
*	VANGUARD LONG TERM BOND INDEX FUND INST	—	42,363,801	41,252,117	42,363,801	1,111,684
*	VANGUARD LONG-TERM INV-GRADE FUND ADMIRAL	—	43,418,043	42,615,192	43,418,043	802,851

*** Denotes Party-in-Interest**

SCHEDULE SB (Form 5500)	Single-Employer Defined Benefit Plan Actuarial Information	OMB No. 1210-0110
Department of the Treasury, Internal Revenue Service; Department of Labor, Employee Benefits Security Administration; Pension Benefit Guaranty Corporation	This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	2017 — This Form is Open to Public Inspection

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of $1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan: PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF: PECOFACET (US), INC.

D Employer Identification Number (EIN): 26-1200603

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1 Enter the valuation date: Month 06 Day 01 Year 2017

2 Assets:

a Market value	**2a**	21,964,495
b Actuarial value	**2b**	21,973,613

3 Funding target/participant count breakdown

	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	185	10,293,589	10,293,589
b For terminated vested participants	145	5,081,758	5,081,758
c For active participants	59	2,561,342	2,561,342
d Total	389	17,936,689	17,936,689

4 If the plan is in at-risk status, check the box and complete lines (a) and (b) [ ]

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	
5 Effective interest rate	**5**	5.84%
6 Target normal cost	**6**	39,150,286

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE GREGORY H. REYNOLDS — Signature of actuary

4/9/2020 — Date

GREGORY H. REYNOLDS — Type or print name of actuary

1706401 — Most recent enrollment number

AON CONSULTING, INC. — Firm name

216-573-9700 — Telephone number (including area code)

5005 ROCKSIDE ROAD

INDEPENDENCE OH 44131 — Address of the firm

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions [ ]

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	346,345,826
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	68,913,959
9	Amount remaining (line 7 minus line 8)	0	277,431,867
10	Interest on line 9 using prior year's actual return of 11.54%	0	32,015,637
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		0
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 6.03%		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance		0
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections		0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	309,447,504

Part III Funding Percentages

14	Funding target attainment percentage	14	122.50%
15	Adjusted funding target attainment percentage	15	122.50%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	121.40%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/25/2018	200,000,000	0			
			Totals ► 18(b)	200,000,000	18(c) 0

19	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
	a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
	b Contributions made to avoid restrictions adjusted to valuation date	19b	0
	c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	185,517,143

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
4.16 %	5.72 %	6.48%	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	62

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	**28**	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	**29**	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	**30**	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):

a Target normal cost (line 6)	**31a**	39,150,286
b Excess assets, if applicable, but not greater than line 31a	**31b**	667,737

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	145,521,757	22,809,808
b Waiver amortization installment	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	**33**	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	**34**	61,292,357

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	67,079,074	67,079,074

36 Additional cash requirement (line 34 minus line 35)	**36**	0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	185,517,143

38 Present value of excess contributions for current year (see instructions)

a Total (excess, if any, of line 37 over line 36)	**38a**	185,517,143
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	61,292,357
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	0
40 Unpaid minimum required contributions for all years	**40**	0

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:

a Schedule elected ☐ 2 plus 7 years ☐ 15 years

b Eligible plan year(s) for which the election in line 41a was made ☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

42 Amount of acceleration adjustment	**42**	
43 Excess installment acceleration amount to be carried over to future plan years	**43**	

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 7—Explanation of Discrepancy in Prior Year Funding Standard Carryover Balance or Prefunding Balance

The Prefunding Balance on line 7(b) does not match line 13(b) from the prior year, because line 7(b) has been adjusted for plan mergers. The 346,345,826 shown on Line 7(b) equals the total of all merged plans, which is developed further below.

The following mergers occurred during the 2017 plan year:

- Parker-Hannifin Consolidated Pension Plan (EIN: 34-0451060; PN: 001) ("Parker Plan") was merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of June 30, 2017.
- CLARCOR Inc. Pension Plan (EIN: 36-0922490; PN: 003) ("CLARCOR Plan") was merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of November 30, 2017.

Following the mergers, the Retirement Plan for Employees of Perry Equipment Corporation ("PECO Plan") was renamed Parker-Hannifin Consolidated Pension Plan – A.

Below is the carryover balance and prefunding balance for each of the merged plans and total based on the methodology approved by the IRS on May 29, 2019. Details pertaining to the funding method change can be found in the Line 25 attachment.

Legacy Plan	EIN	PN	Line 13(a) from prior year	Line 13(b) from prior year	Line 35 from prior year
PECO Plan	26-1200603	001	0	0	0
Parker Plan	34-0451060	001	0	346,345,826	68,913,959
CLARCOR Plan	36-0922490	003	0	0	0
Total			0	346,345,826	68,913,959

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 19—Discounted Employer Contributions

Year applied for contributions: 2017

Date	Amount	Days to Discount to 6/1/2017 at 5.87%[1]	Interest Adjusted Contribution
September 25, 2018	$ 200,000,000	481	$ 185,517,143
Total Contribution	$ 200,000,000		$ 185,517,143

[1]The effective interest rate of 5.87% pertains to the liabilities from the Parker-Hannifin Consolidated Pension Plan (EIN: 34-0451060; PN: 001) ("Parker Plan") which merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of June 30, 2017. While this contribution was made to the merged plan, it was primarily made due to the funding shortfall of the Parker Plan.

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 22—Description of Weighted Average Retirement Age

The average retirement age shown in line 22 has been calculated by assuming the following retirement rates and no decrements other than retirement for this calculation. All retirements are assumed to occur at mid-year, except for the 100% retirement age.

PECO Participants

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55.5	5.00%	1.0000	2.78
56.5	5.00%	0.9500	2.68
57.5	5.00%	0.9025	2.59
58.5	5.00%	0.8574	2.51
59.5	5.00%	0.8145	2.42
60.5	5.00%	0.7738	2.34
61.5	5.00%	0.7351	2.26
62.5	10.00%	0.6983	4.36
63.5	10.00%	0.6285	3.99
64.5	10.00%	0.5657	3.65
65	100.00%	0.5091	33.09
		Weighted Average	62.67

CLARCOR Participants

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55.5	5.00%	1.0000	2.78
56.5	5.00%	0.9500	2.68
57.5	5.00%	0.9025	2.59
58.5	5.00%	0.8574	2.51
59.5	5.00%	0.8145	2.42
60.5	5.00%	0.7738	2.34
61.5	5.00%	0.7351	2.26
62.5	10.00%	0.6983	4.36
63.5	10.00%	0.6285	3.99
64.5	10.00%	0.5657	3.65
65.5	30.00%	0.5091	10.00
66.5	50.00%	0.3564	11.85
67.5	50.00%	0.1782	6.01
68.5	50.00%	0.0891	3.05
69.5	50.00%	0.0445	1.55
70	100.00%	0.0223	1.56
		Weighted Average	63.60

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Hourly Plans with Age 55 Retirement Eligibility

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55.5	7.00%	1.0000	3.89
56.5	7.00%	0.9300	3.68
57.5	7.00%	0.8649	3.48
58.5	8.00%	0.8044	3.76
59.5	10.00%	0.7400	4.40
60.5	10.00%	0.6660	4.03
61.5	15.00%	0.5994	5.53
62.5	25.00%	0.5095	7.96
63.5	20.00%	0.3821	4.85
64.5	30.00%	0.3057	5.92
65.5	50.00%	0.2140	7.01
66.5	50.00%	0.1070	3.56
67.5	50.00%	0.0535	1.81
68.5	50.00%	0.0267	0.92
69.5	50.00%	0.0134	0.46
70	100.00%	0.0067	0.47
		Weighted Average	61.73

Hourly Plans with Age 60 Retirement Eligibility

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
60.5	10.00%	1.0000	6.05
61.5	15.00%	0.9000	8.30
62.5	25.00%	0.7650	11.95
63.5	20.00%	0.5738	7.29
64.5	30.00%	0.4590	8.88
65.5	50.00%	0.3213	10.52
66.5	50.00%	0.1607	5.34
67.5	50.00%	0.0803	2.71
68.5	50.00%	0.0402	1.38
69.5	50.00%	0.0201	0.70
70	100.00%	0.0100	0.70
		Weighted Average	63.82

Greenville

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55.5	20.00%	1.0000	11.10
56.5	20.00%	0.8000	9.04
57.5	20.00%	0.6400	7.36
58.5	20.00%	0.5120	5.99
59.5	20.00%	0.4096	4.87
60.5	35.00%	0.3277	6.94
61.5	35.00%	0.2130	4.58
62.5	45.00%	0.1384	3.89
63.5	40.00%	0.0761	1.93
64.5	30.00%	0.0457	0.88
65	100.00%	0.0320	2.08
		Weighted Average	58.66

Gresen and Former Snap-Tite Participants

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
62.5	25.00%	1.0000	15.63
63.5	25.00%	0.7500	11.91
64.5	25.00%	0.5625	9.07
65	100.00%	0.4219	27.42
		Weighted Average	64.03

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

NWL Retirement Plan - Less than 30 Years of Service

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55.5	17.00%	1.0000	9.44
56.5	17.00%	0.8300	7.97
57.5	17.00%	0.6889	6.73
58.5	18.00%	0.5718	6.02
59.5	20.00%	0.4689	5.58
60.5	20.00%	0.3751	4.54
61.5	25.00%	0.3001	4.61
62.5	20.00%	0.2251	2.81
63.5	15.00%	0.1800	1.71
64.5	25.00%	0.1530	2.47
65.5	50.00%	0.1148	3.76
66.5	50.00%	0.0574	1.91
67.5	50.00%	0.0287	0.97
68.5	50.00%	0.0143	0.49
69.5	50.00%	0.0072	0.25
70	100.00%	0.0036	0.25
		Weighted Average	59.51

NWL Retirement Plan - Over 30 Years of Service

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55.5	5.00%	1.0000	2.78
56.5	5.00%	0.9500	2.68
57.5	10.00%	0.9025	5.19
58.5	10.00%	0.8123	4.75
59.5	10.00%	0.7310	4.35
60.5	15.00%	0.6579	5.97
61.5	20.00%	0.5592	6.88
62.5	40.00%	0.4474	11.18
63.5	40.00%	0.2684	6.82
64.5	40.00%	0.1611	4.16
65	100.00%	0.0966	6.28
		Weighted Average	61.04

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Retirement Plan, Commercial Intertech and Wynn

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55.5	6.00%	1.0000	3.33
56.5	6.00%	0.9400	3.19
57.5	6.00%	0.8836	3.05
58.5	7.00%	0.8306	3.40
59.5	9.00%	0.7724	4.14
60.5	9.00%	0.7029	3.83
61.5	14.00%	0.6397	5.51
62.5	24.00%	0.5501	8.25
63.5	19.00%	0.4181	5.04
64.5	29.00%	0.3386	6.33
65.5	30.00%	0.2404	4.72
66.5	30.00%	0.1683	3.36
67.5	30.00%	0.1178	2.39
68.5	30.00%	0.0825	1.69
69.5	30.00%	0.0577	1.20
70	100.00%	0.0404	2.83
		Weighted Average	62.26

Retirement Table	Count	Average Retirement Age	Weight
PECO Participants	59	62.67	0.57%
CLARCOR Participants	458	63.60	4.39%
Hourly Plans with Age 55 Retirement Eligibility	4,722	61.73	45.22%
Hourly Plans with Age 60 Retirement Eligibility	359	63.82	3.44%
Greenville	16	58.66	0.15%
Gresen and Former Snap-Tite Plans	294	64.03	2.82%
NWL Retirement Plan - Less than 30 Years of Service	203	59.51	1.94%
NWL Retirement Plan - Over 30 Years of Service	80	61.04	0.77%
Retirement Plan, Commercial Intertech, and Wynn	4,251	62.26	40.70%
	10,442		
		Weighted Average Retirement Age	62.12

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, Part V—Statement of Actuarial Assumptions/Methods

Interest Rates	Based on segment rates with a four-month look-back (as of February 2017).
1st Segment Rate	4.16%.
2nd Segment Rate	5.72%.
3rd Segment Rate	6.48%.
Interest Rates for Maximum Tax Purpose	Based on segment rates with a four-month look-back (as of February 2017).
1st Segment Rate	1.60%.
2nd Segment Rate	3.79%.
3rd Segment Rate	4.74%.
Salary Increases	Legacy Consolidated: The merit amount shown in Table 1 plus 1.70%%. Legacy CLARCOR: 4.00%
Social Security Wage Base Increases	Future wage indices are based on a national wage increase of 3.50% per year.
Social Security COLA Increases	3.00%.
Optional Payment Form Election Percentage	
Legacy Consolidated Plan	
Former Wynn Participants	90% lump sum; 10% life annuity.
Former STI Participants	10-year certain and life for Autoclave benefit; 100% life annuity for all other benefits.
All Others	100% life annuity. 50% joint survivor for RMA and TPS benefits.
Other Participants	66.67% life annuity 33.33% Joint & Survivor annuity

Optional Payment Form Conversion Interest Rate	7.00% for RMA accounts. 6.00% for profit sharing accounts (prior plan balances). 7.50% for Legacy PECO. 417(e) rates of 1.96%, 3.58%, and 4.35%for Legacy CLARCOR. Same as funding interest rates above for lump sums.
Optional Payment Form Conversion Mortality	The mortality table described in Revenue Ruling 2001-62 for RMA accounts. The UP-1984 Unisex mortality table for profit sharing accounts (prior plan balances). Legacy PECO: 83 GAM Blended Mortality Table (50% male 50% female). Legacy CLARCOR: Current 417(e) table. Current 417(e) table for lump sums.
Retirement Age	
Active Participants	See Tables 2–9.
Future Terminated Vested Participants	Legacy PECO: Age 61. Legacy CLARCOR: Age 60. Legacy Consolidated: Age 62.
Existing Terminated Vested Participants	Legacy PECO: Age 65. Legacy CLARCOR: Age 65. Legacy Consolidated: Age 62. An 8.0% load is applied to Legacy PECO participants to account for early retirement subsidies.

Mortality Rates	
Healthy	2017 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e).
Disabled	2017 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e) for all participants except former Snap-tite plan participants. Revenue Ruling 96-7 mortality table for disability after December 31, 1994 is used for former Snap-tite plan participants.
Withdrawal Rates	See Tables 10–12.
Disability Rates	Legacy PECO and CLARCOR: None. Others: See Tables 13–14.
Surviving Spouse Benefit	
Legacy Consolidated Plan	For all participants except former Snap-tite plan participants, it is assumed that 85% of males and 50% of females have an eligible spouse, and that males are three years older than their spouses. For former Snap-tite plan participants, it is assumed that 85% of males and 85% of females have an eligible spouse, and that males are three years older than their spouses.
Legacy PECO and CLARCOR Plans	It is assumed that 100% of the participants are married, and that males are three years older than their spouses.
Benefit and Compensation Limits	Projected benefits and compensation are limited by the current IRC section 415 maximum benefit of $215,000 and the IRC section 401(a)(17) compensation limit of $270,000.

Valuation of Plan Assets	Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value. A characteristic of this method is that the expected distribution of the value of plan assets is skewed toward understatement relative to the corresponding market values for expected long-term rates of return in excess of the third segment rate under IRC section 430(h)(2)(C)(iii).
Expected Return on Assets	
2015 Plan Year	6.65%.
2016 Plan Year	6.00%.
2017 Plan Year	7.50%, limited to 6.48%.
Trust Expenses Included in Target Normal Cost	Prior year's expenses excluding PBGC premium plus current year's PBGC premium.
Actuarial Method	Standard unit credit cost method.
Valuation Date	June 1, 2017.

Table 1

Salary Merit Increase Rates—Legacy Consolidated

Age	Rate	Age	Rate
15	5.90%	45	3.15%
16	5.90%	46	3.04%
17	5.90%	47	2.93%
18	5.90%	48	2.82%
19	5.90%	49	2.71%
20	5.90%	50	2.60%
21	5.79%	51	2.49%
22	5.69%	52	2.38%
23	5.57%	53	2.27%
24	5.46%	54	2.16%
25	5.35%	55	2.05%
26	5.24%	56	1.94%
27	5.13%	57	1.83%
28	5.02%	58	1.72%
29	4.91%	59	1.61%
30	4.80%	60	1.50%
31	4.69%	61	1.39%
32	4.58%	62	1.28%
33	4.47%	63	1.17%
34	4.36%	64	1.06%
35	4.25%	65	0.95%
36	4.14%	66	0.50%
37	4.03%		
38	3.92%		
39	3.81%		
40	3.70%		
41	3.59%		
42	3.48%		
43	3.37%		
44	3.26%		

Table 2

Retirement Rates—Legacy PECO

Age	Rate
55	5.00%
56	5.00%
57	5.00%
58	5.00%
59	5.00%
60	5.00%
61	5.00%
62	10.00%
63	10.00%
64	10.00%
65	100.00%

Table 3

Retirement Rates—Legacy CLARCOR

Age	Rate
55	5.00%
56	5.00%
57	5.00%
58	5.00%
59	5.00%
60	5.00%
61	5.00%
62	10.00%
63	10.00%
64	10.00%
65	30.00%
66	50.00%
67	50.00%
68	50.00%
69	50.00%
70	100.00%

Table 4

Retirement Rates—Retirement Plan, Commercial Intertech and Wynn Sub-Plans 050, 138, 147, and 184

Age	Rate
55	6.00%
56	6.00%
57	6.00%
58	7.00%
59	9.00%
60	9.00%
61	14.00%
62	24.00%
63	19.00%
64	29.00%
65	30.00%
66	30.00%
67	30.00%
68	30.00%
69	30.00%
70+	100.00%

Table 5

Retirement Rates—Greenville Sub-Plan 126

Age	Rate
55	20.00%
56	20.00%
57	20.00%
58	20.00%
59	20.00%
60	35.00%
61	35.00%
62	45.00%
63	40.00%
64	30.00%
65+	100.00%

Table 6

Retirement Rates—NWL Retirement Plan
Sub-Plan 129

	Years of Service	
Age	**0–29**	**30+**
55	17.00%	5.00%
56	17.00%	5.00%
57	17.00%	10.00%
58	18.00%	10.00%
59	20.00%	10.00%
60	20.00%	15.00%
61	25.00%	20.00%
62	20.00%	40.00%
63	15.00%	40.00%
64	25.00%	40.00%
65	50.00%	100.00%
66	50.00%	100.00%
67	50.00%	100.00%
68	50.00%	100.00%
69	50.00%	100.00%
70+	100.00%	100.00%

Table 7

Retirement Rates—Hourly Plans With Age 55 Retirement Eligibility
Sub-Plans 001,104,116,117,148,149,150 and 151

Age	Rate
55	7.00%
56	7.00%
57	7.00%
58	8.00%
59	10.00%
60	10.00%
61	15.00%
62	25.00%
63	20.00%
64	30.00%
65	50.00%
66	50.00%
67	50.00%
68	50.00%
69	50.00%
70+	100.00%

Table 8

Retirement Rates—Hourly Plans With Age 60 Retirement Eligibility
Sub-Plans 011,139,158 and 161

Age	Rate
60	10.00%
61	15.00%
62	25.00%
63	20.00%
64	30.00%
65	50.00%
66	50.00%
67	50.00%
68	50.00%
69	50.00%
70+	100.00%

Table 9

Retirement Rates—Gresen and Former Snap-tite Participants
Sub-Plans 140, 188, 189, and 190

Age	Rate
55	0.00%
56	0.00%
57	0.00%
58	0.00%
59	0.00%
60	0.00%
61	0.00%
62	25.00%
63	25.00%
64	25.00%
65+	100.00%

Table 10

Withdrawal Rates—Legacy PECO

Age	Rate	Age	Rate
15	9.00%	40	5.00%
16	9.00%	41	4.80%
17	9.00%	42	4.60%
18	9.00%	43	4.40%
19	9.00%	44	4.20%
20	9.00%	45	4.00%
21	8.80%	46	3.80%
22	8.60%	47	3.60%
23	8.40%	48	3.40%
24	8.20%	49	3.20%
25	8.00%	50	3.00%
26	7.80%	51	2.80%
27	7.60%	52	2.60%
28	7.40%	53	2.40%
29	7.20%	54	2.20%
30	7.00%	55	2.00%
31	6.80%	56	1.80%
32	6.60%	57	1.60%
33	6.40%	58	1.40%
34	6.20%	59	1.20%
35	6.00%	60+	0.00%
36	5.80%		
37	5.60%		
38	5.40%		
39	5.20%		

Table 11

Withdrawal Rates—Legacy CLARCOR

Age	Rate	Age	Rate
15	9.00%	45	4.00%
16	9.00%	46	3.80%
17	9.00%	47	3.60%
18	9.00%	48	3.40%
19	9.00%	49	3.20%
20	9.00%	50	3.00%
21	8.80%	51	2.80%
22	8.60%	52	2.60%
23	8.40%	53	2.40%
24	8.20%	54	2.20%
25	8.00%	55	2.00%
26	7.80%	56	1.60%
27	7.60%	57	1.20%
28	7.40%	58	0.80%
29	7.20%	59	0.40%
30	7.00%	60+	0.00%
31	6.80%		
32	6.60%		
33	6.40%		
34	6.20%		
35	6.00%		
36	5.80%		
37	5.60%		
38	5.40%		
39	5.20%		
40	5.00%		
41	4.80%		
42	4.60%		
43	4.40%		
44	4.20%		

Table 12—Page 1 of 2

Withdrawal Rates—Legacy Consolidated Plan

	Years of Service					
Age	**0**	**1**	**2**	**3**	**4**	**5+**
20	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
21	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
22	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
23	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
24	37.50%	31.25%	25.00%	20.88%	16.63%	12.50%
25	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
26	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
27	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
28	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
29	33.00%	27.50%	22.00%	18.38%	14.63%	11.00%
30	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
31	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
32	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
33	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
34	28.13%	23.50%	18.75%	15.63%	12.50%	9.38%
35	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
36	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
37	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
38	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
39	23.63%	19.75%	15.75%	13.13%	10.50%	7.88%
40	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
41	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
42	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
43	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
44	18.75%	15.63%	12.50%	10.38%	8.38%	6.25%
45	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%
46	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%
47	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%
48	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%
49	16.88%	14.13%	11.25%	9.38%	7.50%	5.63%

Table 12—Page 2 of 2

Withdrawal Rates—Legacy Consolidated Plan

	Years of Service					
Age	**0**	**1**	**2**	**3**	**4**	**5+**
50	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
51	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
52	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
53	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
54	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
55	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
56	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
57	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
58	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
59	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%
60+	15.00%	12.50%	10.00%	8.38%	6.63%	5.00%

Table 13

Disability Rates—Hourly and Former Snap-tite Participants

Age	Male	Female	Age	Male	Female
15	0.044%	0.039%	45	0.505%	0.522%
16	0.047%	0.042%	46	0.556%	0.570%
17	0.051%	0.045%	47	0.616%	0.628%
18	0.055%	0.048%	48	0.682%	0.695%
19	0.059%	0.051%	49	0.751%	0.770%
20	0.064%	0.055%	50	0.830%	0.854%
21	0.069%	0.060%	51	0.922%	0.947%
22	0.074%	0.066%	52	1.033%	1.052%
23	0.080%	0.074%	53	1.170%	1.181%
24	0.086%	0.084%	54	1.330%	1.334%
25	0.093%	0.096%	55	1.502%	1.490%
26	0.100%	0.108%	56	1.674%	1.630%
27	0.108%	0.121%	57	1.836%	1.733%
28	0.116%	0.135%	58	1.984%	1.753%
29	0.125%	0.149%	59	2.126%	1.773%
30	0.134%	0.165%	60	2.266%	1.793%
31	0.145%	0.181%	61	2.408%	1.813%
32	0.157%	0.198%	62	2.558%	1.833%
33	0.170%	0.215%	63	2.712%	1.903%
34	0.184%	0.234%	64	2.868%	1.992%
35	0.199%	0.252%	65	3.028%	2.095%
36	0.216%	0.272%	66	3.199%	2.207%
37	0.237%	0.293%	67	3.382%	2.322%
38	0.260%	0.314%	68	3.577%	2.441%
39	0.286%	0.335%	69+	3.781%	2.567%
40	0.314%	0.357%			
41	0.345%	0.383%			
42	0.000%	0.000%			
43	0.419%	0.447%			
44	0.460%	0.482%			

Table 14

Disability Rates—Salaried and Wynn Participants

Age	Male	Female	Age	Male	Female
15	0.021%	0.023%	45	0.202%	0.323%
16	0.023%	0.025%	46	0.226%	0.354%
17	0.024%	0.026%	47	0.255%	0.391%
18	0.025%	0.027%	48	0.286%	0.434%
19	0.027%	0.029%	49	0.320%	0.480%
20	0.029%	0.030%	50	0.358%	0.533%
21	0.030%	0.032%	51	0.405%	0.592%
22	0.032%	0.035%	52	0.465%	0.660%
23	0.034%	0.038%	53	0.539%	0.745%
24	0.036%	0.042%	54	0.626%	0.847%
25	0.038%	0.047%	55	0.722%	0.952%
26	0.040%	0.052%	56	0.822%	1.045%
27	0.042%	0.058%	57	0.924%	1.115%
28	0.044%	0.065%	58	1.030%	1.130%
29	0.046%	0.072%	59	1.141%	1.144%
30	0.048%	0.080%	60	1.256%	1.159%
31	0.050%	0.089%	61	1.368%	1.173%
32	0.054%	0.099%	62	1.475%	1.188%
33	0.058%	0.110%	63	1.572%	1.234%
34	0.064%	0.123%	64	1.663%	1.292%
35	0.069%	0.136%	65	1.753%	1.358%
36	0.077%	0.150%	66	1.846%	1.430%
37	0.085%	0.165%	67	1.950%	1.505%
38	0.095%	0.180%	68	2.063%	1.582%
39	0.105%	0.195%	69+	2.180%	1.664%
40	0.117%	0.211%			
41	0.131%	0.229%			
42	0.000%	0.000%			
43	0.164%	0.273%			
44	0.182%	0.296%			

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, Part V—Summary of Plan Provisions

Legacy PECO

Effective Date	May 17, 2002. Amended and restated effective December 1, 2011.
Eligibility for Participation	Age 21, completion of one year of service, and not a member of a collective bargaining unit. Effective July 15, 2000, the plan was closed to new entrants.
Plan Year	December 1 to November 30.
Benefit Accrual Status	Frozen.
Normal Retirement	
Eligibility	Age 65.
Benefit	A monthly amount equal to the adjusted frozen accrued benefit determined as of July 15, 2000 under the prior plan document.
Early Retirement	
Eligibility	Age 55 and five years of service.
Benefit	A monthly benefit equal to the normal retirement benefit reduced by 1/240 of 1% for each month the early retirement precedes the normal retirement.
Vested Termination	
Eligibility	Five years of vesting service.
Benefit	The accrued benefit at the date of termination. Reduced payments may begin any time after eligibility for early retirement based on the same reductions as early retirement from active status.
Disability	
Eligibility	As defined in the prior plan document.
Benefit	A single life annuity that is actuarially equivalent to the accrued benefit.

Surviving Spouse	
Eligibility	Five years of vesting service.
Benefit	A single life annuity that is actuarially equivalent to the accrued benefit. Payment can commence at the earliest date the participant would have been eligible to receive early retirement or a deferred vested benefit.
Normal Form of Annuity	
Without Spouse	Ten year certain and life annuity.
With Spouse	50% joint and survivor annuity expressed as the actuarial equivalent of the 10-year certain and life annuity.
Optional Forms of Annuity	Single life annuity 5-year certain and life annuity 10-year certain and life annuity 15-year certain and life annuity 50% joint and survivor annuity 75% joint and survivor annuity 100% joint and survivor annuity
Actuarial Equivalence	83 GAM Blended Mortality Table (50% male/50% female) and 7.5% interest rate.
Definitions	
Benefit Service	Accruals were frozen as of July 15, 2000.
Vesting Service	All participants credited with at least one hour of service on or after July 15, 2000 are 100% vested in their accrued benefit.

Legacy CLARCOR

Effective Date	December 1, 1997. Amended and restated effective January 1, 2011.
Eligibility for Participation	One year of vesting service and not a member of a collective bargaining unit. Participation was frozen to new entrants effective December 1, 2003.
Plan Year	December 1 to November 30.
Benefit Accrual Status	Partially frozen.
Normal Retirement	
Eligibility	Age 65.
Benefit	A monthly amount equal to the sum of (1), (2) and (3): (1) The prior plan accrued benefit as of November 30, 1989. (2) For each year of participation beginning December 1, 1989, 1.20% of considered compensation. (3) For each year of participation beginning December 1, 1989, 0.55% of considered compensation in excess of covered compensation. The years of participation are limited to 35 years minus the number of years taken into account to determine the November 30, 1989 accrued benefit. Participants who had not attained age 40 and did not have 10 years of service as of December 31, 2003, or made a one-time election, had their accruals frozen at that time.

Early Retirement

Eligibility

Age 60.

Benefit

A monthly benefit equal to the normal retirement benefit reduced by the following factors:

For benefits accrued after July 31, 1983:

Age	Factor
60	0.6638
61	0.7180
62	0.7779
63	0.8442
64	0.9179
65	1.0000

For benefits accrued prior to August 1, 1983:

Age	Female/Male
60	0.6867/0.6638
61	0.7380/0.7181
62	0.7944/0.7781
63	0.8564/0.8445
64	0.9247/0.9181
65	1.0000/1.0000

Vested Termination

Eligibility

Five years of vesting service.

Benefit

The accrued benefit at the date of termination. Reduced payments may begin any time after eligibility for early retirement based on the same reductions as early retirement from active status.

Disability

Eligibility

Totally and permanently disabled.

Benefit

The accrued benefit based at the date of disability. Reduced payments may begin any time after eligibility for early retirement based on the same reductions as early retirement from active status.

Surviving Spouse	
Eligibility	Five years of vesting service.
Benefit	A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 100% of the amount payable if the participant had retired early with a 100% joint and survivor benefit.
Normal Form of Annuity	
Without Spouse	Ten year certain and life annuity.
With Spouse	100% joint and survivor annuity expressed as the actuarial equivalent of the 10-year certain and life annuity.
Optional Forms of Annuity	Single life annuity 10-year certain and life annuity 20-year certain and life annuity 50% joint and survivor annuity 100% joint and survivor annuity 100% joint and survivor annuity with 10 years certain Life annuity with cash refund
Actuarial Equivalence	
Benefits Accrued After July 31, 1983	Unisex Pension 1984 Mortality Table and 4.5% interest.
Benefits Accrued Prior to August 1, 1983	Male 1951 GAM table projected to 1965 and the female 1951 GAM table projected to 1965 and 4.5% interest.
Effective November 30, 2017	Applicable mortality table and interest rate under Section 417(e)3 based on the fourth month preceding the beginning of the calendar year containing the Annuity Starting Date.
Definitions	
Benefit Service	Period from date of participation to date benefit accruals ceased or date of termination or retirement, measured in years and completed days.
Vesting Service	Period from date of hire to date of termination or retirement measured in years and completed days.
Considered Compensation	Total compensation for the plan year excluding reimbursements or other expense allowances, fringe benefits, moving expenses, deferred compensation and amounts realized from the exercise of stock options.

Covered Compensation	Average of taxable wage bases for 35 calendar years ending with year in which participant attains Social Security retirement age.

Appendix A—The Timms Spring Company

Effective Date	There are no active employees of The Timms Spring Company as of the January 1, 2011 restatement.

Appendix B—The Michigan Spring Company

Effective Date	There are no active employees of The Michigan Spring Company as of the January 1, 2011 restatement.

Appendix C—Purolator Products Group (Non-Union Employees)

Effective Date	Appendix effective September 11, 1999.
Eligibility for Participation	Purolator Products Air Filtration Company, Purolator Facet, Inc. Facet USA, Inc. or Purolator CAFCO employees not covered by a collective bargaining unit are eligible to participate on September 11, 1999 (December 10, 1999 for CAFCO). Other eligible employees are eligible to participate after attaining one year or service. Participation is frozen to new entrants effective December 1, 2003.
Benefit Accrual Status	Partially frozen.
Normal Retirement	
Eligibility	Age 65.
Benefit	A monthly amount equal to the sum of (1) and (2): (1) For each year of participation, 1.10% of considered compensation. (2) For each year of participation, 0.50% of considered compensation in excess of covered compensation. The years of participation are limited to 35 years. Participants who had not attained age 40 and did not have 10 years of service as of December 31, 2003, or made a one-time election, had their accruals frozen at that time.
Early Retirement	
Eligibility	Age 55 and 10 years of vesting service.
Benefit	A monthly benefit equal to the normal retirement benefit reduced by1/6 of 1% for each of the first 60 months and 1/3 of 1% for each of the next 60 months that early retirement precedes normal retirement.

Vested Termination

Eligibility: Five years of vesting service.

Benefit: The accrued benefit at the date of termination. Reduced payments may begin any time after attaining age 55 reduced by the following factors:

Age	Factor
55	0.4312
56	0.4648
57	0.5018
58	0.5428
59	0.5883
60	0.6389
61	0.6954
62	0.7586
63	0.8295
64	0.9095
65	1.0000

Disability

Eligibility: Totally and permanently disabled.

Benefit: The accrued benefit based at the date of disability. Reduced payments may begin any time after attaining age 55 based on the same reductions as early retirement from active status.

Surviving Spouse

Eligibility: Five years of vesting service.

Benefit: A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 50% of the amount payable if the participant had retired early with a 50% joint and survivor benefit.

Normal Form of Annuity

Without Spouse: Single life annuity.

With Spouse: 50% joint and survivor annuity.

Optional Forms of Annuity:
Single life annuity
10-year certain and life annuity
20-year certain and life annuity
50% joint and survivor annuity
75% joint and survivor annuity
100% joint and survivor annuity
100% joint and survivor annuity with 10-years certain

Actuarial Equivalence	Unisex Pension 1984 Mortality Table and 4.5% interest rate.
Effective November 30, 2017	Applicable mortality table and interest rate under Section 417(e)3 based on the fourth month preceding the beginning of the calendar year containing the Annuity Starting Date.
Definitions	
Benefit Service	Period from date of participation to date benefit accruals ceased or date of termination or retirement, measured in years and completed days. Participation date is no earlier than the acquisition date.
Vesting Service	Period from date of hire to date of termination or retirement measured in years and completed days. Service prior to the acquisition is included.
Considered Compensation	Total compensation for the plan year excluding reimbursements or other expense allowances, fringe benefits, moving expenses, deferred compensation and amounts realized from the exercise of stock options.
Covered Compensation	Average of taxable wage bases for 35 calendar years ending with year in which participant attains Social Security retirement age.

Appendix D—Purolator Products Air Filtration Company (Union Employees)

Effective Date	Appendix effective September 11, 1999.
Eligibility for Participation	Henderson, N.C. hourly employee of Purolator Products Air Filtration Company covered under a collective bargaining agreement providing participation in the plan.
Benefit Accrual Status	All participants are now inactive.
Normal Retirement	
Eligibility	Age 65.
Benefit	Frozen accrued benefit as of January 31, 2002.
Early Retirement	
Eligibility	Ten years of vesting service with 65 points based on age and supplemental benefit service.
Benefit	A monthly benefit equal to the normal retirement benefit reduced by ¼ of 1% for each month that early retirement precedes normal retirement.
Vested Termination	
Eligibility	Five years of vesting service.
Benefit	The accrued benefit at the date of termination. Reduced payments may begin any time after attaining age 55 reduced by ½ of 1% for each month that early retirement precedes normal retirement.
Disability	
Eligibility	10 years of vesting service and deemed totally and permanently disabled.
Benefit	Benefit service continues to accrue until a benefit is payable to the participant.
Surviving Spouse	
Eligibility	Five years of vesting service.
Benefit	A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 50% of the amount payable if the participant had retired early with a 50% joint and survivor benefit.

Normal Form of Annuity	
Without Spouse	Single life annuity.
With Spouse	50% joint and survivor annuity.
Optional Forms of Annuity	Single life annuity 50% joint and survivor annuity 75% joint and survivor annuity 100% joint and survivor annuity
Actuarial Equivalence	Unisex Pension 1984 Mortality Table and 4.5% interest rate.
Effective November 30, 2017	Applicable mortality table and interest rate under Section 417(e)3 based on the fourth month preceding the beginning of the calendar year containing the Annuity Starting Date.
Definitions	
Benefit Service	Service accrued on or after September 11, 1999.
Supplemental Benefit Service	Vesting service prior to September 11, 1999 plus employer benefit service.

Legacy Consolidated Plan

Former Hourly Pension Plan (Sub-Plan 001)

Plan Sponsor	Parker Hannifin Corporation
EIN/PN	34-0451060/001
Effective Date	May 1, 1969, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, nonbargaining employees at this location will become Plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 1997 Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then one-year credit will be granted for each full 170 hours of service. (B) Years of service after July 1, 1997 One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 1997 Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,700 hours. If less than 1,700 hours, then one-year credit will be granted for each full 170 hours of service. (D) Years of participation after July 1, 1997 One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.

Normal Retirement

Eligibility is age 65 and completion of five years of service.

The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown).

Irvine, CA (Jamboree Blvd.)
(00201H, 00203H, 00202H, 00205H)

Date of Retirement			
On or After	But Before	Benefit Unit	Maximum Years of Participation
07-01-76	05-01-77	$ 7.00	35
05-01-77	05-01-78	8.00	35
05-01-78	05-01-79	9.00	35
05-01-79	05-01-80	10.00	35
05-01-80	05-01-81	11.00	35
05-01-81	05-01-82	12.00	40
05-01-82	05-01-84	12.50	40
05-01-84	05-01-85	13.00	40
05-01-85	05-01-86	13.50	40
05-01-86	05-01-87	14.00	40
05-01-87	05-01-88	14.50	40
05-01-88	05-01-89	15.00	40
05-01-89	02-01-91	15.50	40
02-01-91	06-01-92	16.50	40
06-01-92	06-01-93	18.00	40
06-01-93	06-01-94	19.50	40
06-01-94	07-01-95	20.50	40
07-01-95	07-01-96	21.50	40
07-01-96	07-01-97	23.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Huntsville, AL (006H)				
Huntsville, AL—Plant #2 (349H)	07-01-76	12-01-77	$ 4.00	25
	12-01-77	12-01-78	4.50	25
	12-01-78	12-01-79	5.00	25
	12-03-79	12-01-80	5.50	25
	12-01-80	12-01-81	6.00	25
	12-01-81	12-06-82	7.00	25
	12-06-82	12-05-83	7.50	25
	12-05-83	12-03-84	8.00	25
	12-03-84	12-01-85	8.50	25
	12-01-85	12-01-86	9.00	25
	12-08-86	12-01-87	10.25	30
	12-01-87	12-01-88	11.00	30
	12-01-88	12-01-89	11.75	30
	12-01-89	12-01-90	12.25	30
	12-01-90	12-01-91	13.00	30
	12-01-91	12-01-92	14.00	35
	12-01-92	12-01-93	15.00	35
	12-01-93	12-01-94	16.00	35
	12-01-94	12-01-95	17.00	35
	12-01-95	12-01-96	18.00	35
	12-01-96	12-01-97	19.00	40
	12-01-97	12-01-98	20.00	40
	12-01-98	12-01-99	21.00	40
	12-01-99	12-01-00	22.50	40
	12-01-00	12-01-01	24.00	40
	12-01-01	12-01-02	25.00	40
	12-01-02	06-01-04	27.00	40
	06-01-04	12-01-04	28.00	40
	12-01-04	12-01-05	29.00	40
	12-01-05	12-01-06	30.00	40
	12-01-06	12-01-07	31.50	40
	12-01-07	12-01-08	33.00	40
	12-01-08	07-01-10	34.00	40
	07-01-10	07-01-12	35.00	40
	07-01-12	07-01-14	36.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Lyons, NY (022H, 023H)	07-01-10		$35.00	40
	07-01-76	12-01-76	6.00	30
	12-01-76	12-01-77	6.50	30
	12-01-77	12-01-79	7.00	30
	12-01-79	12-01-80	7.50	30
	12-01-80	12-01-81	8.00	30
	12-01-81	12-01-82	9.00	30
	12-01-82	12-01-83	9.50	30
	12-01-83	12-01-84	10.00	30
	12-01-84	12-01-85	10.50	30
	12-01-85	12-01-86	11.00	30
	12-01-86	12-01-87	11.50	35
	12-01-87	12-01-88	12.00	35
	12-01-88	12-01-89	12.50	35
	12-01-89	12-01-90	13.00	35
	12-01-90	12-01-91	13.75	35
	12-01-91	12-01-92	14.50	35
	12-01-92	12-01-93	15.25	35
	12-01-93	12-01-94	16.00	35
	12-01-94	12-01-95	16.75	35
	12-01-95	12-01-96	17.50	35
	12-01-96	12-01-97	18.25	35
	12-01-97	12-01-98	19.00	40
	12-01-98	12-01-99	20.00	40
	12-01-99	12-01-01	21.00	40
	12-01-00	12-01-02	22.00	40
	12-01-02	12-01-04	22.50	40
	12-01-04	12-01-06	23.00	40
	12-01-06	Closed	23.50	40
Clyde, NY (028H)	07-01-76	12-01-76	$ 6.00	30
	12-01-76	12-01-77	6.50	30
	12-01-77	12-01-79	7.00	30
	12-01-79	12-01-80	7.50	30
	12-01-80	12-01-81	8.00	30
	12-01-81	12-01-82	9.00	30
	12-01-82	12-01-83	9.50	30
	12-01-83	12-01-84	10.00	30
	12-01-84	12-01-85	10.50	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	12-01-85	12-01-86	$11.00	30
	12-01-86	12-01-87	11.50	35
	12-01-87	12-01-88	12.00	35
	12-01-88	12-01-89	12.50	35
	12-01-89	12-01-90	13.00	35
	12-01-90	12-01-91	13.75	35
	12-01-91	12-01-92	14.50	35
	12-01-92	12-01-94	15.25	35
	12-01-94	07-01-95	16.75	35
	07-01-95	07-01-96	17.50	40
	07-01-96	07-01-97	18.25	40
	07-01-97	07-01-98	19.00	40
	07-01-98	07-01-99	20.00	40
	07-01-99	07-01-01	21.00	40
	07-01-00	07-01-01	22.00	40
	07-01-01	07-01-02	23.00	40
	07-01-02	07-01-03	24.00	40
Otsego, MI (017H, 018H, 044H)				
Richland, MI (009H)	07-01-76	04-01-77	$ 6.00	30
	04-01-77	04-01-78	6.50	30
	04-01-78	04-01-79	7.00	30
	04-01-79	04-01-80	7.50	30
	04-01-80	04-01-81	8.50	35
	04-01-81	04-01-82	9.50	35
	04-01-82	04-01-83	10.25	35
	04-01-83	04-01-84	11.00	35
	04-01-84	04-01-85	11.50	35
	04-01-85	04-01-86	12.00	35
	04-01-86	04-01-87	12.50	35
	04-01-87	04-01-88	13.00	35
	04-01-88	04-01-89	13.50	35
	04-01-89	04-01-90	14.00	35
	04-01-90	04-01-91	14.50	35
	04-01-91	04-01-92	15.00	40
	04-01-92	04-01-93	16.00	40
	04-01-93	04-01-94	17.00	40
	04-01-94	04-01-95	18.00	40
	04-01-95	04-01-96	19.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	04-01-96	04-01-97	$20.00	40
	04-01-97	04-01-98	21.00	40
	04-01-98	04-01-99	22.00	40
	04-01-99	04-01-00	23.00	40
	04-01-00	04-01-01	25.00	40
	04-01-01	04-01-02	26.00	40
	04-01-02	04-01-03	27.00	40
	04-01-03	10-01-04	28.00	40
	10-01-04	04-01-05	29.00	40
	04-01-05	04-01-06	30.00	40
	04-01-06	04-01-07	31.00	40
	04-01-07	04-01-08	32.00	40
	04-01-08	04-01-10	32.50	40
	04-01-10	04-01-11	33.50	40
	04-01-11	04-01-12	34.50	40
	04-01-12	04-01-13	35.50	40
	04-01-13	04-01-14	36.50	40
	04-01-14	04-01-15	37.50	40
	04-01-15	04-01-16	38.50	40
	04-01-16	04-01-17	39.00	40
Lithia Springs, GA (045H)	07-01-76	08-01-76	$ 3.50	25
	08-01-76	08-01-77	4.50	25
	08-01-77	08-01-78	5.50	25
	08-01-78	08-01-79	6.00	25
	08-01-79	08-01-80	6.50	25
	08-01-80	08-01-81	7.00	25
	08-01-81	08-01-82	7.75	25
	08-01-82	08-01-83	8.50	25
	08-01-83	08-01-84	9.25	25
	08-01-84	08-01-85	9.75	25
	08-01-85	08-01-86	10.50	25
	08-01-86	08-01-87	11.25	25
	08-01-87	08-01-88	12.00	25
	08-01-88	08-01-90	12.75	25
	08-01-90	08-01-91	13.50	25
	08-01-91	08-01-92	14.00	25
	08-01-92	08-01-93	14.50	25
	01-01-93	01-01-94	15.50	25
	08-01-94	08-01-95	16.00	25
	08-01-95	08-01-96	17.00	32

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	08-01-96	08-01-97	$17.75	32
	08-01-97	08-01-99	18.50	32
	08-01-99	08-01-01	19.50	32
	08-01-01	08-01-02	21.75	35
	08-01-02	08-01-04	23.00	35
	02-01-04	08-01-04	24.25	35
	08-01-04	08-01-05	25.25	35
	08-01-05	08-01-07	26.25	35
	08-01-07	08-01-08	27.00	35
	08-01-08	08-01-10	28.00	35
	08-01-10	08-01-11	28.50	35
	08-01-11	08-01-12	29.00	35
	08-01-12	08-01-13	29.50	40
	08-01-13	08-01-14	30.00	40
	08-01-14	08-01-15	30.50	40
	08-01-15	08-01-16	31.00	40
	08-01-16	08-01-17	31.50	40
	08-01-17	08-01-18	32.00	40
Elyria, OH—Valve (060H)	10-01-76	10-01-77	$ 5.00	35
	10-01-77	10-01-78	5.50	35
	10-01-78	10-01-79	6.25	35
	10-01-79	10-01-81	8.25	35
	10-01-81	10-01-82	9.25	35
	10-01-82	09-30-83	10.25	35
	09-30-83	09-30-84	11.00	36
	09-30-84	10-01-85	11.75	37
	10-01-85	10-01-86	12.50	40
	10-01-86	06-01-87	13.00	40
	06-01-87	10-01-88	13.50	40
	10-01-88	10-01-89	14.00	40
	10-01-89	10-01-90	14.50	Unlimited
	10-01-90	10-01-91	15.00	Unlimited
	10-01-91	10-01-92	15.50	Unlimited
	10-01-92	10-01-93	16.00	Unlimited
	10-01-93	10-01-94	16.50	Unlimited
	10-01-94	10-01-95	17.25	Unlimited
	10-01-95	10-01-96	18.00	Unlimited
	10-01-96	10-01-97	18.50	Unlimited
	10-01-97	10-01-98	19.00	Unlimited
	10-01-98	10-01-99	19.50	Unlimited
	10-01-99	10-01-00	20.00	Unlimited

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	10-01-00	10-01-01	$20.50	Unlimited
	10-01-01	10-01-02	21.50	Unlimited
	10-01-02	04-01-04	22.50	Unlimited
	04-01-04	10-01-04	23.50	Unlimited
	10-01-04	10-01-05	24.50	Unlimited
	10-01-05	10-01-06	25.50	Unlimited
	10-01-06	10-01-07	26.50	Unlimited
	10-01-07	10-01-08	27.50	Unlimited
	10-01-08	10-01-10	28.50	Unlimited
	10-01-10	10-01-10	29.50	Unlimited
	10-01-11	10-01-12	30.50	Unlimited
	10-01-12	10-01-13	31.00	Unlimited
	10-01-13	10-01-14	31.50	Unlimited
	10-01-14	10-01-15	32.00	Unlimited
	10-01-15	10-01-16	32.50	Unlimited
	10-01-16	10-01-17	33.00	Unlimited
	10-01-17	10-01-18	33.50	Unlimited
Kent, OH (029H)	07-01-76	06-01-77	$ 5.00	25
	06-01-77	06-01-78	5.50	25
	06-01-78	04-01-80	6.00	25
	04-01-80	04-01-81	7.00	30
	04-01-81	04-01-82	8.00	30
	04-01-82	04-01-83	8.75	30
	04-01-83	04-01-84	9.25	30
	04-01-84	04-01-85	9.75	30
	04-01-85	04-01-86	10.25	32
	04-01-86	04-01-87	10.75	32
	04-01-87	07-01-88	11.25	32
	07-01-88	07-01-89	12.00	32
	07-01-89	07-01-90	12.50	32
	07-01-90	07-01-91	13.00	35
	07-01-91	07-01-92	14.00	35
	07-01-92	07-01-93	14.75	35
	07-01-93	07-01-94	15.75	35
	07-01-94	07-01-95	16.75	35
	07-01-95	07-01-96	17.75	35
	07-01-96	07-01-97	18.50	35
	07-01-97	07-01-98	19.50	35
	07-01-98	07-01-99	20.50	35
	07-01-99	07-01-00	21.50	35
	07-01-00	07-01-01	23.50	35
	07-01-01	07-01-02	24.50	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-02	01-01-04	$25.50	35
	01-01-04	07-01-04	26.50	40
	07-01-04	07-01-05	27.50	40
	07-01-05	07-01-06	28.50	40
	07-01-06	07-01-07	29.50	40
	07-01-07	07-01-08	30.00	40
	07-01-08	07-01-10	30.50	40
	07-01-10	07-01-11	31.00	40
	07-01-11	07-01-12	31.50	40
	07-01-12	07-01-13	32.50	40
	07-01-13	07-01-14	33.50	40
	07-01-14	07-01-15	34.50	40
	07-01-15	07-01-16	35.50	40
	07-01-16	07-01-17	36.00	40
Ravenna, OH (063H)	07-01-76	06-01-77	$ 5.00	25
	06-01-77	06-01-78	5.50	25
	06-01-78	04-01-80	6.00	25
	04-01-80	04-01-81	7.00	30
	04-01-81	04-01-82	8.00	30
	04-01-82	04-01-83	8.75	30
	04-01-83	04-01-84	9.25	30
	04-01-84	04-01-85	9.75	30
	04-01-85	04-01-86	10.25	32
	04-01-86	04-01-87	10.75	32
	04-01-87	07-01-88	11.25	32
	07-01-88	07-01-89	12.00	32
	07-01-89	07-01-90	12.50	32
	07-01-90	07-01-91	13.00	35
	07-01-91	07-01-92	14.00	35
	07-01-92	07-01-93	14.75	35
	07-01-93	07-01-94	15.75	35
	07-01-94	07-01-95	16.75	35
	07-01-95	07-01-96	17.75	35
	07-01-96	07-01-97	18.50	35
	07-01-97	07-01-98	19.50	35
	07-01-98	07-01-99	20.50	35
	07-01-99	07-01-00	21.50	35
	07-01-00	07-01-01	23.50	35
	07-01-01	07-01-02	24.50	35
	07-01-02	01-01-04	25.50	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	01-01-04	07-01-04	$26.50	40
	07-01-04	07-01-05	27.50	40
	07-01-05	07-01-06	28.50	40
	07-01-06	07-01-07	30.00	40
	07-01-07	07-01-13	31.00	40
Portland, OR—PSC (082H)	04-01-81	04-01-82	$ 6.50	30
	04-01-82	04-01-84	7.00	30
	04-01-84	04-01-86	7.75	30
	04-01-86	04-01-87	8.00	30
	04-01-87	04-01-88	8.25	30
	04-01-88	04-01-89	9.00	30
	04-01-89	04-01-90	10.00	30
	04-01-90	04-01-91	11.00	30
	04-01-91	04-01-92	12.00	30
	04-01-92	04-01-93	12.50	30
	04-01-93	04-01-94	13.00	30
	04-01-94	04-01-95	14.00	30
	04-01-95	04-01-96	15.00	30
	04-01-96	04-01-97	16.00	30
	04-01-97	04-01-98	17.00	30
	04-01-98	04-01-99	17.50	30
	04-01-99	04-01-00	18.50	30
	04-01-00	04-01-01	19.00	30
	04-01-01	04-01-02	20.00	30
	04-01-02	04-01-03	21.00	30
	04-01-03	10-01-04	21.50	30
	10-01-04	04-01-05	22.50	30
	04-01-05	04-01-06	23.50	30
	04-01-06	01-01-07	24.50	30
	01-01-07	04-01-07	24.50	35
	04-01-07	04-01-08	25.50	35
	04-01-08	04-01-10	26.50	35
	04-01-10	04-01-11	27.50	35
	04-01-11	04-01-12	28.50	35
	04-01-12	04-01-13	29.50	35
	04-01-13	04-01-14	30.50	35
	04-01-14	04-01-15	31.50	35
	04-01-15	04-01-16	32.50	35
	04-01-16	04-01-18	33.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Santa Fe Springs, CA (053H—Closed)				
Corona, CA—Cylinder (337H)	07-01-76	11-01-76	$ 1.50	30
	11-01-76	11-01-77	4.50	30
	11-01-77	11-01-78	5.50	30
	11-01-78	11-01-79	6.00	30
	11-01-79	11-01-80	6.50	30
	11-01-80	11-01-81	7.00	30
	11-01-81	11-01-82	7.50	30
	11-01-82	11-01-83	8.25	30
	11-01-83	11-01-84	9.00	30
	11-01-84	11-01-85	9.75	30
	11-01-85	11-01-86	10.50	30
	11-01-86	11-01-87	11.25	30
	11-01-87	11-01-88	11.75	30
	11-01-88	11-01-90	12.25	30
	11-01-90	11-01-91	12.75	30
	11-01-91	11-01-92	13.25	30
	11-01-92	11-01-93	14.00	30
	11-01-93	11-01-94	14.75	30
	11-01-94	11-01-95	15.50	30
	11-01-95	11-01-96	16.25	30
	11-01-96	11-01-97	17.00	30
	11-01-97	11-01-98	17.75	30
	11-01-98	11-01-00	18.50	30
	11-01-00	11-01-01	19.50	30
	11-01-01	11-01-02	20.75	30
	11-01-02	05-01-04	21.75	30
	05-01-04	11-01-04	23.00	30
	11-01-04	11-01-05	24.00	30
	11-01-05	11-01-06	25.00	30
	11-01-06	11-01-07	25.75	30
	11-01-07	11-01-08	27.00	30
	11-01-08	11-01-10	28.00	30
	11-01-10	11-01-11	29.00	35
	11-01-11	11-01-12	29.50	35
	11-01-12	11-01-13	30.00	35
	11-01-13	11-01-14	30.50	35
	11-01-14	11-01-15	31.00	35
	11-01-15	11-01-16	31.50	35
	11-01-16	11-01-17	32.00	35
	11-0-16	11-01-18	32.50	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Eaton, OH (004H) Brookville, OH (301H) Lewisburg, OH (007H) Lewisburg West—TFD (345H)	07-01-76	02-01-77	$ 6.00	30
	02-01-77	02-01-78	7.00	30
	02-01-78	02-01-79	7.75	30
	02-01-79	02-01-80	8.50	31
	02-01-80	02-01-81	9.50	31
	02-02-81	02-01-82	10.50	31
	02-01-82	02-01-83	11.25	31
	02-01-83	02-01-84	11.50	31
	02-01-84	02-01-85	11.75	31
	02-01-85	02-01-86	12.00	35
	02-01-86	02-01-87	12.25	35
	02-01-87	02-01-88	12.75	35
	02-01-88	02-01-89	13.50	35
	02-01-89	02-01-90	14.00	35
	02-01-90	02-01-91	14.50	35
	02-01-91	02-01-92	15.00	37
	02-01-92	02-01-93	15.50	38
	02-01-93	02-01-94	16.00	39
	02-01-94	02-01-95	17.50	40
	02-01-95	02-01-96	18.50	40
	02-01-96	07-01-97	19.50	41
	07-01-97	02-01-98	20.50	41
	02-01-98	02-01-99	21.50	42
	02-01-99	02-01-00	22.50	42
	02-01-00	02-01-01	24.00	42
	02-01-01	02-01-02	25.00	42
	02-01-02	02-01-03	26.00	42
	02-01-03	08-01-04	27.00	42
	08-01-04	02-01-05	28.50	42
	02-01-05	02-01-06	29.50	42
	02-01-06	02-01-07	30.50	42
	02-01-07	02-01-08	31.50	45
	02-01-08	07-01-10	32.50	45
	07-01-10	07-01-11	33.50	45
	07-01-11	07-01-12	34.50	45

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-12	07-01-13	$35.50	45
	07-01-13	07-01-14	35.75	45
	07-01-14	07-01-15	36.00	45
	07-01-16	07-01-17	36.00	45
	07-01-17	07-01-18	36.25	45
St. Mary's, OH—Hourly Flex (041H—Closed)				
St. Mary's OH—Cylinder−Flex (411H)				
St. Mary's OH—Cylinder−Non-Flex (41101H)				
St. Mary's OH—Hourly	07-01-76	03-04-77	$ 5.75	30
	03-04-77	03-04-78	6.25	30
	03-04-78	03-04-79	7.00	30
	03-04-79	03-08-80	7.50	30
	03-08-80	03-09-81	9.00	30
	03-09-81	03-08-82	10.00	30
	03-08-82	03-07-83	10.50	32
	03-07-83	03-10-84	11.00	33
	03-10-84	03-11-85	11.50	34
	03-11-85	03-10-86	12.00	35
	03-10-86	03-09-87	12.50	36
	03-09-87	03-14-88	13.00	37
	03-14-88	03-13-89	13.50	38
	03-13-89	03-12-90	14.00	39
	03-12-90	03-01-91	14.50	40
	03-01-91	03-01-92	15.00	40
	03-01-92	03-01-93	15.50	40
	03-01-93	03-01-94	16.50	40
	03-01-94	03-01-95	17.50	40
	03-01-95	03-01-96	18.50	40
	03-01-96	03-01-97	19.25	40
	03-01-97	03-01-99	20.00	40
	03-01-99	03-01-00	20.75	40
	03-01-00	03-01-01	21.50	40
	03-01-01	03-01-02	22.75	40
	03-01-02	03-01-03	23.75	40
	03-01-03	09-01-04	25.00	40
	09-01-04	03-01-05	26.00	40
	03-01-05	03-01-07	27.00	40
	03-01-07	03-01-08	27.50	40
	03-01-08	03-01-10	28.50	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	03-01-10	03-01-11	$29.00	40
	03-01-11	03-01-12	29.50	40
	03-01-12	03-01-13	30.00	40
	03-01-13	03-01-14	30.50	40
	03-01-14	03-01-15	31.00	40
	03-01-15	03-01-16	31.50	40
	03-01-16	03-01-17	32.00	40
	03-01-17	03-01-18	32.50	40
Plymouth, MI (043H)	07-01-76	03-01-77	$ 5.00	25
	03-01-77	03-01-78	5.50	25
	03-01-78	03-01-79	6.00	25
	03-01-79	03-01-80	6.75	25
	03-01-80	03-02-81	7.50	25
	03-02-81	03-01-82	8.00	25
	03-01-82	03-01-83	9.00	25
	03-01-83	02-27-84	9.50	25
	02-27-84	03-01-85	10.25	25
	03-01-85	03-01-86	10.75	25
	03-01-86	03-01-87	11.25	25
	03-01-87	03-01-88	12.00	25
	03-01-88	03-01-90	12.75	25
	03-01-90	03-01-91	13.25	30
	03-01-91	03-01-92	13.75	30
	03-01-92	03-01-93	14.25	30
	03-01-93	03-01-94	15.00	30
	03-01-94	03-01-95	16.00	30
	03-01-95	03-01-96	17.00	35
	03-01-96	03-01-97	18.00	35
	03-01-97	03-01-99	18.75	35
	03-01-99	03-01-00	19.25	35
	03-01-00	03-01-01	20.25	35
	03-01-01	03-01-02	21.50	35
	03-01-02	03-01-03	22.50	35
	03-01-03	09-01-04	23.75	35
	09-01-04	03-01-05	24.75	35
	03-01-05	03-01-07	26.00	35
	03-01-07	03-01-08	27.00	35
	03-01-08	03-01-10	28.00	35
	03-01-10	03-01-11	28.50	35
	03-01-11	03-01-12	29.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	03-01-12	03-01-13	$29.50	40
	03-01-13	03-01-14	30.00	40
	03-01-14	03-01-15	30.50	40
	03-01-15	03-01-16	31.00	40
	03-01-16	03-01-17	31.50	40
	03-01-17	03-01-18	32.00	40
Lexington, KY (014H)	07-01-76	02-01-77	$ 4.50	30
	02-01-77	02-01-78	4.75	30
	02-01-78	02-01-81	5.00	30
	02-01-81	02-01-82	5.25	30
	02-01-82	02-01-83	5.75	30
	02-01-83	02-01-84	6.50	30
	02-01-84	02-01-85	6.75	30
	02-01-85	02-01-86	7.00	30
	02-01-86	02-01-87	7.50	30
	02-01-87	02-01-88	8.00	31
	02-01-88	02-01-89	9.00	31
	02-01-89	02-01-90	9.50	31
	02-01-90	02-01-91	10.00	31
	02-01-91	02-01-92	10.50	32
	02-01-92	02-01-93	11.00	33
	02-01-93	02-01-94	11.50	34
	02-01-94	02-01-95	12.00	35
	02-01-95	02-01-96	12.50	36
	02-01-96	02-01-97	13.00	36
	02-01-97	07-01-97	13.50	37
	07-01-97		13.50	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Grantsburg, WI (048H)				
Chetek, WI—Quick Coupling (361H)	07-01-76	09-01-77	$ 3.50	25
	09-01-77	09-01-78	4.50	25
	09-01-78	09-01-79	5.00	25
	09-01-79	09-01-80	5.50	25
	09-01-80	09-01-81	6.50	25
	09-01-81	09-03-82	7.50	25
	09-03-82	09-01-84	8.25	25
	09-01-84	09-01-85	8.75	25
	09-01-85	09-01-86	9.25	25
	09-01-86	09-01-87	10.00	25
	09-01-87	09-01-88	10.50	25
	09-01-88	09-01-89	11.50	30
	09-01-89	09-01-90	12.50	30
	09-01-90	09-01-91	13.50	30
	09-01-91	09-01-92	14.50	30
	09-01-92	09-01-93	15.50	30
	09-01-93	09-01-94	16.50	30
	09-01-94	09-01-95	17.50	30
	09-01-95	09-01-96	18.50	30
	09-01-96	09-01-97	19.50	30
	09-01-97	09-01-98	21.00	30
	09-01-98	09-01-99	22.00	30
	09-01-99	09-01-00	23.00	30
	09-01-00	09-01-01	24.00	35
	09-01-01	09-01-02	25.50	35
	09-01-02	03-01-04	27.00	35
	03-01-04	09-01-04	28.00	35
	09-01-04	09-01-05	29.00	35
	09-01-05	09-01-06	30.00	35
	09-01-06	09-01-07	31.00	35
	09-01-07	09-01-08	32.00	35
	09-01-08	09-01-10	33.00	35
	09-01-10	09-01-11	33.50	35
	09-01-11	09-01-12	34.00	35
	09-01-12	09-01-14	34.50	40
	09-01-16	09-01-17	35.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Trenton, NJ/PSC (Cherry Hill) (157H—Closed)	09-01-80	09-01-81	$ 5.50	25
	09-01-81	09-01-84	6.50	25
	09-01-84	09-01-85	6.75	25
	09-01-85	09-01-86	7.00	25
	09-01-86	09-01-87	7.25	25
	09-01-87	09-01-90	7.75	25
	09-01-90	09-01-91	10.75	25
	09-01-91	09-01-92	11.75	25
	09-01-92	09-01-93	12.50	25
	09-01-93	09-01-94	13.00	25
	09-01-94	09-01-95	14.00	26
	09-01-95	09-01-98	15.00	26
	09-01-98	09-01-99	17.50	26
	09-01-99	09-01-00	18.50	26
	09-01-00	09-01-01	19.00	26
	09-01-01	09-01-02	19.50	26
	09-01-02	03-01-04	20.00	30
	03-01-04	09-01-04	20.50	30
	09-01-04	09-01-05	21.50	30
	09-01-05	09-01-06	22.50	30
	09-01-06	01-01-07	23.50	30
	01-01-07	09-01-07	23.50	35
	09-01-07	09-01-08	24.50	35
	09-01-08	Closed	25.50	35
Mason, MI (035H)	07-01-76	07-01-77	$ 5.00	25
	07-01-77	07-01-78	5.50	25
	07-01-78	07-01-79	6.50	25
	07-01-79	04-01-80	6.50	30
	04-01-80	04-01-81	7.50	30
	04-01-81	04-01-82	U O	30
	04-01-82	04-01-83	9.25	30
	04-01-83	04-01-84	9.75	30
	04-01-84	04-01-85	10.25	30
	04-01-85	04-01-86	10.75	30
	04-01-86	04-01-87	11.25	32
	04-01-87	04-01-88	11.75	32
	04-01-88	04-01-89	12.25	32
	04-01-89	04-01-90	13.00	32
	04-01-90	04-01-91	14.00	32

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	04-01-91	04-01-92	$15.00	32
	04-01-92	04-01-93	16.00	35
	04-01-93	04-01-94	17.00	35
	04-01-94	04-01-95	18.00	35
	04-01-95	04-01-96	19.00	38
	04-01-96	04-01-97	20.00	38
	04-01-97	04-01-98	21.00	38
	04-01-98	04-01-99	22.00	38
	04-01-99	04-01-00	23.00	38
	04-01-00	04-01-01	24.00	38
	04-01-01	04-01-02	25.00	40
	04-01-02	04-01-03	26.00	40
	04-01-03	10-01-04	27.00	40
	10-01-04	04-01-05	28.00	40
	04-01-05	04-01-06	29.00	40
	04-01-06	08-01-14	30.00	40
Salt Lake City, UT (013H)	04-01-76	04-01-77	$ 2.50	30
	04-01-77	04-01-79	3.00	30
	04-01-79	04-01-80	4.00	30
	04-01-80	04-01-81	5.00	30
	04-01-81	04-01-82	5.50	30
	04-01-82	04-01-84	6.25	30
	04-01-84	04-01-85	6.75	30
	04-01-85	08-01-86	7.00	30
	08-01-86	08-01-87	7.50	30
	08-01-87	08-01-88	8.00	30
	08-01-88	08-01-89	8.75	30
	08-01-89	08-01-90	9.50	30
	08-01-90	08-01-91	10.00	30
	08-01-91	08-01-92	10.50	30
	08-01-92	07-01-93	11.00	30
	07-01-93	08-01-94	11.50	30
	08-01-94	07-01-04	12.00	30
	07-01-04	01-01-05	13.00	30
	01-01-05	07-01-06	15.00	30
	07-01-06	07-01-07	17.00	30
	07-01-07	07-01-12	17.50	30
	07-01-12	07-01-13	18.50	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-13	07-01-14	$19.40	30
	07-01-14		20.15	30
	07-01-16	07-01-17	21.15	30
	07-01-17	07-01-18	22.15	30
Metamora, OH (067H)				
Metamora, OH—Arlon (06701H—Closed)	04-01-76	04-01-77	$ 3.00	25
	04-01-77	04-01-78	4.00	25
	04-01-78	04-01-80	4.50	25
	04-01-80	04-01-81	5.50	25
	04-01-81	04-01-82	6.50	25
	04-01-82	04-01-83	7.25	25
	04-01-83	04-01-84	8.00	25
	04-01-84	04-01-85	8.75	25
	04-01-85	04-01-86	9.50	25
	04-01-86	04-01-87	10.25	25
	04-01-87	04-01-88	11.00	25
	04-01-88	04-01-89	1135	25
	04-01-89	04-01-90	12.25	25
	04-01-90	04-01-91	13.00	25
	04-01-91	04-01-92	13.75	25
	04-01-92	04-01-93	14.25	25
	04-01-93	04-01-94	14.75	25
	04-01-94	04-01-95	15.25	25
	04-01-95	04-01-96	15.75	25
	04-01-96	04-01-97	16.00	25
	04-01-97	04-01-98	16.75	25
	04-01-98	04-01-99	17.25	25
	04-01-99	04-01-00	18.00	25
	04-01-00	04-01-01	20.00	25
	04-01-01	04-01-02	22.00	25
	04-01-02	04-01-03	22.50	25
	04-01-03	10-01-04	22.75	30
	10-01-04	04-01-06	23.00	30
	04-01-06	04-01-07	23.50	30
	04-01-07	04-01-08	24.00	30
	04-01-08	04-01-10	25.00	30
	04-01-10	04-01-11	26.00	30
	04-01-11	08-01-12	26.50	30
	08-01-12	08-01-13	27.50	35
	08-01-13	08-01-14	28.25	35
	08-01-14		29.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Portland, OR (065H—Closed)	08-01-75	08-01-76	$ 2.75	25
	08-01-76	04-01-77	3.00	25
	04-01-77	02-01-78	4.00	25
	02-01-78	02-01-80	5.00	25
	02-01-80	02-01-81	5.50	25
	02-01-81	02-01-82	6.00	25
	02-01-82	02-01-83	7.00	25
	02-01-83	02-01-84	7.75	25
	02-01-84	02-01-85	8.50	25
	02-01-85	02-01-86	9.25	25
	02-01-86	02-01-87	10.00	25
	02-01-87	02-01-88	10.75	25
	02-01-88	02-01-90	11.50	25
	02-01-90	02-01-91	12.00	25
	02-01-91	02-01-92	12.50	25
	02-01-92	02-01-93	13.00	25
	02-01-93	02-01-94	13.75	25
	02-01-94	02-01-95	14.50	25
	02-01-95	02-01-96	15.25	25
	02-01-96	02-01-97	16.00	25
	02-01-97	02-01-99	16.50	25
	02-01-99	02-01-00	17.00	25
	02-01-00	02-01-01	18.00	25
	02-01-01	02-01-02	19.00	25
	02-01-02	02-01-03	20.00	25
	02-01-03	08-01-04	21.25	25
	08-01-04	02-01-05	22.50	25
	02-01-05	02-01-07	23.75	25
	02-01-07	02-01-08	24.75	25
	02-01-08	02-01-09	25.75	25
	02-01-09	Closed	26.25	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Conyers, GA/PSC (078H)	11-01-82	11-01-83	$ 5.50	25
	11-01-83	11-01-84	6.00	25
	11-01-84	11-01-85	6.25	25
	11-01-85	11-01-86	6.50	25
	11-01-86	11-01-87	6.75	25
	11-01-87	11-01-90	7.25	25
	11-01-90	11-01-91	9.75	25
	11-01-91	11-01-92	10.75	25
	11-01-92	11-01-93	11.75	25
	11-01-93	11-01-94	12.75	25
	11-01-94	11-01-95	13.75	25
	11-01-95	11-01-96	14.75	25
	11-01-96	11-01-97	15.25	25
	11-01-97	11-01-98	16.00	25
	11-01-98	11-01-99	17.00	25
	11-01-99	11-01-00	18.00	30
	11-01-00	11-01-01	18.50	30
	11-01-01	11-01-02	19.00	30
	11-01-02	05-01-04	20.00	30
	05-01-04	11-01-04	21.00	30
	11-01-04	11-01-05	22.00	30
	11-01-05	11-01-06	23.00	30
	11-01-06	01-01-07	24.00	30
	01-01-07	11-01-07	24.00	35
	11-01-07	11-01-08	25.00	35
	11-01-08	11-01-10	26.00	35
	11-01-10	11-01-11	27.00	35
	11-01-11	11-01-12	28.00	35
	11-01-12	11-01-13	29.00	35
	11-01-13	11-01-14	30.00	35
	11-01-14	11-01-16	31.00	35
	11-01-16	11-01-17	31.25	35
Lakeville, MN/PSC (085H)				
Toledo, OH—OEM KIT (08501H)	03-01-81	03-01-82	$ 5.00	25
	03-01-82	03-01-84	6.00	25
	03-01-84	03-01-86	6.25	25
	03-01-86	03-01-88	7.00	25
	03-01-88	03-01-90	8.00	25
	03-01-90	03-01-91	9.75	25
	03-01-91	03-01-92	10.75	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	03-01-92	03-01-93	$11.50	25
	03-01-93	03-01-94	12.50	25
	03-01-94	03-01-95	13.50	25
	03-01-95	03-01-96	14.50	25
	03-01-96	03-01-97	15.50	25
	03-01-97	03-01-98	16.50	25
	03-01-98	03-01-99	17.50	25
	03-01-99	03-01-00	18.50	25
	03-01-00	03-01-01	19.00	30
	03-01-01	03-01-02	20.00	30
	03-01-02	03-01-05	21.00	30
	03-01-05	03-01-06	22.00	30
	03-01-06	01-01-07	22.50	30
	01-01-07	03-01-07	22.50	35
	03-01-07	03-01-08	23.00	35
	03-01-08	03-01-09	23.50	35
	03-01-09	03-01-11	24.00	35
	03-01-11	03-01-12	25.00	35
	03-01-12	03-01-13	26.00	35
	03-01-13	03-01-14	27.00	35
	03-01-14	03-01-15	28.00	35
	03-01-15	03-01-16	29.00	35
	03-01-16	03-01-17	30.00	35
	03-01-17	03-01-18	30.50	35
Lakeview, MI—Brass (021H)	07-01-79	07-01-80	$ 3.00	25
	07-01-80	07-01-81	4.00	25
	07-01-81	07-01-83	5.00	25
	07-01-83	07-01-84	5.75	25
	07-01-84	07-01-85	6.50	25
	07-01-85	07-01-86	7.25	25
	07-01-86	07-01-87	8.00	25
	07-01-87	07-01-88	9.00	25
	07-01-88	07-01-89	10.00	25
	07-01-89	07-01-90	11.00	25
	07-01-90	07-01-91	12.00	25
	07-01-91	07-01-92	13.00	25
	07-01-92	07-01-93	14.00	25
	07-01-93	07-01-94	15.00	25
	07-01-94	07-01-95	16.00	25
	07-01-95	07-01-96	17.00	25
	07-01-96	07-01-97	18.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-97	07-01-98	$19.00	25
	07-01-98	07-01-99	20.00	25
	07-01-99	07-01-00	21.00	25
	07-01-00	07-01-01	22.00	40
	07-01-01	07-01-02	23.00	40
	07-01-02	01-01-04	24.00	40
	01-01-04	07-01-04	25.00	40
	07-01-04	07-01-05	26.00	40
	07-01-05	07-01-06	27.00	40
	07-01-06	07-01-07	28.00	40
	07-01-07	07-01-08	28.50	40
	07-01-08	07-01-10	29.00	40
	07-01-10	07-01-11	30.00	40
	07-01-11	07-01-12	30.50	40
	07-01-12	07-01-13	31.50	40
	07-01-13	07-01-14	32.50	40
	07-01-14	07-01-15	33.50	40
	07-01-15	07-01-16	34.50	40
	07-01-16	07-01-17	35.50	40
	07-01-17	07-01-18	36.00	40
Jacksonville, AL (051H)	07-01-79	07-01-80	$ 5.00	25
	07-01-80	07-03-81	5.50	25
	07-03-81	07-02-82	6.00	25
	07-02-82	07-01-83	6.50	25
	07-01-83	08-01-84	7.00	25
	08-01-84	08-01-85	7.50	25
	08-01-85	08-01-86	8A0	25
	08-01-86	08-01-87	8.50	25
	08-01-87	08-01-88	9.00	25
	08-01-88	08-01-89	10.00	25
	08-01-89	08-01-90	11.00	25
	08-01-90	08-01-91	12.00	25
	08-01-91	08-01-92	13.00	25
	08-01-92	08-01-93	14.00	25
	08-01-93	08-01-94	15.00	25
	08-01-94	08-01-95	16.00	25
	08-01-95	08-01-96	17.00	25
	08-01-96	08-01-97	18.00	25
	08-01-97	08-01-98	19.00	25
	08-01-98	08-01-99	20.00	25
	08-01-99	08-01-00	21.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	08-01-00	08-01-01	$22.00	25
	08-01-01	08-01-02	23.50	25
	08-01-02	02-01-04	25.00	25
	02-01-04	06-01-04	27.00	40
	06-01-04	12-01-04	28.00	40
	12-01-04	12-01-05	29.00	40
	12-01-05	12-01-06	30.00	40
	12-01-06	12-01-07	31.50	40
	12-01-07	12-01-08	33.00	40
	12-01-08	07-01-10	34.00	40
	07-01-10	07-01-12	35.00	40
	07-01-12	07-01-17	36.00	40
Avon, OH (081H)	03-01-80	09-13-82	$ 8.00	35
	09-13-82	09-13-83	8.50	35
	09-13-83	10-01-84	9.00	35
	10-01-84	10-01-85	10.00	35
	10-01-85	10-01-86	11.00	35
	10-01-86	09-14-87	12.00	35
	09-14-87	09-19-88	13.00	35
	09-19-88	09-18-89	14.00	35
	09-18-89	09-16-91	15.00	35
	09-16-91	09-19-92	16.00	35
	09-19-92	09-06-93	16.50	35
	09-06-93	07-01-94	17.00	35
	07-01-94	07-01-95	17.50	35
	07-01-95	07-01-96	18.00	35
	07-01-96	07-01-97	18.50	35
	07-01-97	07-01-98	19.00	35
	07-01-98	07-01-99	19.50	35
	07-01-99	07-01-00	20.00	35
	07-01-00	07-01-01	21.00	35
	07-01-01	07-01-02	22.00	35
	07-01-02	07-01-03	23.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Madison, MS (128H, 12801H—Closed)	01-01-76	09-29-78	$ 2.50	Unlimited
	09-29-78	09-01-80	3.50	Unlimited
	09-01-80	09-01-81	4.00	35
	09-01-81	09-01-82	4.50	35
	09-01-82	09-01-83	5.00	35
	09-01-83	09-03-84	5.50	35
	09-03-84	09-01-86	6.00	35
	09-01-86	09-01-87	7.00	35
	09-01-87	09-01-88	7.50	35
	09-01-88	09-01-89	8.00	35
	09-01-89	09-01-90	8.50	35
	09-01-90	09-01-91	9.00	35
	09-01-91	09-01-92	9.50	35
	09-01-92	09-01-93	10.00	35
	09-01-93	09-01-94	10.50	35
	09-01-94	09-01-95	11.50	35
	09-01-95	09-01-97	12.00	35
	09-01-97	09-01-98	12.50	35
	09-01-98	09-01-99	13.00	35
	09-01-99	09-01-00	14.00	35
	09-01-00	09-01-01	15.00	35
	09-01-01	09-01-02	16.00	35
	09-01-02	03-01-04	17.00	35
	03-01-04	09-01-04	18.00	35
	09-01-04	09-01-05	19.00	35
	09-01-05	09-01-06	20.00	35
	09-01-06	09-01-07	21.00	35
	09-01-07	09-01-08	22.00	35
	09-01-08	09-01-10	23.00	35
	09-01-10	09-01-10	24.00	35
	09-01-11	09-01-12	25.00	35
	09-01-12	09-01-13	26.00	35
	09-01-13	09-01-14	27.00	35
	09-01-14	09-01-17	28.00	35
	07-01-17	07-01-18	29.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Greensboro, NC—PSC (132H)	05-01-82	05-01-83	$ 4.75	30
	05-01-83	05-01-84	5.00	30
	05-01-84	05-01-85	5.50	30
	05-01-85	05-01-86	5.75	30
	05-01-86	05-01-87	6.00	30
	05-01-87	05-01-88	6.50	30
	05-01-88	05-01-90	7.50	30
	05-01-90	05-01-91	9.50	30
	05-01-91	05-01-92	10.50	30
	05-01-92	05-01-93	11.50	30
	05-01-93	05-01-94	12.50	30
	05-01-94	05-01-95	13.50	30
	05-01-95	05-01-96	14.50	30
	05-01-96	05-01-98	15.00	30
	05-01-98	05-01-00	16.00	30
	05-01-00	05-01-01	18.00	30
	05-01-01	05-01-02	19.00	30
	05-01-02	05-01-03	20.00	30
	05-01-03	05-01-05	21.00	30
	05-01-05	05-01-06	22.00	30
	05-01-06	05-01-08	23.00	30
	05-01-08	05-01-12	24.00	30
	05-01-12	05-01-13	25.00	30
	05-01-13	05-01-14	26.00	30
	05-01-14	05-01-17	27.00	30
	05-01-17	05-01-18	28.00	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Irvine, CA—Logistics (08304H)				
Irvine, CA—Cust. Suppl. Military (08305H)				
Irvine, CA—Control Systems (071H)				
Irvine, CA—CSD Commercial (07102H)	07-01-81	05-03-82	$12.00	40
	05-03-82	05-01-84	12.50	40
	05-01-84	05-01-85	13.00	40
	05-01-85	05-01-86	13.50	40
	05-01-86	05-01-87	14.00	40
	05-01-87	05-01-88	14.50	40
	05-01-88	05-01-89	15.00	40
	05-01-89	02-01-91	15.50	40
	02-01-91	06-01-92	16.50	40
	06-01-92	06-01-93	18.00	40
	06-01-93	06-01-94	19.50	40
	06-01-94	07-01-95	20.50	40
	07-01-95	07-01-96	21.50	40
	07-01-96	07-01-97	23.00	40
Elyria, OH (Airborne) (129H)	07-01-84	07-01-86	$13.50	30
	07-01-86	07-01-87	13.50	35
	07-01-87	07-01-88	14.00	35
	07-01-88	07-01-89	14.50	35
	07-01-89	07-01-90	15.00	35
	07-01-90	07-01-91	15.50	35
	07-01-91	07-01-92	16.00	35
	07-01-92	07-01-93	16.50	35
	07-01-93	07-01-94	17.00	35
	07-01-94	07-01-95	17.50	35
	07-01-95	07-01-96	18.00	35
	07-01-96	07-01-97	18.50	35
	07-01-97	07-01-98	19.00	35
	07-01-98	07-01-99	19.50	35
	07-01-99	07-01-00	20.00	35
	07-01-00	07-01-01	21.00	35
	07-01-01	07-01-02	22.00	35
	07-01-02		23.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Spartanburg, SC (139H)	07-01-81	07-01-84	$ 8.00	35
	07-01-84	01-01-95	8.50	35
	01-01-95	01-01-96	9.50	35
	01-01-96	01-01-97	10.00	35
	01-01-97	01-01-98	10.50	35
	01-01-98	01-01-99	11.00	35
	01-01-99	01-01-00	11.50	35
	01-01-00	01-01-01	12.50	35
	01-01-01	01-01-02	13.50	35
	01-01-02	01-01-03	14.50	35
	01-01-03	07-01-05	15.50	35
	07-01-05	01-01-06	16.50	35
	01-01-06	01-01-07	17.50	35
	01-01-07	01-01-08	18.50	35
	01-01-08	07-01-10	19.00	35
	07-01-10	07-01-11	19.50	35
	07-01-11	07-01-12	20.00	35
	07-01-12	07-01-14	20.50	35
	07-01-14	07-01-15	21.00	35
Wadsworth, OH—Rotary Actuator (147H; 14701H)	07-01-81	02-01-82	$ 8.00	25
	02-01-82	02-01-83	9.00	25
	02-01-83	02-01-84	9.50	25
	02-01-84	02-01-85	10.25	25
	02-01-85	02-01-86	11.00	25
	02-01-86	02-01-87	11.50	25
	02-01-87	02-01-88	12.25	25
	02-01-88	02-01-89	13.00	25
	02-01-89	02-01-90	13.50	25
	02-01-90	02-01-92	14.00	25
	02-01-92	02-01-93	14.50	25
	02-01-93	02-01-94	15.25	25
	02-01-94	02-01-95	16.00	25
	02-01-95	02-01-96	16.75	25
	02-01-96	02-01-98	17.25	25
	02-01-98	02-01-99	18.00	25
	02-01-99	02-01-00	18.50	25
	02-01-00	02-01-01	19.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	02-01-01	02-01-02	$19.50	25
	02-01-02	02-01-03	20.50	25
	02-01-03	08-01-04	21.50	25
	08-01-04	02-01-06	22.50	32
	02-01-06	02-01-07	23.50	32
	02-01-07	02-01-08	24.50	35
	02-01-08	02-01-09	25.50	35
	02-01-09	02-01-11	26.50	35
	02-01-11	02-01-12	28.00	35
	02-01-12	02-01-13	29.50	35
	02-01-13	02-01-14	30.50	35
	02-01-14	02-01-15	31.50	35
	02-01-15	02-01-16	32.50	35
	02-01-16	02-01-17	33.50	35
	02-01-17	02-01-18	34.00	35
	Note: *The minimum benefit is $30 per month for employees hired prior to age 60 and under age 65 on the effective date.*			
Ogden, UT (109H)	07-01-81	05-31-82	$12.00	40
	05-31-82	05-01-84	12.50	40
	05-0.1-84	05-01-85	13.00	40
	05-01-85	05-01-86	13.50	40
	05-01-86	05-01-87	14.00	40
	05-01-87	05-01-88	14.50	40
	05-01-88	05-01-89	15.00	40
	05-01-89	02-01-91	15.50	40
	02-01-91	06-01-92	16.50	40
	06-01-92	06-01-93	18.00	40
	06-01-93	06-01-94	19.50	40
	06-01-94	06-01-95	20.50	40
	06-01-95	07-01-96	21.50	40
	07-01-96	07-01-97	23.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Buena Park, CA—PSC (117H) Buena Park, CA—Western Metro (11701H—Closed)	11-01-82	11-01-83	$ 5.25	30
	11-01-83	11-01-84	5.75	30
	11-01-84	11-01-85	6.00	30
	11-01-85	11-01-86	6.25	30
	11-01-86	11-01-87	6.75	30
	11-01-87	11-01-89	7.25	30
	11-01-89	11-01-90	9.00	30
	11-01-90	11-01-91	10.00	30
	11-01-91	11-01-92	11.00	30
	11-01-92	11-01-93	12.00	30
	11-01-93	11-01-94	13.00	30
	11-01-94	11-01-95	14.00	30
	11-01-95	11-01-96	15.00	30
	11-01-96	11-01-98	16.00	30
	11-01-98	11-01-99	17.00	30
	11-01-99	11-01-00	18.00	30
	11-01-00	11-01-01	18.50	30
	11-01-01	11-01-02	19.50	30
	11-01-02	11-01-04	20.50	30
	11-01-04	01-01-05	21.50	30
	11-01-05	11-01-06	22.50	30
	11-01-06	01-01-07	23.50	30
	01-01-07	11-01-07	23.50	35
	11-01-07	11-01-08	24.50	35
	11-01-08	11-01-10	25.50	35
	11-01-10	11-01-11	26.50	35
	11-01-11	11-01-12	27.50	35
	11-01-12	11-01-13	28.50	35
	11-01-13	11-01-14	29.50	35
	11-01-14	11-01-16	30.00	35
	11-01-16	11-01-17	31.00	35
Mauston, WI (153H, 15301H—Closed)	07-01-81	07-01-90	$ 8.50	30
	07-01-90	07-01-92	9.50	30
	07-01-92	07-01-93	10.00	30
	07-01-93	07-01-94	10.50	30
	07-01-94	07-01-97	11.00	30
	07-01-97	01-01-99	12.00	30
	01-01-99	01-01-01	13.00	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	01-01-01	01-01-03	$14.00	30
	01-01-03	07-01-04	15.00	30
	07-01-04	01-01-05	16.00	30
	01-01-05	01-01-06	17.00	30
	01-01-06	01-01-09	18.00	30
	01-01-09	01-01-10	19.00	30
	01-01-10	01-01-11	21.00	30
	01-01-11	01-01-12	22.00	30
	01-01-12	01-01-14	23.00	30
	01-01-14	01-01-16	24.00	30
	01-01-16	01-01-17	25.00	30
	01-01-17	01-01-18	26.00	30
Batesville, MS (069H)	11-01-81	11-01-85	$ 3.00	25
	11-01-85	11-01-86	3.75	25
	11-01-86	11-01-87	4.00	25
	11-01-87	11-01-88	5.00	25
	11-01-88	11-01-89	6.00	25
	11-01-89	11-01-90	7.00	25
	11-01-90	11-01-91	7.75	25
	11-01-92	11-01-93	9.75	25
	11-01-93	11-01-94	10.50	25
	11-01-94	11-01-95	11.00	25
	11-01-95	11-01-98	11.50	25
	11-01-98	11-01-99	12.50	25
	11-01-99	11-01-00	13.50	25
	11-01-00	11-01-01	15.50	25
	11-01-01	11-01-02	16.50	25
	11-01-02	05-01-04	17.50	25
	05-01-04	11-01-04	18.50	30
	11-01-04	11-01-06	19.50	30
	11-01-06	11-01-10	20.00	30
	11-01-10	11-01-16	21.00	30
	11-01-16	11-01-17	22.00	30
Trumann, AR (057H, 05701H—Closed, 61100H)	11-01-81	11-01-85	$ 3.00	25
	11-01-85	11-01-86	3.75	25
	11-01-86	11-01-87	4.00	25
	11-01-87	11-01-88	5.00	25
	11-01-88	11-01-89	6.00	25
	11-01-89	11-01-90	7.00	25
	11-01-90	11-01-91	7.75	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	11-01-91	11-01-92	$ 8.75	25
	11-01-92	11-01-93	9.75	25
	11-01-93	11-01-94	10.50	25
	11-01-94	11-01-95	11.25	25
	11-01-95	11-01-98	11.50	25
	11-01-99	11-01-99	12.50	25
	11-01-99	11-01-00	13.50	25
	11-01-00	11-01-01	15.50	25
	11-01-01	11-01-02	16.50	25
	11-01-02	05-01-04	17.50	25
	05-01-04	11-01-04	18.50	30
	11-01-04	11-01-06	19.50	30
	11-01-06	11-01-10	20.00	30
	11-01-10		21.00	30
Phoenix, AZ—Fuel Products (123H)	07-01-79	07-01-80	$ 8.00	35
	07-01-80	03-02-81	9.00	35
	03-02-81	03-01-82	10.00	35
	03-01-82	05-01-84	10.50	35
	05-01-84	05-01-85	11.00	35
	05-01-85	05-01-86	11.50	35
	05-01-86	05-01-87	12.00	40
	05-01-87	07-01-88	12.50	40
	07-01-88	05-01-89	13.00	40
	05-01-89	02-01-91	13.50	40
	02-01-91	07-01-93	14.50	40
	07-01-93	06-01-94	15.50	40
	06-01-94	07-01-95	16.50	40
	07-01-95	07-01-96	17.50	40
	07-01-96	07-01-97	18.00	40
Glendale, AZ (236H)				
Glendale, AZ—CSO Commercial (23601H)	07-01-81	10-01-81	$ 8.00	35
	10-01-81	10-01-83	8.50	35
	10-01-83	10-01-85	9.00	35
	10-01-85	10-01-86	9.50	35
	10-01-86	10-01-87	10.00	35
	10-01-87	11-03-88	11.00	35
	11-03-88	10-01-89	12.00	35
	10-01-89	10-01-90	12.50	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	10-01-90	10-01-91	$13.00	35
	10-01-91	10-01-92	13.50	35
	10-01-92	10-01-93	14.00	35
	10-01-93	07-01-94	15.00	35
	07-01-94	07-01-95	15.75	35
	07-01-95	07-01-96	16.75	35
	07-01-96		17.50	35
Boaz, AL (155H)	07-01-82	07-01-83	$ 7.00	25
	07-01-83	07-01-84	7.50	25
	07-01-84	07-01-85	7.75	25
	07-01-85	07-01-86	8.00	25
	07-01-86	07-01-87	8.50	25
	07-01-87	07-01-88	9.50	30
	07-01-88	07-01-89	10.50	30
	07-01-89	07-01-90	11.50	30
	07-01-90	07-01-91	12.00	30
	07-01-91	07-01-92	13.00	30
	07-01-92	07-01-93	14.00	30
	07-01-93	07-01-94	15.00	30
	07-01-94	07-01-95	16.00	30
	07-01-95	07-01-96	17.00	35
	07-01-96	07-01-97	18.00	35
	07-01-97	07-01-98	19.00	35
	07-01-98	07-01-99	20.00	35
	07-01-99	04-01-00	21.00	35
	04-01-00	12-01-00	22.50	35
	12-01-00	12-01-01	24.00	40
	12-01-01	12-01-02	25.00	40
	12-01-02	06-01-04	27.00	40
	06-01-04	12-04-04	28.00	40
	12-01-04	12-01-05	29.00	40
	12-01-05	12-01-06	30.00	40
	12-01-06	12-01-07	31.50	40
	12-01-07	12-01-08	33.00	40
	12-01-08	07-01-10	34.00	40
	07-01-10	07-01-12	35.00	40
	07-01-12	07-01-16	36.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Albion, IN (161H)	07-01-83	07-01-84	$ 8.50	25
	07-01-84	07-01-85	9.00	25
	07-01-85	07-01-86	9.50	25
	07-01-86	07-01-87	10.00	25
	07-01-87	07-01-88	10.50	25
	07-01-88	07-01-90	11.00	25
	07-01-90	07-01-91	12.00	25
	07-01-91	07-01-92	13.00	25
	07-01-92	07-01-93	14.00	25
	07-01-93	07-01-94	15.00	25
	07-01-94	07-01-95	16.00	25
	07-01-95	07-01-96	17.00	25
	07-01-96	07-01-97	18.00	25
	07-01-97	07-01-98	19.00	25
	07-01-98	07-01-99	20.00	25
	07-01-99	07-01-00	21.00	25
	07-01-00	07-01-01	22.00	25
	07-01-01	07-01-02	23.00	25
	07-01-02	01-01-04	24.00	25
	01-01-04	07-01-04	25.00	25
	07-01-04	07-01-05	26.00	25
	07-01-05	07-01-06	27.00	25
	07-01-06	07-01-07	28.00	25
	07-01-07	07-01-08	28.50	25
	07-01-08	07-01-10	29.00	30
	07-01-10	07-01-11	30.00	30
	07-01-11	07-01-12	30.50	30
	07-01-12	07-01-13	31.50	30
	07-01-13	07-01-14	32.50	30
	07-01-14	07-01-15	33.50	30
	07-01-15	07-01-16	34.50	30
	07-01-16	07-01-17	35.50	40
	07-01-17-	07-01-18	36.00	40
Ashley, IN (172H)	07-01-83	07-01-84	$ 8.50	25
	07-01-84	07-01-85	9.00	25
	07-01-85	07-01-86	9.50	25
	07-01-86	07-01-87	10.00	25
	07-01-87	07-04-88	10.50	25
	07-04-88	07-01-90	11.00	25
	07-01-90	07-01-91	11.50	25
	07-01-91	07-01-92	12.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-92	07-01-93	$12.50	25
	07-01-93	07-01-94	13.25	25
	07-01-94	07-01-95	14.00	25
	07-01-95	07-01-96	14.75	25
	07-01-96	07-01-97	15.50	25
	07-01-97	07-01-99	16.25	25
	07-01-99	07-01-00	17.00	25
	07-01-00	07-01-01	18.00	25
	07-01-01	07-01-02	19.25	25
	07-01-02	01-01-04	20.50	25
	01-01-04	07-01-04	21.75	25
	07-01-04	07-01-05	22.75	25
	07-01-05	07-01-07	24.00	25
	07-01-07	07-01-08	25.00	25
	07-01-08	07-01-10	26.00	25
	07-01-10	07-01-11	27.00	25
	07-01-11	07-01-12	28.00	30
	07-01-12	07-01-13	29.00	30
	07-01-13	07-01-14	30.00	30
	07-01-14	07-01-15	30.50	30
	07-01-15	07-01-16	31.00	30
	07-01-16	07-01-17	31.50	30
	07-01-17	07-01-18	32.00	40
Deerwood, MN (146H)	02-01-84	02-01-85	$ 3.00	25
	02-01-85	02-01-86	4.00	25
	02-01-86	02-01-87	4.50	25
	02-01-87	02-01-88	5.50	25
	02-01-88	02-01-89	7.00	25
	02-01-89	02-01-90	8.00	25
	02-01-90	02-01-91	9.00	25
	02-01-91	02-01-92	10.00	25
	02-01-92	02-01-93	11.00	25
	02-01-93	02-01-94	12.00	25
	02-01-94	02-01-95	13.00	25
	02-01-95	02-01-96	14.00	25
	02-01-96	02-01-97	15.50	30
	02-01-97	02-01-98	16.50	30
	02-01-98	02-01-99	18.00	30
	02-01-99	02-01-00	19.00	30
	02-01-00	02-01-01	20.00	30
	02-01-01	02-01-02	21.50	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	02-01-02	02-01-03	$23.00	30
	02-01-03	08-01-04	25.00	30
	08-01-04	02-01-05	26.00	30
	02-01-05	02-01-06	27.00	35
	02-01-06	02-01-07	28.00	35
	02-01-07	02-01-09	29.00	35
	02-01-09	08-01-16	30.00	35
	08-01-16	12-02-16	30.00	35
Broadview, IL (090H)				
Broadview, IL (09001H—Closed)				
Broadview, IL—Aftermarket (09002H)	01-01-83	07-01-90	$ 9.00	35
	07-01-90	07-01-92	9.50	35
	07-01-92	07-01-93	10.00	35
	07-01-93	07-01-94	10.50	35
	07-01-94	07-01-97	11.00	35
	07-01-97	01-01-99	12.00	35
	01-01-99	01-01-01	13.00	35
	01-01-01	01-01-03	14.00	35
	01-01-03	07-01-04	15.00	35
	07-01-04	01-01-05	16.00	35
	01-01-05	01-01-06	17.00	35
	01-01-06	01-01-09	18.00	35
	01-01-09	01-01-10	19.00	35
	01-01-10	01-01-11	21.00	35
	01-01-11	01-01-12	22.00	35
	01-01-12	01-01-14	23.00	35
	01-01-14	01-01-16	24.00	35
	01-01-16	01-01-17	25.00	35
	01-01-17	01-01-18	26.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Columbus, OH (176H)	07-01-84	05-01-86	$ 8.00	25
	05-01-86	05-01-88	8.25	25
	05-01-88	05-01-89	9.00	25
	05-01-89	05-01-90	10.00	25
	05-01-90	05-01-91	10.50	25
	05-01-91	05-01-92	11.50	25
	05-01-92	05-01-93	12.00	25
	05-01-93	05-01-94	12.50	25
	05-01-94	05-01-95	13.00	25
	05-01-95	05-01-96	14.00	25
	05-01-96	05-01-97	15.00	25
	05-01-97	05-01-98	16.00	25
	05-01-98	05-01-99	17.00	25
	05-01-99	05-01-00	18.00	25
	05-01-00	05-01-01	19.50	25
	05-01-01	05-01-02	21.00	25
	05-01-02	05-01-03	22.00	25
	05-01-03	11-01-04	23.00	25
	11-01-04	05-01-05	24.50	25
	05-01-05	05-01-06	25.50	25
	05-01-06	05-01-07	26.50	25
	05-01-07	05-01-08	27.50	25
	05-01-08	05-01-10	28.50	25
	05-01-10	05-01-11	29.50	25
	05-01-11	07-01-14	30.50	25
	07-01-14	07-01-15	30.75	25
Forest City, NC (188H)	07-01-84	06-01-86	$ 7.50	35
	06-01-86	06-01-87	8.00	25
	06-01-87	06-01-89	8.50	25
	06-01-89	06-01-90	9.00	25
	06-01-90	06-01-93	9.50	25
	06-01-93	06-01-94	10.25	25
	06-01-94	06-01-96	10.75	25
	06-01-96	06-01-98	11.25	25
	06-01-98	06-01-99	11.75	25
	06-01-99	06-01-00	12.25	25
	06-01-00	06-01-01	12.75	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	06-01-01	06-01-02	$13.75	25
	06-01-02	06-01-03	14.75	25
	06-01-03	12-01-04	16.00	25
	12-01-04	06-01-05	17.50	25
	06-01-05	06-01-06	19.00	25
	06-01-06	06-01-07	20.00	25
	06-01-07	06-01-10	21.00	25
	06-01-10	06-01-11	22.00	25
	06-01-11	06-01-12	23.00	25
	06-01-12	06-01-13	24.00	25
	06-01-13	06-01-14	25.00	25
	06-01-14	06-01-15	26.00	25
	06-01-15	06-01-16	27.00	25
	06-01-16	06-01-17	28.00	25
Manhattan, KS (124H)	07-01-85	12-01-85	$ 5.00	25
	12-01-85	12-01-86	5.50	25
	12-01-86	12-01-87	6.00	25
	12-01-87	12-01-88	7.00	25
	12-01-88	12-01-89	8.00	25
	12-01-89	12-01-90	9.00	30
	12-01-90	12-01-91	10.00	30
	12-01-91	12-01-92	11.00	30
	12-01-92	12-01-93	11.00	30
	12-01-93	12-01-94	13.00	30
	12-01-94	12-01-95	14.00	30
	12-01-95	12-01-96	15.00	30
	12-01-96	12-01-97	16.00	30
	12-01-97	12-01-98	17.00	30
	12-01-98	12-01-99	18.00	30
	12-01-99	12-01-00	19.00	30
	12-01-00	12-01-01	20.00	30
	12-01-01	12-01-02	21.00	30
	12-01-02	06-01-04	22.50	30
	06-01-04	12-01-04	23.50	30
	12-01-04	12-01-05	24.50	30
	12-01-05	12-01-08	25.50	30
	12-01-08	12-01-12	26.50	30
	12-01-12	12-01-15	27.50	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Enfield, CT (202H)	11-01-85	06-01-87	$ 7.50	25
	06-01-87	06-06-88	8.00	25
	06-06-88	06-01-90	8.50	25
	06-01-90	06-01-91	9.00	25
	06-01-91	06-01-92	9.50	25
	06-01-92	06-01-93	10.00	25
	06-01-93	06-01-94	10.50	25
	06-01-94	06-01-95	11.00	25
	06-01-95	06-01-96	11.75	25
	06-01-96	06-01-97	12.50	25
	06-01-97	06-01-99	13.25	25
	06-01-99	06-01-00	14.00	25
	06-01-00	06-01-01	15.00	25
	06-01-01	06-01-02	16.25	25
	06-01-02	06-01-03	17.50	25
	06-01-03	12-01-04	18.75	25
	12-01-04	06-01-06	19.75	25
	06-01-06	06-01-07	21.00	25
	06-01-07	06-01-08	22.00	25
	06-01-08	06-01-10	23.00	25
	06-01-10	06-01-11	24.00	25
	06-01-11	06-01-12	25.50	25
	06-01-12	06-01-13	27.00	30
	06-01-13	06-01-14	28.00	30
	06-01-14	06-01-15	29.00	30
	06-01-15	06-01-16	30.00	30
Goodland, IN (201H)	07-01-86	05-01-87	$ 7.50	25
	05-01-87	05-02-88	8.00	25
	05-02-88	05-01-90	8.50	25
	05-01-90	05-01-91	9.00	25
	05-01-91	05-01-92	9.50	25
	05-01-92	05-01-93	10.00	25
	05-01-93	05-01-94	10.50	25
	05-01-94	05-01-96	11.25	25
	05-01-96	05-01-97	11.50	25
	05-01-97	05-01-99	12.25	25
	05-01-99	05-01-00	13.25	25
	05-01-00	05-01-01	14.25	25
	05-01-01	05-01-02	15.50	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	05-01-02	05-01-03	$16.75	25
	05-01-03	11-01-04	18.00	25
	11-01-04	05-01-05	19.25	25
	05-01-05	05-01-07	20.75	25
	05-01-07	05-01-08	21.75	25
	05-01-08	05-01-10	23.00	30
	05-01-10	05-01-11	24.00	30
	05-01-11	05-01-12	25.50	30
	05-01-12	05-01-13	27.00	30
	05-01-13	05-01-14	28.00	30
	05-01-14	05-01-15	29.00	30
	05-01-15	05-01-16	30.00	30
	05-01-16	05-01-17	31.00	30
	05-01-17	05-01-18	31.50	40
Mooresville, NC (212H—Closed)				
Mooresville, NC—PSC (21201H)	07-01-86	02-01-87	$ 7.00	25
	02-01-87	02-01-88	7.50	25
	02-01-88	02-01-89	8.00	25
	02-01-89	02-01-90	8.50	25
	02-01-90	02-01-91	9.00	25
	02-01-91	02-01-92	9.50	25
	02-01-92	02-01-93	10.00	25
	02-01-93	02-01-94	11.00	25
	02-01-94	02-01-95	11.50	25
	02-01-95	02-01-96	12.50	25
	02-01-96	02-01-97	13.00	25
	02-01-97	02-01-98	14.00	25
	02-01-98	07-01-00	15.00	25
	07-01-00	07-01-01	16.00	30
	07-01-01	09-01-02	17.00	30
	09-01-02	03-01-04	18.00	30
	03-01-04	09-01-04	19.00	30
	09-01-04	09-01-05	20.00	30
	09-01-05	09-01-06	21.00	30
	09-01-06	01-01-07	22.00	30
	01-01-07	09-01-07	22.00	35
	09-01-07	09-01-08	23.00	35
	09-01-08	09-01-10	24.00	35
	09-01-10	09-01-11	25.00	35
	09-01-11	09-01-12	26.00	35
	09-01-12	09-01-13	27.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	09-01-13	09-01-14	$28.00	35
	09-01-14	09-01-15	29.00	35
	09-01-15	09-01-16	30.00	35
	09-01-16	09-01-17	30.50	35
	09-01-17	09-01-18	31.00	35
Waterville, OH—PSC (245H)	12-01-86	12-01-87	$ 3.00	25
	12-01-87	02-01-93	4.00	25
	02-01-93	02-01-94	8.00	25
	02-01-94	02-01-95	9.00	25
	02-01-95	02-01-96	10.50	25
	02-01-96	02-01-97	11.50	25
	02-01-97	02-01-98	12.50	25
	02-01-98	02-01-99	14.00	25
	02-01-99	02-01-00	16.00	25
	02-01-00	02-01-01	17.00	25
	02-01-01	02-01-02	17.50	30
	02-01-02	02-01-03	18.00	30
	02-01-03	08-01-04	18.50	30
	08-01-04	02-01-05	19.50	30
	02-01-05	02-01-06	20.50	30
	02-01-06	01-01-07	21.50	30
	01-01-07	02-01-07	21.50	35
	02-01-07	02-01-08	22.50	35
	02-01-08	02-01-09	23.50	35
	02-01-09	02-01-11	24.50	35
	02-01-11	02-01-12	25.50	35
	02-01-12	02-01-13	26.50	35
	02-01-13	02-01-14	27.50	35
	02-01-14	02-01-15	28.50	35
	02-01-15	02-01-16	29.50	35
	02-01-16	02-01-17	30.00	35
	02-01-17	02-01-18	30.50	35
Oxford, MI (224H)	10-01-86	01-01-88	$10.00	25
	01-01-88	01-01-89	10.50	25
	01-01-89	01-01-90	11.00	25
	01-01-90	01-01-91	11.50	25
	01-01-91	01-01-92	12.00	25
	01-01-92	01-01-94	12.75	25
	01-01-94	01-01-95	13.75	25
	01-01-95	01-01-96	14.25	25
	01-01-96	01-01-97	14.75	25
	01-01-97	01-01-98	15.50	25

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
01-01-98	01-01-99	$16.00	25
01-01-99	01-01-00	16.75	25
01-01-00	01-01-01	17.75	25
01-01-01	01-01-02	18.75	25
01-01-02	01-01-03	20.00	25
01-01-03	01-01-04	21.00	25
01-01-04	01-01-05	22.00	25
01-01-05	01-01-06	23.00	25
01-01-06	01-01-07	24.00	25
01-01-07	01-01-08	25.00	25
01-01-08	01-01-11	26.00	30
01-01-11	01-01-16	27.00	30

Eugene, OR (249H)
Decatur, AL (250H—Closed)

The benefit unit below is multiplied by the years after July 1, 1975. For plan years after July 1, 1975 but prior to January 1, 1979, an additional benefit was earned which is determined as 1.4% of any basic monthly earnings in excess of one-twelfth of the Social Security wage base for that year's participation.

Date of Retirement	Benefit Unit	Maximum Years of Participation
01-01-79	$ 5.00	Unlimited
After 01-02-79	10.00	Unlimited
After 09-02-89	10.50	Unlimited
After 09-02-91	11.00	Unlimited
After 09-02-92	11.75	Unlimited
After 09-02-93	12.25	Unlimited
After 09-02-95	13.25	Unlimited
After 09-02-96	14.25	Unlimited
After 09-02-97	15.25	Unlimited
After 09-02-00	16.25	Unlimited
After 09-02-01	16.75	Unlimited
After 09-01-02	17.50	Unlimited
After 03-01-04	18.25	Unlimited
After 09-01-04	19.00	Unlimited
After 09-01-05	19.50	Unlimited
After 09-01-07	21.00	Unlimited
After 09-01-08	22.50	Unlimited
After 09-01-10	24.00	Unlimited
After 09-01-11	25.00	Unlimited
After 09-01-12	26.00	Unlimited
After 09-01-13	27.00	Unlimited
After 09-01-14	28.00	Unlimited
After 09-01-15	29.00	Unlimited
After 09-01-16	30.00	Unlimited
After 09-01-17	30.50	Unlimited

Benefit accrued before July 1, 1975 was at the rate of $5.00 per month per year of service before that date.

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Booneville, MS (180H—Closed, 18001H—Closed)	07-01-88	07-01-89	$ 5.00	25
	07-01-89	07-01-90	6.00	25
	07-01-90	07-01-91	6.50	25
	07-01-91	07-01-92	7.00	25
	07-01-92	07-01-93	8.00	25
	07-01-93	07-01-94	9.00	25
	07-01-94	07-01-95	10.00	25
	07-01-95	07-01-96	11.00	25
	07-01-96	07-01-97	11.50	25
	07-01-97	07-01-98	12.00	25
	07-01-98	07-01-99	13.00	25
	07-01-99	07-01-00	14.00	25
	07-01-00	07-01-01	15.00	25
	07-01-01	07-01-02	16.00	25
	07-01-02	01-01-04	16.50	25
	01-01-04	07-01-07	17.00	25
	07-01-07	07-01-08	18.00	25
	07-01-08	Closed	19.00	25
Greenfield, TN—RAC Cooper (267H)	07-01-90	07-01-91	$ 8.50	25
	07-01-91	07-01-93	9.00	25
	07-01-93	07-01-94	10.00	25
	07-01-94	07-01-95	10.50	25
	07-01-95	07-01-96	11.00	25
	07-01-96	07-01-97	11.50	25
	07-01-97	07-01-98	12.00	25
	07-01-98	07-01-00	13.00	25
	07-01-00	07-01-01	15.00	25
	07-01-01	01-01-04	16.00	25
	01-01-04	07-01-04	17.00	25
	07-01-04	07-01-05	18.00	25
	07-01-05	07-01-06	19.00	25
	07-01-06	01-01-12	20.00	25
	07-01-12	07-01-13	21.00	25
	07-01-13	07-01-16	22.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Hampshire, IL—GNP (194H)	07-01-93	07-01-95	$ 6.00	25
	07-01-95	07-01-96	7.00	25
	07-01-96	07-01-00	8.00	25
	07-01-00	07-01-04	9.50	25
	07-01-04	01-01-05	10.50	25
	01-01-05	07-01-06	12.50	25
	07-01-06	07-01-07	14.50	25
	07-01-07	07-01-08	15.00	25
	07-01-08	01-01-12	15.50	25
	01-01-12	01-01-14	17.50	25
	01-01-14	01-01-16	18.25	25
Longwood, FL (160H—Closed)	07-01-91	07-01-02	$ 9.00	25
	07-01-02	01-01-04	10.00	25
	01-01-04	Closed	11.00	25
Machesney Park, IL (Rockford)—(332H)	04-25-95	04-01-96	$ 9.00	32
	04-01-96	04-01-97	9.50	32
	04-01-97	04-01-98	10.00	32
	04-01-98	04-01-99	10.50	32
	04-01-99	04-01-00	11.50	32
	04-01-00	04-01-01	12.50	32
	04-01-01	04-01-02	13.75	32
	04-01-02	04-01-03	15.00	32
	04-01-03	10-01-04	16.25	32
	10-01-04	04-01-05	17.50	32
	04-01-05	04-01-06	18.75	32
	04-01-06	04-01-07	19.50	32
	04-01-07	04-01-08	20.75	32
	04-01-08	04-01-10	21.50	32
	04-01-10	04-01-11	22.00	32
	04-01-11	04-01-12	23.00	32
	04-01-12	04-01-13	24.00	32
	04-01-13	04-01-14	25.00	32
	04-01-14	04-01-15	26.00	32
	04-01-15	04-01-16	27.00	32
	04-01-16	04-01-17	28.00	32
	04-01-17	04-01-18	29.00	32

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Oshkosh, WI (348H)	09-01-01	09-01-02	$17.00	25
	09-01-02	03-01-04	18.50	30
	03-01-04	09-01-05	19.50	30
	09-01-05	09-01-06	20.50	30
	09-01-06	01-01-07	21.50	30
	01-01-07	09-01-07	21.50	35
	09-01-07	09-01-08	22.50	35
	09-01-08	09-01-10	23.00	35
	09-01-10	09-01-11	24.00	35
	09-01-11	09-01-12	25.00	35
	09-01-12	09-01-13	26.00	35
	09-01-13	09-01-14	27.00	35
	09-01-14	09-01-15	28.00	35
	09-01-15	09-01-16	29.00	35
	09-01-16	09-01-17	30.00	35
	09-01-17	09-01-18	30.50	35
Alliance, NE—Dayco (505H)	10-20-01	07-01-02	$10.50	Unlimited
	07-01-02	06-01-03	12.50	Unlimited
	06-01-04	12-01-04	14.50	Unlimited
	12-01-04	12-01-05	15.50	Unlimited
	12-01-05	12-01-06	17.50	Unlimited
	12-01-06	12-01-07	18.50	Unlimited
	12-01-07	12-01-08	20.50	Unlimited
	12-01-08	08-01-11	21.50	Unlimited
	12-01-12	12-01-13	23.00	Unlimited
	12-01-13	12-01-14	24.00	Unlimited
	12-01-14	12-01-15	25.00	Unlimited
	12-01-16	12-01-17	26.00	Unlimited
	12-01-17	12-01-18	27.00	Unlimited
Davenport, IA—Dayco (508H)	10-20-01	10-01-02	$ 6.00	Unlimited
	10-01-02	04-01-04	12.00	Unlimited
	04-01-04	10-01-05	14.00	Unlimited
	10-01-05	10-01-06	16.00	Unlimited
	10-01-06	10-01-07	18.00	Unlimited
	10-01-07	10-01-08	20.00	Unlimited
	10-01-08	10-01-11	21.00	Unlimited
	10-01-12	10-01-13	22.00	Unlimited
	10-01-13	10-01-14	23.00	Unlimited
	10-01-14	10-01-15	25.00	Unlimited
	10-01-15	10-01-16	26.00	Unlimited

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Houston, TX—Dayco (510H)	10-20-01	11-01-02	$ 8.00	Unlimited
	11-01-02	05-01-04	12.00	Unlimited
	05-01-04	11-01-04	13.00	Unlimited
	11-01-04	05-01-05	14.00	Unlimited
	05-01-05	05-01-06	15.00	Unlimited
	05-01-06	05-01-07	15.50	Unlimited
	05-01-07	05-01-08	16.50	Unlimited
	05-01-08	05-01-11	17.50	Unlimited
	05-01-11	05-01-12	18.50	Unlimited
	05-01-12	05-01-13	20.00	Unlimited
	05-01-13	05-01-14	21.00	Unlimited
	05-01-14	05-01-15	22.00	Unlimited
	05-01-15	05-01-16	23.00	Unlimited
	05-01-16	05-01-17	24.00	Unlimited
McCook, NE—Dayco (514H)	10-20-01	03-01-02	$ 9.50	Unlimited
	03-01-02	04-01-04	11.50	Unlimited
	04-01-04	10-01-04	12.50	Unlimited
	10-01-04	10-01-05	13.50	Unlimited
	10-01-05	10-01-06	15.00	Unlimited
	10-01-06	10-01-07	16.50	Unlimited
	10-01-07	10-01-08	17.50	Unlimited
	10-01-08	10-01-10	18.50	Unlimited
	10-01-10	10-01-11	20.00	Unlimited
	10-01-11	10-01-12	22.00	Unlimited
	10-01-12	10-01-13	23.00	Unlimited
	10-01-13	10-01-14	24.00	Unlimited
	10-01-14	10-01-15	26.00	Unlimited
	10-01-15	10-01-16	27.00	Unlimited

Retiree Medical Account (RMA) Benefit	In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.
Early Retirement	Eligibility is attainment of age 55 and completion of 10 years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or (B) Immediate payments equal to (A), but reduced by 0.5% for each month under age 65 when benefits begin. (C) In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix. (D) If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.
Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing three years of service (five years prior to July 1, 2008). (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of three years of service providing the participant and spouse have been married at least one year at the death of the participant (five years prior to July 1, 2008).

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time (“Millennium”) pension increase. The Millennium increase amounts are summarized in the Appendix.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Former Bertea Employees

Participants who were employed by the Bertea unit on or before June 30, 1981 are entitled to benefits based on the greater of (A) and (B) below:

(A) The benefit unit multiplied by the years of participation.

(B) The sum of (i) and (ii) below:

(i) The Bertea monthly plan benefit for service prior to July 1, 1989.

(ii) The benefit unit multiplied by the years of participation earned after June 30, 1989.

Salary Related Benefit Formula

The employees at the following locations receive the larger of their benefit based on the benefit units discussed previously or a salary related formula:

Effective Date	Location
07-01-97	Irvine, CA (002 **H, 071**H, 083**H)
07-01-97	Lexington, KY (014**H)
07-01-97	Ogden, UT (1090014)
07-01-97	Phoenix, AZ (12300H)
07-01-97	Glendale, AZ (2360014, 23601 H)
07-01-02	Elyria, OH (Airborne) (129001 1)
07-01-03	Avon, OH (0810014)
07-01-03	Clyde, NY (02800H)

The salary related formula is as follows:

The monthly benefit for service earned after the effective date above is equal to 26.25% of average monthly compensation up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years (earned after the effective date above) in excess of 35 (maximum five years).

A minimum benefit based on the previous benefit unit table below times base service (maximum 40 years) will be paid. Social Security covered compensation is the average of the taxable wage bases under Social Security during the 35 years ending with the employee's Social Security retirement age.

Average Monthly Compensation	Average of the highest five consecutive calendar years compensation including base salary, bonuses, overtime, incentive, etc., but excluding other compensation such as overseas allowances or moving expenses. Compensation exceeding the IRC section 401(a)(17) limit in the year of retirement or termination ($200,000 retroactively starting with the 2002 plan year) will be excluded when the average monthly compensation is determined.

Changes in Plan Provisions Since the Prior Year

- Multiple locations had an increase in benefit unit and/or increase in maximum years of participation.

Former Berea, Kentucky Hourly-Wage Employees Pension Plan (Sub Plan 002)

Effective Date	August 1, 1968, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of benefit, respectively. Service is credited from date of hire to retirement. (A) Years of service. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 170 hours of service. (B) Years of participation. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1.700 hours. If less than 1,700 hours, then 0.1-year credit will be granted for each full 170 hours of service.
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown).

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
07-01-76	06-16-77	$ 6.00[1]	30
06-16-77	07-01-78	6.75	30
07-01-78	06-16-79	7.25[1]	30
06-16-79	07-01-80	8.00	30
07-01-80	07-01-81	8.50[2]	30
07-01-81	06-16-82	9.00	30
06-16-82	06-16-83	9.50[2]	31
06-16-83	06-16-84	10.00	32
06-16-84	06-16-85	10.50	32
06-16-85	06-16-86	11.00	32
06-16-86	06-16-87	11.50	34
06-16-87	06-16-88	12.00	35
06-16-88	06-16-89	12.50	36
06-16-89	06-16-90	13.00	37
06-16-90	06-15-91	13.50	38
06-15-91	06-15-92	14.00	39
06-15-92	06-15-93	14.50	40
06-15-93	06-16-94	15.00	40
06-16-94	06-16-95	16.25	40
06-16-95	06-16-96	17.00	40
06-16-96	06-16-97	17.50	40
06-16-97	06-16-98	18.25	40
06-16-98	06-16-99	19.00	40
06-16-99	06-17-00	20.50	40
06-17-00	06-16-01	20.50	41
06-16-01	06-16-02	21.50	42
06-16-02		22.50	43
Closed			

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced (by 0.5% from age 55 to age 60 and 0.333% from age 60 to age 62, and 0.25% from age 62 to age 65) for each month under age 65 when benefits begin.

[1] Benefits will be increased by $0.75 per year of service beginning on June 16 of the year following retirement.
[2] Benefits will be increased by $0.50 per year of service beginning on June 16 of the year following retirement.

Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced as for early retirement for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 75%, or 100 joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Wickliffe, Ohio Hourly-Wage Employees Pension Plan (Sub-Plan 011)

Effective Date	May 1, 1966, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 2000. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 150 hours of service. (B) Years of service after July 1, 2000. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 2000. Credited for each plan year that the participant has earned 1,800 hours. If less than 1,800 hours, then one-twelfth year credit will be granted for each 150 hours of service. (D) Years of participation after July 1, 2000. One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown.)

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
05-01-76	09-15-76	$ 8.25	35
09-15-76	09-15-77	8.75	35
09-15-77	09-15-78	9.25	35
09-15-78	09-15-79	10.00	36
09-15-79	09-16-80	10.50	37
09-16-80	09-16-81	11.00	37
09-16-81	09-15-82	12.00	37
09-15-82	09-15-83	12.75	38
09-15-83	09-15-84	13.50	38
09-15-84	09-15-85	14.00	40
09-15-85	09-15-86	14.50	40
09-15-86	09-15-87	15.00	40
09-15-87	09-15-88	15.50	40
09-15-88	09-15-89	16.00	40
09-15-89	09-15-90	16.50	40
09-15-90	09-15-91	17.00	40
09-15-91	09-15-92	17.50	40
09-15-92	09-15-93	18.00	40
09-15-93	09-15-94	18.50	40
09-15-94	09-15-95	19.00	40
09-15-95	09-15-96	19.50	40
09-15-96	09-15-97	20.00	41
09-15-97	09-15-98	20.50	42
09-15-98	09-15-99	21.25	43
09-15-99	09-15-00	22.00	43
09-15-00	09-15-01	23.00	43
09-15-01	09-14-02	24.00	43
09-14-02	09-15-03	27.00	43
09-15-03	09-13-04	30.00	43
09-13-04	09-12-05	31.00	43
09-12-05	09-18-06	34.00	43
09-18-06		35.00	43
Closed			

Early Retirement	Eligibility is attainment of age 60 and completion of 10 years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or (B) Immediate payments equal to (i), but reduced (by 0.333% from age 60 to age 62 and 0.25% per month age 62 to age 65) for each month under age 65 when benefits begin.
Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 60 equal to the normal pension accrued to the date of termination, but reduced by 0.333% for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. Special benefits for participants eligible to retire or who are age 55 with 25 years of service. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 60 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement or age 55 with 25 years of service Immediate payments equal to 65% of the pension payable the date of death assuming the participant retired the day before death and elected immediate early retirement (actuarial reduction from age 65 for those not eligible for early retirement).

Forms of Payment

Any participant retiring under the Plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Minneapolis, MC Hourly-Wage Employees Pension Plan (Sub-Plan 019)

Effective Date	June 1, 1962, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 2001. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 170 hours of service. (B) Years of service after July 1, 2001. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 2001. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,700 hours. If less than 1,700 hours, then 0.1-year credit will be granted for each full 170 hours of service. (D) Years of participation after July 1, 2001. One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.

Normal Retirement

Eligibility is age 65 and completion of five years of service.

The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown):

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
07-01-76	01-01-77	$ 6.00	25
01-01-77	01-01-78	7.00	25
01-01-78	01-01-79	8.00	25
01-01-79	12-15-79	9.00	25
12-15-79	12-15-80	9.50	25
12-15-80	12-15-81	10.00	25
12-15-81	02-01-84	10.50	25
02-01-84	02-01-85	11.00	25
02-01-85	02-01-87	11.50	25
02-01-87	02-01-88	12.00	25
02-01-88	02-01-89	12.50	25
02-01-89	02-01-90	13.00	25
02-01-90	02-01-91	13.50	25
02-01-91	02-01-92	14.00	25
02-01-92	02-01-93	14.50	25
02-01-93	02-01-94	15.00	25
02-01-94	02-01-95	16.00	25
02-01-95	02-01-96	16.50	26
02-01-96	02-01-97	17.25	28
02-01-97	02-01-98	18.00	30
02-01-98	02-01-99	19.00	35
02-01-99	02-01-00	20.00	36
02-01-00	02-01-01	21.00	37
02-01-01	02-01-02	24.00	38
02-01-02	02-01-03	26.00	39
02-01-03		28.00	40
Closed			

Early Retirement

Eligibility is attainment of age 60 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

	(B) Immediate payments equal to (A), but reduced by 0.6% for each month under age 65 when benefits begin.
Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 60 equal to the normal pension accrued to the date of termination, but reduced by 0.6% for each month under age 65 when benefits begin.
Spouse Pension	Eligibility is upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 60 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Retirement Plan (Sub-Plan 050)

Effective Date	June 10, 1953, as restated July 1, 2007 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All salaried employees at locations covered by the plan will become plan participants on the first day of the month after they have had 12 continuous months of employment (and worked 1,000 hours in a 12-month period).
Vesting Service	Prior to June 30, 1976, vesting service was based on continuous and uninterrupted employment, and after that date a year's credit is given for each 12-month period (beginning on July 1 each year) of employment. Prorated service is granted (to the nearest one-tenth) for periods less than a full year.
Benefit Service	Continuous and uninterrupted employment as an eligible employee up to June 30, 1976, plus credit after that date for each one-tenth of a year of employment during which the employee is eligible to receive benefit service credit (used to determine the amount of the benefit determined under the salary formula).
Basic Service	Continuous and uninterrupted employment as an eligible employee up to June 30, 1976 plus a full year's credit for each plan year thereafter in which at least 1,700 hours of service are performed. If less than 1,700 hours are worked during a year, then fractional credit to nearest one-tenth is granted for each 170 hours worked (used to determine the minimum benefit).
Average Monthly Compensation	Average of the highest five consecutive calendar years compensation including base salary, bonuses, overtime, incentive, etc., but excluding other compensation such as overseas allowances or moving expenses. Compensation exceeding the IRC section 401(a)(17) limit in the year of retirement or termination ($200,000 retroactively starting with the 2002 plan year) will be excluded when the average monthly compensation is determined.

Normal Retirement

Eligibility is attainment of age 65.

The monthly benefit is equal to 26.25% of average monthly compensation up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years). A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid. The portion of benefit payable for service prior to July 1, 1976 cannot be less than the monthly amount actuarially equivalent to the value of the profit sharing balance at age 65. Social Security covered compensation is the average of the taxable wage bases under Social Security during the 35 years ending with the employee's Social Security retirement age.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of vesting service.

Benefit is equal to either: (i) Deferred benefit payable at age 65 equal to the normal pension but using average monthly compensation at time of early retirement and using his years of service only to the retirement date, or (ii) An immediate pension equal to (i) but reduced 0.5% for each month that early retirement precedes normal retirement date.

	In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix. If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.
Termination	Eligible after three or more years of vesting service (five years prior to July 1, 2008). Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Prior Profit Sharing Plan	All participants in the Profit Sharing Plan, which was converted to this plan on June 30, 1976, are fully vested in their account balance on that date. Thereafter, the account balance (with interest at 6% per year) will be paid to the employee (or beneficiary) at his retirement, termination or death. Payment of the account balance at retirement or termination (or a withdrawal or transfer of the account balance to the Parker Savings Plan before retirement or termination) will actuarially reduce the pension payable from the plan. The actuarial reduction for this purpose is determined using the UP 1984 Unisex Mortality Table and a 6% interest rate.
Preretirement Spouse’s Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before he died, taken early retirement, and accepted the 50% joint and survivor option.
Post Termination Spouse’s Benefit	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his date of death.

	If the former employee dies after the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had commenced payments the day before he died and accepted the 50% joint and survivor option. If the former employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments on his fifty-fifth birthday under the 50% joint and survivor option.
Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time (“Millennium”) pension increase. The Millennium increase amounts are summarized in the Appendix.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options are available: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Participants on June 30, 1994

Employees who were participants in the Parker Hannifin Corporation Retirement Plan as of June 30, 1994 are entitled to benefits based on the greater of (A) and (B) below:

(A) The monthly benefit based on the normal retirement formula as outlined above for all years of benefit service.

(B) The sum of (i) and (ii) below:

(i) The monthly benefit accrued as of June 30, 1994 for years of benefit service prior to July 1, 1994.

(ii) The monthly benefit based on the normal retirement formula as outlined above for years of benefit service after June 30, 1994.

Changes in Plan Provisions Since the Prior Year

None.

Former Wake Forest, NC Hourly-Wage Employees Pension Plan (Sub-Plan 102)

Effective Date	January 1, 1968, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at the Wake Forest, NC, Los Angeles, CA, or Livonia, MI locations will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service. Beginning on January 1, 1976, one year shall be credited for each calendar year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 100 hours of service. (B) Years of participation. Beginning on January 1, 1976, one year shall be credited for each calendar year that the participant has earned 1,700 hours. If less than 1,700 hours, then 0.1-year credit will be granted for each full 170 hours of service.
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation service (to a maximum of the years shown).

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
01-01-68	09-24-82	$ 4.00	30
09-24-82	09-28-85	6.50[3]	30
09-28-85	01-01-88	8.00[4]	30
01-01-88	10-01-88	10.00	30
10-01-88	10-01-89	10.75	30
10-01-89	10-01-90	11.25	30
10-01-90	10-01-91	11.75	30
10-01-91	10-01-92	12.50	30
10-01-92	10-01-93	13.25	30
10-01-93	10-01-94	13.75	30
10-01-94	10-01-95	14.50	30
10-01-95	10-01-96	15.50	31
10-01-96	10-01-97	16.00	32
10-01-97	10-01-98	16.50	33
10-01-98	10-01-99	17.50	34
10-01-99	10-01-00	18.75	34
10-01-00	Closed	19.50	35

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced by 0.5% for each month under age 65 when benefits begin.

Disability Retirement

Eligible upon total and permanent disability following completion of 10 years of service.

Immediate payments equal to normal pension accrued to date of disability.

Termination

Eligible upon termination of employment after completing five years of service.

[3] Participants retiring on or after September 24, 1982 will be paid the $8.00 benefit unit beginning January 1, 1986 including retroactive payments from their actual retirement.

[4] Participants retiring on or after September 28, 1985 will be paid the $10.00 benefit unit beginning January 1, 1988 including retroactive payments from their actual retirement.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant.

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment

Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Changes in Plan Provisions Since the Prior Year

None.

Former Akron, PH (Morgan Ave.) Hourly-Wage Employees Pension Plan (Sub-Plan 103)

Effective Date	April 14, 1965, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants following completion of one year of service.
Service	(A) Years of service are credited on an elapsed time basis to the nearest 0.1 year. (B) Years of participation are credited on an elapsed time basis to the nearest 0.1 year.
Normal Retirement	Eligibility is age 65 and five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
11-01-76	11-01-78	$ 7.00
11-01-78	11-01-79	$ 8.00
11-01-79	11-01-80	$ 9.00
11-01-80	11-01-81	$ 9.50
11-01-81	01-01-86	$10.00
01-01-86	11-01-87	$12.00[5]
11-01-87	11-06-88	$13.00[6]
11-06-88	11-06-89	$13.75[7]
11-06-89	11-05-90	$14.25[8]

[5] Participants retiring on or after November 1, 1981 will be paid the $12.00 benefit unit beginning January 1, 1986 including retroactive payments from their actual retirement.
[6] Participants retiring on or after November 4, 1985 will be paid the $13.00 benefit unit beginning November 1, 1987 including retroactive payments from their actual retirement.
[7] Participants retiring on or after November 7, 1988 will be paid the $14.25 benefit unit beginning November 6, 1989 including retroactive payments from their actual retirement.
[8] Participants retiring on or after November 6, 1989 will be paid the $14.75 benefit unit beginning November 5, 1990 including retroactive payments from their actual retirement.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
11-05-90	11-02-91	$14.75
11-02-91	11-01-92	$15.00
11-01-92	11-01-93	$15.75
11-01-93	11-01-94	$16.50
11-01-94	11-01-95	$17.25
11-01-95	11-01-96	$18.00
11-01-96	11-03-97	$18.75
11-03-97	11-03-98	$19.75
11-03-98	11-03-99	$20.75
11-03-99	11-03-00	$21.75
11-03-00	11-03-01	$22.75
11-03-01	11-03-02	$24.75
11-03-02	11-02-03	$26.00
11-02-03	11-07-04	$27.25
11-07-04	Closed	$28.50

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced by 0.5% per month under age 65 for early commencement.

Note: *Retroactive benefits will be paid to eligible early retirees.*

Disability Retirement

Eligible upon total and permanent disability following completion of age 40 and 10 years of service. (The age 40 requirement is deleted effective November 4, 1985.)

Immediate payments equal to normal pension accrued to date of disability.

Note: *Retroactive benefits will be paid to eligible disabled employees.*

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.

Note: *Terminated employees are not eligible for the increased retroactive benefits.*

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant.

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment

Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Changes in Plan Provisions Since the Prior Year

None.

Former Akron, OH (Home Ave.) Hourly-Wage Employees Pension Plan (Sub-Plan 104)

Effective Date	January 1, 1966, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants following completion of one year of service.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service. Beginning on the effective date, one year shall be credited for each calendar year that the participant has earned 1,000 hours. If less than 1,000 hours, then one-year credit will be granted for each full 100 hours of service. (B) Years of participation. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 100 hours of service.
Normal Retirement	Eligibility is age 65 and five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-76	10-01-76	$ 5.50
10-01-76	10-01-77	$ 6.00
10-01-77	10-01-78	$ 7.00
10-01-78	10-01-79	$ 7.50
10-01-79	10-01-80	$ 8.00
10-01-80	10-01-83	$ 9.00
10-01-83	09-01-87	$10.50[9]
09-01-87	10-01-88	$12.00
10-01-88	10-01-89	$12.50
10-01-89	10-08-90	$13.25
10-08-90	10-06-91	$14.00
10-06-91	10-04-92	$14.50
10-04-92	10-04-93	$15.00
10-04-93	10-03-94	$15.75
10-03-94	10-07-96	$16.25
10-07-96	10-06-97	$17.75
10-06-97	10-05-98	$18.50
10-05-98	10-01-99	$19.50
10-01-99	10-01-00	$20.50
10-01-00	09-30-01	$22.50
09-30-01	10-06-02	$23.50
10-06-02	10-05-03	$24.50
10-05-03	10-04-04	$25.50
10-04-04	10-03-05	$26.50
10-03-05	10-02-06	$27.50
10-02-06	10-01-07	$28.50
10-01-07	10-06-08	$29.50
10-06-08	10-05-09	$30.50
10-05-09	10-04-10	$31.50
10-04-10	10-03-11	$32.50
10-03-11	10-03-12	$33.50
10-03-12	10-04-15	$37.00
04-28-16	Closed	$38.00

[9] Participants retiring on or after October 1, 1984 will be paid the $12.00 benefit unit beginning September 1, 1987 including retroactive payments from their actual retirement.

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced actuarially for commencement prior to age 65 as set forth below:

Commencement Age	Early Commencement Factor
55	0.4025
56	0.4380
57	0.4771
58	0.5205
59	0.5686
60	0.6220
61	0.6816
62	0.7480
63	0.8225
64	0.9060
65	1.0000

Note: *Retroactive benefits will be paid as for normal retirement.*

Disability Retirement

Eligible upon total and permanent disability following completion of 10 years of service.

Immediate payments equal to normal pension accrued to date of disability.

Note: *Retroactive benefits will be paid as for normal retirement.*

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced actuarially for commencement prior to age 65.

	Note: *Terminated employees are not eligible for the increased retroactive benefits.*
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected immediate early retirement with the 50% joint and survivor benefit.
Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiaries) when the benefits begin.

Changes in Plan Provisions Since the Prior Year

None.

Former Forest, Ohio Hourly-Wage Employees Pension Plan (Sub-Plan 112)

Effective Date	May 16, 1969, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they are hired. Effective May 30, 2003, the Forest, OH plant closed. All current active participants were terminated and future plan participation was frozen.
Service	Years of service and participation are used to determine the eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 2000. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 100 hours of service. (B) Years of service after July 1, 2000. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 2000. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,615 hours. If less than 1,615 hours, then 0.1-year credit will be granted for each full 170 hours of service. (D) Years of participation after July 1, 2000. One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.
Normal Retirement	Eligibility is age 65 and completion of five years of service.

The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
After	**Before**	**Benefit Unit**
05-16-69	07-01-81	$10.75
07-01-81	07-01-82	$14.00
07-01-82	07-01-83	$14.75
07-01-83	07-01-85	$15.50
07-01-85	07-01-86	$16.00
07-01-86	07-01-87	$16.50
07-01-87	07-01-88	$17.00
07-01-88	07-01-89	$17.50
07-01-89	11-15-93	$18.00
11-15-93	05-15-95	$19.00
05-15-95	05-15-96	$19.50
05-15-96	11-25-96	$20.00
11-25-96	05-17-98	$21.00
05-17-98	05-16-99	$22.00
05-16-99	05-15-00	$22.75
05-15-00	05-15-01	$24.00
05-15-01	05-13-02	$25.00
05-13-02		$25.75
Closed		

Early Retirement

Eligibility is attainment of age 60 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced by 0.5% for each month under age 62 when benefits begin.

Disability Retirement

No disability benefit applies.

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 60 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. Participants who fail to meet these eligibility requirements will receive a lump sum death benefit payable to the estate of $250 multiplied by the years of participation.

(A) Participant not eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 55% joint and survivor benefit (Option A). The benefits are reduced ½% per month from age 62 for early commencement if the employee was between the ages of 60 and 62 at date of death. If the employee was less than age 60 at date of death, the benefits are reduced 12% for early commencement.

(B) Participant eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 55% joint and survivor benefit (Option A).

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a 55% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 55% or 100% joint and survivor ▪ 5 or 10-year certain and life Any form of payment other than a life annuity and joint and survivor options will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1983 Group Annuity Mortality Table (adjusted for 50% male and 50% female content) and a 7% interest rate.
Special Medicare Reimbursement Benefit	To compensate for Medicare Part B premiums, the benefit payable to any retiree or surviving spouse is increased by $20 per month upon attainment of age 65.
Special Termination Benefits	Active employees at the time of the May 30, 2003 plant closing became eligible for the following additional benefits: ▪ Unreduced retirement at age 60 for participants age 60 and over with 10 or more years of service; ▪ An additional five years of service for participants hired after October 8, 1989 with five or more years of service; ▪ Additional years of service to get to five years of total service for participants with less than five years of service.

Changes in Plan Provisions Since the Prior Year

None.

Former Lebanon, IN Hourly-Wage Employees Pension Plan (Sub-Plan 115)

Effective Date	January 1, 1964, as restated July 1, 2007 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they have completed one year of service.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to retirement or other termination of employment. (A) Years of service are credited on an elapsed time basis to the nearest one-twelfth of a year. (B) Years of participation are credited on an elapsed time basis to the nearest one-twelfth of a year (based on continuous service).
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
After	**Before**	**Benefit Unit**
01-01-64	04-01-67	$ 2.00
04-01-67	11-01-84	$13.00
11-01-84	11-01-86	$13.50[10]
11-01-86	11-01-87	$14.50[1]
11-01-87	11-01-88	$15.00[1]
11-01-88	11-01-89	$15.25[1]
11-01-89	10-20-90	$15.50[1]
10-20-90	10-19-91	$16.25
10-19-91	10-24-92	$16.75
10-24-92	11-01-93	$17.25[11]
11-01-93	11-02-94	$18.25[2]
11-02-94	11-01-95	$19.00[2]
11-01-95	11-01-96	$19.50[2]
11-01-96	11-01-97	$20.25[2]
11-01-97	11-01-98	$21.00[2]
11-01-98	11-01-99	$21.75[2]
11-01-99		$22.50
Closed		

Early Retirement

Eligibility is attainment of age 55.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but actuarially reduced for each month under age 65 when benefits begin.

[10] $2.00 benefit unit for service before April 1, 1967.

[11] Participants retiring at any time during a contract period will receive the benefit in effect at the end of the period when those increases occur.

Age	Reduction Factor
55	0.411
56	0.445
57	0.483
58	0.525
59	0.571
60	0.623
61	0.681
62	0.747
63	0.821
64	0.905
65	1.000

Disability Retirement

Eligible upon total and permanent disability following completion of 10 years of service.

Immediate payments equal to normal pension accrued to date of disability.

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but actuarially reduced as set forth in the “Early Retirement” section for each month under age 65 when benefits begin.

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant.

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement is eligible for the following alternatives:

(i) Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit option.

(ii) 60 guaranteed payments of 100% of the normal pension accrued to the date of death.

(iii) 120 guaranteed payments of 50% of the normal pension accrued to the date of death.

Forms of Payment

Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Any form of payment other than a life annuity will he reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Tell City, IN Hourly-Wage Employees Pension Plan (Sub-Plan 116)

Effective Date

January 1, 1964, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.

Eligibility

All hourly, bargaining employees at this location will become plan participants when they have completed one year of service.

Service

Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to retirement or other termination of employment.

(A) Years of service are credited on an elapsed time basis to the nearest 0.1 year.

(B) Years of participation are credited on an elapsed time basis to the nearest 0.1 year.

Normal Retirement

Eligibility is age 65 and completion of five years of service.

The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-64	05-01-82	
05-01-82	05-01-85	$ 8.00
05-01-85	05-01-86	$ 9.50
05-01-86	05-01-87	$ 9.85
05-01-87	05-01-88	$10.15
05-01-88	04-16-89	$10.50
04-16-89	04-16-90	$11.00
04-16-90	05-01-91	$11.50
05-01-91	05-01-92	$12.00
05-01-92	05-01-93	$12.75[12]
05-01-93	05-01-94	$13.50[1]
05-01-94	05-01-95	$14.25[1]

[12] Participants retiring at any time during a contract period will receive the benefit in effect at the end of the period when those increases occur.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
05-01-95	05-01-96	$15.00
05-01-96	05-01-97	$15.50
05-01-97	05-01-98	$16.25
05-01-98	05-01-99	$17.00
05-01-99	05-01-00	$17.50
05-01-00	05-01-01	$18.00
05-01-01	05-01-02	$19.00
05-01-02	05-01-03	$19.75
05-01-03	05-01-04	$20.50
05-01-04	05-01-05	$21.25
05-01-05	05-01-06	$22.25
05-01-06	04-30-07	$22.75
04-30-07	04-28-08	$23.25
04-28-08	04-29-09	$23.75
04-29-09	05-01-10	$24.25
05-01-10	05-02-11	$24.75
05-02-11	04-30-12	$25.25
04-30-12	08-05-13	$25.50
08-05-13	08-04-14	$25.90
08-04-14	08-03-15	$26.30
08-03-15	08-01-16	$26.70
08-01-16	03-12-17	$27.00
03-13-17	03-11-18	$27.50
03-12-18	03-10-19	$27.90
03-11-19	03-08-20	$28.30
03-09-20		$28.65

Early Retirement

Eligibility is attainment of age 55.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but actuarially reduced for each month under age 65 when benefits begin as set forth below:

Commencement Age	Commencement Early Factor
55	0.4110
56	0.4450
57	0.4830
58	0.5250
59	0.5710
60	0.6230
61	0.6810
62	0.7470
63	0.8210
64	0.9050
65	1.0000

Disability Retirement

Eligible upon total and permanent disability following completion of 10 years of service.

Immediate payments equal to the normal retirement pension based on service accrued to date of disability plus future service from date of disability to age 65, reduced actuarially for commencement prior to age 65.

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but actuarially reduced for each month under age 65 when benefits begin.

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant.

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement is eligible for the following alternatives:

(i) Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(ii) 60 guaranteed payments of 100% of the normal pension accrued to the date of death.

(iii) 120 guaranteed payments of 50% of the normal pension accrued to the date of death.

Forms of Payment

Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 25%, 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

- Increase in benefit unit and/or increase in the maximum years of participation.

Former Canton, PA Hourly-Wage Employees Pension Plan (Sub-Plan 117)

Effective Date	July 1, 1987, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 170 hours of service. Effective July 1, 2005, the plan was amended to calculate years of service based on elapsed time. (B) Years of participation. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,700 hours. If less than 1,700 hours, then 0.1-year credit will be granted for each full 170 hours of service. Effective July 1, 2005, the plan was amended to calculate years of participation based on elapsed time.
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown).

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
07-01-87	07-01-88	$13.00	35
07-01-88	07-01-89	13.50	35
07-01-89	07-01-90	14.00	35
07-01-90	07-01-91	14.50	36
07-01-91	07-01-92	15.00	37
07-01-92	07-01-93	15.50	38
07-01-93	07-01-94	16.00	39
07-01-94	07-01-95	16.50	40
07-01-95	07-01-96	17.00	40
07-01-96	07-01-97	18.00	41
07-01-97	07-01-98	18.50	42
07-01-98	07-01-99	19.00	43
07-01-99	07-01-00	20.50	43
07-01-00	07-01-01	21.50	43
07-01-01	07-01-02	22.50	43
07-01-02	07-01-03	25.50	43
07-01-03	07-01-04	26.50	43
07-01-04	05-02-05	27.50	43
05-02-05	05-02-06	28.50	45
05-02-06	05-07-07	29.50	45
05-07-07	04-21-08	31.50	45
04-21-08	04-20-09	35.00	50
04-20-09	04-19-10	35.50	50
04-19-10		36.00	50
Closed			

Note: *Benefit for service prior to the effective date is offset by the vested benefit earned from IAM Plan A.*

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced by 0.5% for each month under age 65 when benefits begin.

Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 75%, or100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Green Camp, OH Hourly-Wage Employees Pension Plan (Sub-Plan 123)

Effective Date	January 1, 1985, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 1998. Beginning on July 1, 1989, one year shall be credited for each plan year that the participant has earned 1,000 hours. (B) Years of service after July 1, 1998. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 1998. Beginning July 1, 1989, one year shall be credited for each plan year that the participant has earned 1,600 hours. If less than 1,600 hours, then 0.1-year credit will be granted for each full 1.60 hours of service. (D) Years of participation after July 1, 1998. One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.
Normal Retirement	Eligible at age 65. The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-85	08-03-89	$10.00
08-03-89	08-06-90	$10.75
08-06-90	08-05-91	$11.25
08-05-91	08-03-92	$12.00
08-03-92	08-01-93	$13.00
08-01-93	08-01-94	$13.75
08-01-94	08-01-95	$14.50
08-01-95	08-01-96	$15.50
08-01-96	08-01-97	$16.50
08-01-97	08-01-98	$17.00
08-01-98	08-01-99	$20.00
08-01-99	08-01-00	$20.50
08-01-00	06-25-01	$21.00
06-25-01	08-03-02	$23.00
08-03-02	08-02-03	$24.00
08-02-03		$25.00
Closed		

Early Retirement

Eligible upon completion of 30 years of service or attainment of age 55 and completion of 10 years of service, with at least five years of service earned while an employee of Stratoflex, Inc. or Parker Hannifin Corporation.

(A) Benefits payable for retirement under age 62 and 10 years of service or any age and 30 years of service eligibility.

Immediate unreduced payments beginning at retirement equal to normal pension accrued to the date of retirement.

(B) Benefits payable for retirement under age 55 and 10 years eligibility.

(i) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

	(ii) Immediate payments equal to (i), but reduced by 0.5% for each month under age 65 when benefits begin.
Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension: accrued to the date of termination; or (B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 66⅔%, 75%, or 100% joint and survivor ▪ 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Greenville, Tennessee Retirement Plan (Sub-Plan 126)

Effective Date	April 5, 1993, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All salaried, hourly and sales employees became participants on the day they were hired. This plan covers only those employees who were participants on the effective date.
Years of Vesting Service	Before April 5, 1993, years of vesting service are credited according to the TRW Salaried Pension Plan. After April 4, 1993, years of vesting service are credited for each year and partial month of employment with the employer.
Years of Benefit Service	Accrued in the same manner as years of vesting service.
Normal Retirement Date	The date on which an employee attains age 65.
Earnings	The average monthly compensation during the five consecutive calendar years which produces the highest average.
Covered Compensation	Covered compensation is the 35-year monthly average of an employee's taxable wages under Social Security assuming maximum earnings each year during his career.
Normal Retirement	Eligibility is age 65 (normal retirement). The monthly benefit is the greater of (A) and (B): (A) The amount is determined as follows: (i) 1.5% of earnings times years of benefit service (to a maximum of 35 years); plus (ii) 1.33% of earnings times years of benefit service in excess of 35 years; minus (iii) 0.4% of earnings (to a maximum of covered compensation) times years of benefit service (to a maximum of 35 years).

(B) $20 times years of benefit service.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Early Retirement

Eligibility is age 55 with at least 10 years of benefit service.

The early retirement benefit payable prior to age 62 is the accrued normal retirement benefit determined without the offset in (A)(iii) above, reduced by ⅓% per month for each month the benefit commencement date precedes the date of the participant's sixtieth birthday.

The early retirement benefit payable over age 62 up to age 65 is the accrued normal retirement benefit with no reduction.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement, The main provisions of the TPS are summarized in the Appendix.

Termination

Eligibility is three or more years of vesting service (five years prior to July 1, 2008).

The deferred vested benefit payable prior to age 62 is the accrued normal retirement benefit determined without the offset in (A)(iii) above, reduced by 5/9% per month between ages 60 and 65 and reduced actuarially between ages 55 and 60 for each month the benefit commencement date precedes the participant's normal retirement date.

	The deferred vested benefit payable at age 62 is the accrued normal retirement benefit, reduced by 5/9% per month between ages 62 and 65 for each month the benefit commencement date precedes the participant's normal retirement date.
Immediate Lump Sum Payment Option	Eligibility is normal or early retirement or termination after age 55 with at least five years of vesting service. In lieu of the normal, early or vested benefit otherwise payable, a participant may elect to receive an immediate lump sum payment. The lump sum payment is determined using the 30-year Treasury interest rate for the third calendar month preceding the beginning of the plan year in which the payment is made.
Preretirement Spouse's Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before death, taken immediate early retirement, and accepted the 50% joint and survivor option. If the active employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments under the 50% joint and survivor option.
Post Termination Spouse's Benefit	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his/her date of death. If the former employee dies after the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had commenced payments the day before death and accepted the 50% joint and survivor option. If the former employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments under the 50% joint and survivor option.

Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time (“Millennium”) pension increase. The Millennium increase amounts are summarized in the Appendix.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life
- Lump sum

Changes in Plan Provisions Since the Prior Year

None.

Former NWL Retirement Income Plan (Sub-Plan 129)

Effective Date	January 1, 1989, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	
Non-Union	All full-time employees become plan participants on their date of hire.
Union (Kalamazoo Hourly)	All hourly union employees at Kalamazoo become plan participants on their date of hire.
Vesting Service	
Non-Union	Prior to January 1, 1989, vesting service was based on the plan provisions then in effect. After December 31, 1988, vesting service is based on elapsed time.
Union (Kalamazoo Hourly)	Vesting service is based on elapsed time, but no service is given prior to June 1, 1941.
Credited Service	
Non-Union	Equivalent to vesting service, but rounded up to the nearest month.
Union (Kalamazoo Hourly)	Equivalent to vesting service, but rounded up to the nearest month.
Average Monthly Compensation	Average of the highest consecutive 60 months.
Social Security Covered Compensation	Social Security covered compensation is one twelfth of the Social Security taxable wage bases in effect for the 35 years ending with the year the participant would attain Social Security normal retirement age (SSNRA), assuming, in the case of a participant who retires or terminates before SSNRA, that the wage base then in effect continues unchanged until SSNRA.
Normal Retirement	Eligibility is the first day of the month after the attainment of age 65.
Non-Union	Prior to January 1, 1997, benefit is comprised of the sum of the following two pieces: a past service benefit and a future service benefit. The past service benefit is the accrued monthly benefit as of December 31, 1988 based on the plan provisions then in effect.

The future service benefit is the monthly benefit equal to 0.9% of average monthly compensation up to Social Security covered compensation, plus 1.3% of average monthly compensation in excess of Social Security covered compensation multiplied by years of credited service (earned after December 31, 1988) at normal retirement up to 35 years (35 years is reduced by years of credited service earned prior to January 1, 1989); plus 1.3% of average monthly compensation multiplied by years of credited service (earned after December 31, 1988) at normal retirement in excess of 35 years.

After December 31, 1996, the normal retirement benefit is the greater of (A) and (B) below:

(A) The monthly benefit equal to the accrued monthly benefit at December 31, 1996 as calculated above plus the future Parker benefit piece equaling 0.75% of average monthly compensation up to Social Security covered compensation, plus 1.36% of average monthly compensation in excess of Social Security covered compensation multiplied by years of credited service (earned after December 31, 1996) at normal retirement up to 35 years (35 years is reduced by years of credited service earned prior to January 1, 1997); plus 0.5% of average monthly compensation multiplied by years of credited service (earned after December 31, 1996) at normal retirement in excess of 35 years (35 years is reduced by years of credited service earned prior to January 1, 1997, with the excess held to a maximum of five years).

(B) The Parker formula monthly benefit equal to 0.75% of average monthly compensation up to Social Security covered compensation, plus 1.36% of average monthly compensation in excess of Social Security covered compensation multiplied by years of credited service at normal retirement up to 35 years; plus 0.5% of average monthly compensation multiplied by years of credited service at normal retirement in excess of 35 years (maximum of five years).

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is also payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Union (Kalamazoo Hourly)

The monthly retirement benefit is equal to years of credited service times benefit rate.

Date of Retirement	Benefit Rate
08-01-90 to 07-31-94	$22.00
08-01-94 to 07-31-95	$23.00
08-01-95 to 07-31-96	$23.75
08-01-96 to 07-31-97	$24.50
08-01-97 to 07-31-98	$25.50
08-01-98 to 07-31-99	$26.25
08-01-99 to 07-31-00	$27.00
08-01-00 to 07-31-01	$33.75
08-01-01 to 07-31-02	$34.75
08-01-02 to 08-03-03	$35.50
08-04-03 to 07-30-06	$39.50
07-31-06 to 08-05-07	$40.50
08-06-07 to 07-31-11	$43.50
08-01-11 to 07-29-12	$43.00
07-30-12 to 08-05-17	$46.50
08-07-17 to 08-07-22	$49.50

Early Retirement

Non-Union

Eligibility for the past service benefit piece varies depending on formula used in determining benefit on December 31, 1988. Eligibility for all other pieces is attainment of age 55 and completion of 10 years of vesting service.

Prior to January 1, 1997, benefit is comprised of the sum of the following two pieces: an early retirement past service benefit and an early retirement future service benefit.

- The early retirement past service benefit is the early retirement monthly benefit as of December 31, 1988 (including appropriate early retirement reduction factors) based on the plan provisions then in effect.
- The early retirement future service benefit is the normal retirement future service benefit multiplied by the ratio of credited service (earned after December 31, 1988) over credited service (earned after December 31, 1988) at normal retirement and further reduced by an early retirement factor described below.

After December 31, 1996, the early retirement benefit is the greater of (A) and (B) below:

(A) The monthly benefit equal to the early retirement benefit at December 31, 1996 as calculated above plus the normal retirement future Parker benefit as calculated above with the exception of average monthly compensation and credited service calculated at the time of retirement multiplied by an early retirement factor described below.

(B) The monthly benefit equal to the normal retirement Parker formula as calculated above with the exception of average monthly compensation and credited service calculated at the time of retirement multiplied by an early retirement factor described below.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

	If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.
Union (Kalamazoo Hourly)	Eligibility is attainment of age 60 and 10 years of credited service. The monthly benefit is equal to the normal retirement benefit multiplied by an early retirement factor described below.
Early Retirement Factors	The following early retirement reductions are applicable when calculating various early retirement benefits:
Non-Union Future Service Benefit	Age 55 and 10 years of vesting service: Reduced 4% for each year retirement precedes age 65. Age 55 and 30 years of vesting service: Reduced 4% for each year retirement precedes age 62.
Non-Union Future Parker Benefit and Parker Formula	Age 55 and 10 years of vesting service: Reduced 6% for each year retirement precedes age 65.
Union (Kalamazoo Hourly)	Less than 30 years of credited service: Reduced 7.2% for each year retirement precedes age 62. At least 30 years of credited service: No reduction.
Termination	Eligible after three or more years of vesting service for non-union (five years prior to July 1, 2008) or five or more years of vesting service for union.
Non-Union	Deferred vested benefit equal to the early retirement benefit payable at age 65, or payable as early as age 55 with at least 10 years of vesting service, reduced 6% for each year commencement of benefits precede age 65.
Union (Kalamazoo Hourly)	Deferred vested benefit equal to the early retirement benefit payable at age 65, or payable as early as age 60 with at least 10 years of vesting service, reduced 7.2% for each year commencement of benefits precede age 65.

Disability Retirement	
Non-Union	Eligible upon total and permanent disability. The disability benefit is equal to the monthly normal retirement benefit assuming that the participant had worked to normal retirement at the rate of pay in effect at date of disability. Payment of such benefit is deferred until age 65.
Union (Kalamazoo Hourly)	Eligible upon total and permanent disability and 10 years of credited service. The disability benefit is equal to the monthly normal retirement benefit payable on date of disability. At normal retirement, disability benefit ceases and normal retirement benefit begins. Payment of optional forms is not provided for disability retirement. If disabled retiree dies prior to normal retirement date, surviving spouse is entitled to preretirement spouse benefit.
Preretirement Spouse's Benefit	Eligible upon the death of an active or former employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before he died (or termination date, if earlier), lived to his earliest retirement date, taken early retirement, and accepted a joint and survivor option (50% for Nonunion and 55% for Union).
Supplemental Benefit	
Union (Kalamazoo Hourly)	Eligibility is attainment of age 60 and prior to age 62 with at least 25 years of credited service. The monthly supplemental retirement benefit is equal to years of credited service times supplemental benefit rate, payable until age 62.

Date of Retirement	Supplemental Benefit Rate
08-01-90 to 07-31-94	$21.50
08-01-94 to 07-31-95	$22.50
08-01-95 to 07-31-96	$23.25
08-01-96 to 07-31-97	$24.00
08-01-97 to 07-31-98	$25.00
08-01-98 to 07-31-99	$25.75
08-01-99 to 07-25-00	$26.50
07-26-00 to 07-31-01	$33.25
08-01-01 to 07-31-02	$34.25
08-01-02 to 08-03-03	$35.00
08-04-03 to 07-30-06	$39.00
07-31-06 to 08-05-07	$40.00
08-06-07 to 08-06-17	$43.00
08-07-17+	$47.50

Special Medicare Benefits
Union (Kalamazoo Hourly)

Eligible to all retirees and their spouses (except deferred vested retirees) who are age 65 or older or under age 65 and enrolled in voluntary “Medicare” coverage.

The special Medicare benefit is equal to the prevailing full Medicare amount in effect on August 1. Effective August 4, 2003, there is a cap for all future retirees at $65.00. The cap increases to $70.00 for retirements on or after July 31, 2006.

Pension Increase for Retirees
Non-Union Only

Retired participants as of June 1, 2001 received a one-time (“Millennium”) pension increase. The Millennium increase amounts are summarized in the Appendix.

Retirement Income Account (RIA)
Non-Union Only

Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees.

Participants as of June 30, 2004 were given the following plan coverage choices:

(A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or

	(B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis (nonunion) or a 55% joint and survivor reduced by 5% (union) unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options are available. The optional forms available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Joint and survivor with level freeze option

Changes in Plan Provisions Since the Prior Year

- Increase in benefit unit and/or increase in the maximum years of participation.

Former Gresen Hourly Pension Plan (Sub-Plan 136)

Effective Date	January 1, 1986, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	Each employee who was a participant in the Teamsters Union Local No. 970, 1976 Revised Pension Plan is automatically eligible. Other employees become eligible after completion of one year of service.
Years of Service	Plan year in which an employee is credited with 1,000 or more hours of service.
Pension Accrued Service	(A) All full and fractional years of service since January 1, 1976 while employed on an hourly basis by Gresen Manufacturing Division of Dana Corporation; plus (B) All full and fractional years of past service ending on December 31, 1975. (C) Employee shall not be given pension accrual service for hours of service during which an employee is not eligible or is employed by an affiliate of the employer; that is, pension accrual service under one plan may not he transferred to another plan. (D) Any paid absence for which the employer keeps records, such as vacation, incapacity, or layoffs shall be included as pension accrual service as long as a single period of absence is not in excess of 500 hours. (E) Credit will be given after one year for the first year of service accrued following a break in service. (F) Pension accrual service shall not include years of service prior to a break in service if the number of consecutive one-year breaks in service equals or exceeds the aggregate number of years of service prior to the break.

Accrued Benefit

The accrued benefit is the basic benefit level below times years of pension accrual service payable monthly.

Date of Retirement		Basic
On or After	But Before	Benefit Level
04-01-00	05-01-01	$27.00
05-01-01	05-01-02	$30.00
05-01-02	05-01-03	$32.00
05-01-03		$34.00
Closed		

Normal Retirement

Eligibility is attainment of age 65.

The monthly benefit is the accrued benefit determined at normal retirement date.

Early Retirement

Eligibility is attainment of age 62 and 10 or more years of service.

The monthly benefit is the accrued benefit determined at early retirement, reduced by an actuarially equivalent percentage as set forth below

Commencement Age	Early Commencement Factor
62	0.8000
63	0.8667
64	0.9333
65	1.0000

Postponed Retirement

Eligibility at the request of the employee.

The monthly benefit is the accrued benefit determined at date of postponed retirement.

Disability Retirement

All employees who become disabled after attaining age 50 and 10 or more years or service are eligible.

	The monthly benefit is the accrued benefit at the onset of disability, reduced by an actuarial equivalent percentage if prior to normal retirement date. Benefits shall begin on the later of the seventh month of disability or the first day of the month following employment termination.
Termination	Eligible upon completion of five or more years of service. (A) Deferred payments beginning at age 65 equal to the accrued benefit determined at the date of termination. (B) Deferred payments beginning as early as age 62 (if 10 years of service) equal to the benefit payable at normal retirement date actuarially reduced for early commencement.
Surviving Spouse	One-year marriage requirement imposed.
Surviving Benefit	Former and active vested employees and retirees who have elected the normal form of the survivor benefit and who have been married at least one year are eligible. For active vested and terminated vested employees eligible for early or normal retirement: Monthly survivor benefit shall be equal to 50% of the accrued benefit the employee would have received had he retired the day before his death. Benefit payment begins on the first day of the month following the date of death. For retirement employees: Monthly survivor benefit shall be equal to 50% of benefit for which retiree was eligible if the retiree did not decline the survivor's benefit. benefit payment begins on the first day of the month following the date of death. For active vested and terminated vested employees not eligible for normal or early retirement: Monthly survivor benefit shall be equal to 50% of the monthly benefit to which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to early retirement date and had begun receiving benefits that day, and died the next day. Benefit payments begins on early retirement date. Reduction: Pension benefit of retiree is reduced actuarially for survivor benefit option.

Forms of Benefit	Optional forms of payment are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10 or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Commercial Intertech Corp. Pension Plan for Salaried Employees (Sub-Plan 138)

Effective Date	October 28, 1948, as restated July 1, 2008 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All nonunion salaried employees of Commercial Intertech Corp. are eligible after attainment of age 21 and completion of one year of service.
Benefit Service	Elapsed service from date of hire.
Average Compensation (Commercial Intertech)	The average base pay compensation (limited by IRC section 401(a)(17)) during the highest five consecutive years of compensation out of the last 10 years immediately preceding retirement.
Average Monthly Compensation (Parker)	Average of the highest five consecutive calendar years compensation including base salary, bonuses, overtime, incentive, etc., but excluding other compensation such as overseas allowances or moving expenses. Compensation exceeding the IRC section 401(a)(17) limit in the year of retirement or termination ($200,000 retroactively starting with the 2002 plan year) will be excluded when the average monthly compensation is determined.
Social Security Benefit	Estimated Social Security primary insurance amount at normal retirement date under the provision of the Social Security Act at the time of separation from employment assuming that the participant continues at current earnings level as of December 31, 2001.
Social Security Covered Compensation	Social Security covered compensation is one twelfth of the Social Security taxable wage bases in effect for the 35 years ending with the year the participant would attain Social Security normal retirement age (SSNRA), assuming in the case of a participant who retires or terminates before SSNRA, that the wage base then in effect continues unchanged until SSNRA.
Normal Retirement	Eligibility is the later of age 65 or the fifth anniversary of participation. The monthly benefit is the benefit as summarized below but not to exceed the maximum benefit permitted under IRC section 415.

(A) For retirements after December 31, 2001, the benefit is the greater of (i) or (ii) below:

(i) 50% of average compensation (Commercial Intertech), less 50% of Social Security, reduced for less than 25 years of benefit service and increased by 1% for each year of benefit service over 25 (to a maximum of 10%), for benefit service credited through December 31, 2001.

plus

26.25% of average monthly compensation (Parker) up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service earned after December 31, 2001 is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years) for service credited after December 31, 2001.

A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

(ii) 26.25% of average monthly compensation (Parker) up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years) for all benefit service.

A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

(B) For retirements after December 31, 2001 for the grandfathered group (participants attaining at least age 50 with 15 years of service or age 60 with five years of service as of December 31, 2001), the benefit is the greater of (i), (ii) or (iii) below:

(i) 50% of average compensation (Commercial Intertech), less 50% of Social Security, reduced for less than 25 years of benefit service and increased by 1% for each year of benefit service over 25 (to a maximum of 10%), for benefit service credited through December 31, 2001.

plus

26.25% of average monthly compensation (Parker) up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service earned after December 31, 2001 is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years) for service credited after December 31,

2001.
A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

(ii) 26.25% of average monthly compensation (Parker) up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years) for all benefit service.

A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

(iii) 50% of average compensation (Commercial Intertech), less 50% of Social Security, reduced for less than 25 years of benefit service and increased by 1% for each year of benefit service over 25 (to a maximum of 10%), for all benefit service.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants who did not elect to stay in the Commercial Intertech Retiree Medical Plan as of December 31, 2001. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants who did not elect to stay in the Commercial Intertech Retiree Medical Plan as of December 31, 2001 retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Accrued Benefit (Commercial Intertech)

The normal retirement benefit above under the prior Commercial Intertech formula only computed using benefit service projected to age 65, and then multiplying by benefit service at accrued benefit determination divided by benefit service projected to age 65.

Early Retirement

Eligibility is age 55 with 10 years of service, or a participant on December 31, 2001 who would not have five years of service by age 62.

The monthly benefit is the benefit under the prior Commercial Intertech formula reduced by 3/10 of 1% for each month early commencement precedes age 65.

plus/or

The benefit earned under the Parker formula reduced by 5/10 of 1% for each month early commencement precedes age 65.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants who did not elect to stay in the Commercial Intertech Retiree Medical Plan as of December 31, 2001. The main provisions of the RMA are summarized in the Appendix.

	If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants who did not elect to stay in the Commercial Intertech Retiree Medical Plan as of December 31, 2001 retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.
Termination	Eligible upon completion of three years of service (five years prior to July 1, 2008). The benefit payable at normal retirement date, based on average compensation at termination. If the participant has 10 years of service, early commencement is available after age 55. The benefit under the prior Commercial Intertech formula reduced by 3/10 of 1% for each month early commencement precedes age 65. plus/or The benefit earned under the Parker formula reduced by 5/10 of 1% for each month early commencement precedes age 65.
Preretirement Spouse’s Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before he died, taken immediate early retirement, and accepted the 50% joint and survivor option.
Postretirement Spouse’s Benefit	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his date of death.

	If the former employee dies after the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had commenced payments the day before he died and accepted the 50% joint and survivor option. If the former employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments on his fifty-fifth birthday under the 50% joint and survivor option.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	Optional forms of payment are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life
Coordination With Other Plans	Transfers into the Salaried Plan will be computed as if the employee was always in this plan. Any benefits from other plans will offset the portion payable from the plan.

Early Retirement Window	Eligibility applies to certain non-highly compensated employees retiring between October 1, 1996 and November 14, 1996 and between November 15, 1998 and December 31, 1998. The benefit payable is computed without a reduction to service or early commencement reduction using current compensation as the five-year average. An additional $800/month supplement to age 65 was provided and offered as a lump sum.

Changes in Plan Provisions Since the Prior Year

None.

Former Commercial Intertech Corp. Pension Plan for Hourly Paid Employees (Sub-Plan 139)

Effective Date	April 1, 1950, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly paid employees of Commercial Intertech Corp. represented by the United Steelworkers of America are eligible after attainment of age 21 and completion of one year of continuous service.
Continuous Service	All full and fractional years of service to the nearest month from last date of hire to termination of employment, including any service required to be credited as a result of break in service rules. For part time employees, all dollar amount minimum benefits (i.e., unrelated to final average earnings) shall be based on continuous service which is proportionately reduced for less than full time employment.
Average Monthly Earnings	The monthly average earnings of the 60 highest consecutive calendar months of total earnings in last 120 months prior to termination of employment or retirement. Earnings will exclude certain cost of living adjustments in base rates since September 30, 1974. Effective January 1, 1997, the cost of living adjustment was $3.50 per base hour.
Normal Retirement	Eligibility is age 65 or the fifth anniversary of participation, if later. The monthly benefit is equal to the greater of (A) and (B) below: (A) Percent Pension: 1.1% of average monthly earnings for percent pension times years of continuous service not in excess of 30, plus 1.2% of average monthly earnings times years of continuous service in excess of 30 years. This benefit is increased by 12.6% for retirements on or after November 1, 1995.

(B) Minimum Pension: $26.50 per month times years of continuous service with a minimum benefit (for continuous service over 30 years) of $1,060 per month. The benefit units will be increased for retirements on or after the effective dates below:

Effective Date	Benefit Unit (Per Year of Service)	Minimum Benefit (for Continuous Service Over 30 Years)
11-01-00	$27.00	$1,080
11-01-01	$27.50	$1,100
02-01-02	$30.00	$1,100
02-01-03	$32.00	$1,100
02-01-04	$33.00	$1,100
02-01-05	$34.00	$1,100
02-06-06	$35.50	$1,100
02-11-07	$37.00	$1,100
02-10-08	$38.00	$1,100
02-03-09	$39.00	$1,100
02-03-10	$39.25	$1,100
02-13-11	$39.50	$1,100
02-12-12	$39.75	$1,100
02-10-13	$40.00	$1,100

Accrued Benefit

The normal retirement benefit above computed using average monthly earnings and continuous service at termination or date of determination.

Early Retirement (Unreduced)

Eligibility is at any age with 30 years of continuous service or age 62 with 15 years of continuous service.

The monthly benefit is the accrued benefit without actuarial reduction for early commencement.

Early Retirement (Reduced)

Eligibility is at age 60 with 15 years of continuous service.

The monthly benefit is the accrued benefit reduced to the actuarial equivalent of the benefit payable at age 62.

Termination

Eligible upon completion of five years of continuous service.

The monthly benefit is the accrued benefit payable at normal retirement date. The accrued benefit can be payable as early as age 60 on an actuarially reduced

	basis. If the participant terminated after age 40 with 15 years of continuous service, then the actuarial reduction is from age 62 instead of age 65.
70/80 or Rule of 65 Retirement Benefit	Eligible upon completion of 15 years of continuous service, attainment of age 55, and sum of age and continuous service total 70 or more; or, completion of 15 years of continuous service and the sum of age and continuous service total 80 or more; or, completion of 20 years of continuous service and the sum of age and continuous service total 65 or more. Retirement must be due to plant shutdown or layoff. A monthly benefit equal to (A) plus (B) below is payable immediately: (A) The accrued benefit determined at date of retirement. plus (B) A temporary supplement of $300 per month is payable until eligible for Social Security.
Disability Benefit	Eligible when physically or mentally incapacitated with 15 years of continuous service. An immediate benefit equal to (A) plus (B) below will commence after six months: (A) The accrued benefit at date of disability retirement. plus (B) A temporary supplement of $300 per month payable until eligible for Social Security.
Surviving Spouse’s Benefit	Surviving spouses of married participants who die with 1.5 years of continuous service either pre or postretirement are eligible.

	The benefit payable to the surviving spouse equals 50% of the accrued benefit at date of participant's death (minimum $140 per month) reduced when the spouse attains age 60 by the Social Security benefit that the spouse is eligible to receive (minimum: $125 per month). Retirements prior to November 1, 1996 may have different minimums.
React Preretirement Spouse's Benefit	Surviving spouses of married participants who die after having completed five years of continuous service prior to benefit commencement are eligible. The benefit payable to the surviving spouse equals the accrued benefit at date of participant's death commencing at the earliest retirement age reduced for early retirement and the 50% joint and survivor option. This amount will be a minimum for a preretirement death but will not be paid in addition to the surviving spouse benefit.
Forms of Payment	Optional forms of payment are: ▪ Straight life annuity ▪ Actuarially reduced 50%, 75%, or ▪ 100% joint and survivor annuity ▪ 5 or 10-year certain and life ▪ 50% joint and survivor with 10-year certain and life
Special Initial Payment	Payable for all retirements, except deferred vested retirements and disability retirements. In lieu of the first three months' pension payments, a lump sum payment equal to 13 weeks of vacation pay, reduced by actual vacation pay received in year of retirement is payable.

Changes in Plan Provisions Since the Prior Year

None.

Former Intertech Corp. Pension Plan for Hourly Paid Employees, Hicksville Plan (Sub-Plan 140)

Effective Date	May 6, 1973, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly employees of Commercial Intertech Corp., Hicksville, Ohio Plant are eligible after attainment of age 21 and completion of one year of service.
Service	
Vesting	All continuous service with Commercial Intertech Corp. computed to the nearest one-twelfth year.
Pension	All continuous service with Commercial Intertech Corp. Hicksville, Ohio Plant as an hourly employee computed to the nearest one-twelfth year.
Normal Retirement	Eligible at the later of age 65 and fifth anniversary of participation. The monthly benefit is the benefit unit below multiplied by pension service.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
11-01-89	07-08-93	$13.00
07-08-93	07-01-97	$15.75
07-01-97	07-01-98	$17.50
07-01-98	07-01-99	$19.00
07-01-99	07-01-00	$20.00
07-01-00	07-01-01	$21.00
07-01-01	07-01-02	$23.50
07-01-02	07-01-03	$24.50
07-01-03	07-01-04	$25.50
07-01-04	07-01-05	$26.50
07-01-05	07-02-06	$27.50
07-02-06	07-01-07	$28.50
07-01-07	07-06-08	$29.50
07-06-08	07-27-08	$30.50
07-27-09	07-25-10	$31.00

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
07-25-10	07-24-11	$31.50
07-24-11	07-29-12	$32.00
07-29-12	07-22-13	$32.50
07-22-13	07-21-14	$33.00
07-21-14	07-20-15	$33.50
07-20-15	07-24-16	$34.00
07-24-16	07-23-17	$34.50
07-24-17	07-23-18	$35.00
07-24-18	07-23-19	$35.50
07-24-19	07-23-19	$36.00

Early Retirement

Eligible at age 62 with 15 years of vesting service.

The monthly benefit is the accrued benefit (as determined under normal retirement above) based on pension service at termination reduced based on the chart below for early commencement:

Age	Reduction Factor
62	0.7528
63	0.7253
64	0.9072

Termination

Eligible at any age with five years of vesting service.

The accrued pension is payable at normal retirement date as determined in normal retirement above based on pension service at termination. A participant with 15 years of vesting service may elect to commence the benefit at age 62 reduced as for early retirement.

Disability Retirement

Eligible at any age with 10 years of vesting service.

A benefit is payable after six months of disability computed as in termination above based on pension service at date of disability. The benefit is payable without reduction for early commencement.

Preretirement Spouse's Benefit	Surviving spouses of married participants who die after having completed five years of vesting service are eligible. The benefit payable to the surviving spouse equals the accrued benefit (as determined in normal retirement above) at date of participant's death based on pension service at date of death. This benefit is then reduced to the actuarial equivalent of this benefit had the participant lived to early retirement (or age of death, if death occurs after early retirement), retired with a qualified 50% joint and survivor annuity and then died.
Forms of Payment	Optional forms of payment are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and Life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

- Increase in benefit unit and/or increase in the maximum years of participation.

Former Wynn's International, Inc. Retirement Plan (Sub-Plan 146)

Effective Date	January 1, 1978, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	Attainment of age 21 and completion of 1,000 hours of service in a plan year, providing that the employee is not covered by a collective bargaining agreement.
Vesting Service	One year for each plan year in which a participant has been credited with 1,000 or more hours of service.
Benefit Service	One year for each plan year in which a participant has been credited with 1,000 or more hours of service.
Compensation	The base rate of compensation paid by an employer to an employee as of the January 1 of the plan year of determination, expressed as an annual rate.
Normal Retirement	Eligibility is attainment of age 65. The normal retirement benefit is the greater of (A) and (B), plus (C): (A) For service prior to January 1, 1978 the benefit is equal to the sum of ¾% of the December 31, 1977 base salary up to $16,500 and 1¼% of the December 31, 1977 base salary in excess of $16,500 multiplied by credited service prior to December 31, 1977 (from date of acquisition or, if later, attainment of age 25 with one year of service). For service between January 1, 1978 and December 31, 1988, the benefit is equal to the sum of 1% of the January 1 base salary for that year up to the Social Security wage base, plus 2% of the January 1 base salary for that year in excess of the Social Security wage base. For service during each plan year between January 1, 1989 and December 31, 1998 (until a participant has 35 total years of service); the benefit is equal to the sum of 1.15% of the January 1 base salary for that year up to $10,000 plus 1.80% of the January 1 base salary in excess of $10,000.

	For service during each plan year between January 1, 1989 and December 31, 1998 (after the participant has 35 total years of service), the benefit is equal to 1.8% of the January 1 base salary for each year after 35 years. (B) For service prior to January 1, 1999, the benefit is equal to 1.5% of average compensation (using January 1, 1997, January 1, 1998 and January 1, 1999 compensation) times years of vesting service earned as of January 1, 1999. (C) For each plan year of service beginning on or after January 1, 1999, the benefit is equal to 1.9% of the January 1 base salary.
Early Retirement	Eligibility is attainment of age 55 and completion of five years of vesting service. The benefit is equal to the normal retirement benefit but using compensation at the time of early retirement and using service only to the early retirement date but reduced for early retirement by 1/180 for each of the first 60 months and 1/360 for each of the next 60 months preceding normal retirement.
Termination	Eligible after five or more years of vesting service. Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse’s Benefit	Eligible upon the death of a married participant while eligible for a vested retirement benefit. The benefit payable to the surviving spouse is determined as though the participant had retired the day before he died, or at age 55, if later, and accepted the 50% joint and survivor option.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or

(B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.

Forms of Payment

A married participant shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single participant shall receive the benefit on a life annuity basis.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Salaried Employees' Pension Plan of Wynn's-Precision, Inc (Sub-plan 147)

Plan Sponsor	Parker Hannifin Corporation.
Effective Date	June 14, 1959; as amended effective January 1, 2001 to freeze plan participation and the accumulation of benefits as of the following "freeze dates."

Freeze Date	Location
12/31/2000	Dynamic Seals, Inc.
02/28/2001	Wynn's Keeper, Inc.
05/01/2001	Wynn's-Precision, Inc.

Effective July 1, 2004, this plan was further amended to change the plan year from a calendar year to the 12-month period beginning each July 1 and ending the following June 30. Most recently amended effective July 1, 2008 by Amendment 6.

The plan was merged into the Consolidated Pension Plan as of June 30, 2013.

Participation	Eligible salaried employees participate in the noncontributory portion of the plan upon date of hire. Participation in the contributory portion of the plan is dependent upon the employee's agreement to make the required contributions. Effective with the January 1, 2001 amendment to the plan, participation is closed as of the applicable freeze date.
Service	Before January 1, 1976, service for all purposes is credited from last date of hire to nearest one-fourth year. Service after January 1, 1976 for all purposes is credited on the basis of full years and month of employment completed as of a participant's applicable freeze date.
Accrual of Benefits	A participant has accumulated a benefit payable at normal retirement date based on compensation and benefit service as of the applicable freeze date.
Employee Contributions	Employees are required to make contributions equal to 3% of compensation (not to exceed $200,000, as adjusted) to receive contributory benefit accruals.

	Employee contribution requirements were suspended as of the applicable freeze date.
Compensation	Compensation for contribution and pension calculation purposes is equal to 1/12th of the average of basic annual rate of compensation (not to exceed $200,000 as adjusted) as of each January 1 for the highest five consecutive years of contributory benefit service granted prior to the applicable freeze date.
Normal Retirement	Eligible at age 65 or the fifth anniversary of plan participation, if later. The monthly benefit is equal to the sum (1) and (2): (1) Noncontributory benefit amount determined as a monthly benefit equal to $100.00, reduced by 1/15th for each year of service less than 15 years at the employee's normal retirement date. In no event shall the noncontributory benefit of an employee who was an active participant on December 31, 1982 be less than $3.50 times credited service at his freeze date. (2) Contributory benefit amount determined as follows: a. 2⅓% of monthly plan compensation times benefit service (not to exceed 15 years); plus b. 1% of monthly plan compensation times benefit service in excess of 15 years. For purposes of determining the contributory benefit at the freeze date, benefit service means that period of credited service during which the participant made employee contributions as required by the contributory portion of the plan.
Early Retirement	Eligible at age 55 and five years of service. The early retirement benefit is the accrued retirement benefit reduced 1/180 for each of the first 60 months and 1/360 for each additional month by which the early retirement date precedes the normal retirement date.
Termination	Participants who were active employees at the applicable freeze date became eligible for 100% of their accrued retirement benefit payable at their normal

	retirement date. A participant with five years of service may elect to commence their benefit as early as age 55 reduced as for early retirement.
Spouse Pension	Upon death of an unmarried contributory participant or a married participant with non-vested benefit, the beneficiary receives the participant's accumulation payable in a lump sum. The surviving spouse of a vested participant receives the spouse's portion of a 100% survivor annuity reduced for early commencement and payable at the earliest retirement age of the participant or later date if elected by the spouse.
Disability Retirement	Eligible at age 55 and five years of credited service. The disability retirement benefit is the accrued retirement benefit reduced for early payment.
Late Retirement	Eligible if employment continues after normal retirement date. The late retirement benefit is equal to the retirement benefit determined at the applicable freeze date based on normal retirement benefit formula and plan compensation and credited service at such date.
Forms of Payment	An employee will normally receive his benefit on a straight-life basis or, if married, the actuarial equivalent of such benefits payable as a 100% joint and survivor annuity. A single life annuity, 10-year certain annuity, and 50% joint and survivor annuity are also available options.
Actuarial Equivalent	The 30-year Treasury security rate for May and the 1983 Group Annuity Mortality Table weighted 50% male and 50% female.
Plan Year	July 1 to June 30.

Changes in Plan Provisions Since the Prior Year

None.

Former Hourly Employees' Pension Plan for Wynn's Precision, Inc. (Sub-Plan 148)

Effective Date	June 14, 1959, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Participation	Each participant who was a participant as of January 1, 2001 shall continue as a participant in the 2001 plan and his participation date shall be the date as of which he became a participant in the prior plan. Each employee who was not a participant in the prior plan of the employer shall become a participant in the 2001 plan on the January 1 coinciding with or next following the date of which the employee first performs an hour of service for the employer.
Continuous Service	The period during which an employee shall have been continuously employed by the employer or by the employer's division in Lebanon, Tennessee from his most recent date of employment to the date of his retirement under the Plan or his normal retirement date, whichever occurs first. Continuous service shall not accumulate in excess of two years during any one period of layoff, leave of absence, disability or other specified purpose.
Credited Service	Prior to January 1, 1976 credited service was based on continuous service, and after that date, credited service is computed on the basis of full years and completed months.
Normal Retirement	Eligibility is attainment of age 65 and five years of credited service. (A) Determinations made prior to June 30, 1999: The monthly benefit is $14.00 multiplied by credited service. If a participant was formerly employed with Wheaton, Inc., the benefit unit below is multiplied by credited service accrued after the date of acquisition of the Springfield, Kentucky plant.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
09-30-96	01-01-97	$10.00
01-01-97	07-01-99	$10.00, pills $1.00 multiplied by credited service under the Wheaton Consolidated Service Retirement Plan as of the acquisition.

(B) Determinations made after June 30, 1999:

The monthly benefit is $14.00 multiplied by credited service; then increased as shown below.

For employees formerly covered under the Wheaton Consolidated Service Retirement Plan, $4.00 times credited service earned under that plan at date of acquisition plus $14.00 times credited service thereafter; then increased as shown below

Effective As of:	Kentucky Employees	Lebanon Union Employees
April 2001	$5/$15	$15.00
May 2001	—	—
April 2002	$6/$16	$16.00
May 2002	—	—
April 2003	$7/$17	$17.00
May 2003	—	—
April 2004	$8/$18	$18.00
May 2004	—	—
April 2005	Closed	$19.00
April 2006		$20.00
April 2007		$21.00
April 2008		$23.00
April 2011		$23.50
April 2012		$23.75
April 2013		$24.25
April 2014		$24.75
April 2015		$25.00
April 2016		$25.25
April 2017		$25.25

Early Retirement	Eligibility is attainment of age 55 and completion of five years of credited service. Benefit is equal to either: (i) deferred benefit payable at his normal retirement date equal to accrued benefit determined as of his early retirement date, or (ii) an immediate pension equal to his accrued benefit determined as of his early retirement date but reduced 0.4% for each month that early retirement precedes normal retirement date.
Disability Benefit	Eligible after five or more years of credited service and deemed disabled by the Administrative Committee. Benefit is equal to: (A) Prior to the participant's normal retirement date, $19.00 multiplied by credited service; and (B) At the participant's normal retirement date, accrued retirement benefit determined as of his disability retirement date.
Termination	Eligible after three or more years of credited service (five years prior to July 1, 2008). The deferred vested benefit is equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse's Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit. A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as follows: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, and died on the day after he would have attained earliest retirement age.

Post Termination Spouse's Benefit	Eligible upon the death of a former employee while eligible for a vested benefit. A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as follows: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, and died on the day after he would have attained earliest retirement age.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Hourly Employees' Pension Plan for Dynamic Seals, Inc. (Sub-Plan 149)

Effective Date	March 1, 1982, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly employees who are members of a designated class of employees for which a separate benefit schedule is adopted by the employer shall participate as of the date of hire.
Vesting Service	Continuous service as determined prior to March 1, 1982 under The Richardson Company 1966 Divisional Pension Plan for Hourly Rated Employees plus the exact number of years and days of an individual's employment with the employer.
Benefit Service	No service prior to March 1, 1982. Thereafter, the exact number of years and days of an individual's employment with the employer.
Normal Retirement	Eligibility is attainment of age 65 and completion of five years of vesting service. The amount of the monthly benefit is as follows:
Employees of Dynamic Seals, Inc. Houston, Texas Plant	$5.00 multiplied by credited service (as an employee under this plan) from March I, 1982 (or date of hire, if later) to December 31, 1992 plus $7.50 multiplied by credited service on or after January 1, 1993 to January 1, 2001.
Employees of Dynamic Seals, Inc. Lynchburg, Virginia Plan	The benefit unit below is multiplied by all years of credited service (as an employee under this plan) after February 26, 1982 (or date of hire, if later).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-00	01-01-01	$ 9.50
01-01-01	01-01-02	$11.00
01-01-02	01-01-03	$13.00
01-01-03	01-01-04	$14.00
01-01-04	01-01-05	$15.00
01-01-05	01-01-06	$17.00
01-01-06	01-01-07	$18.00
01-01-07	01-01-08	$19.00
01-01-08	01-01-09	$20.00
01-01-09	01-01-14	$22.00
01-01-14	01-01-15	$23.00
01-01-15	01-01-16	$23.50
01-01-16	01-01-17	$24.00
01-01-17	01-01-18	$24.50

Early Retirement	Eligibility is attainment of age 55 and completion of five years of vesting service. Benefit is equal to either: (A) deferred benefit payable at normal retirement date equal to the accrued benefit at early retirement date, or (B) an immediate pension reduced 0.4% for each month that early retirement precedes normal retirement date.
Disability	Eligible after 15 years of vesting service and total and permanent disability. The disability benefit is equal to the accrued retirement benefit determined at disability retirement date. The unreduced accrued retirement benefit will be doubled for the period between the date of disability benefits begin and the earlier of normal retirement date or the date the employee becomes eligible for Social Security primary old age or disability benefits.
Termination	Eligible after five or more years of vesting service. Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse’s Benefit	Eligible upon the death of an active married employee while eligible for a vested retirement benefit.

	A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, retired with commencement at his earliest retirement age, and died on the day after he would have attained earliest retirement age.
Post Termination Spouse's Benefit	Eligible upon the death of a former married employee while eligible for a vested benefit. A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, retired with commencement at his earliest retirement age, and died on the day after he would have attained earliest retirement age.

Special Termination Benefit

Eligible if attained five years of uninterrupted employment after March 1, 1982 and not eligible for a pension benefit other than severance under this plan and either terminated because no longer meets the requirements of the job and is not qualified for transfer to another job, or terminated because operations at a plant or department are permanently discontinued. This does not apply if the employee is temporarily disabled and under age 65 and leaves the service of the employer while still considered employable by the employer.

The benefit is computed on the following basis:

Length of Most Recent Uninterrupted Employment (After March 1, 1982)	Percent of Total Earnings (After March 1, 1982)
5 Years But Fewer Than 10	2.0%
10 Years But Fewer Than 15	2.5%
15 or More Years	3.0%

Earnings means the entire amount of compensation paid to the employee by the employer, including piecework earnings and bonuses, overtime pay, shift premiums, vacation pay, reporting for work pay and holiday pay.

Forms of Payment

A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, 15-year certain and life
- 50% joint and survivor with 10-year certain and life
- Lump sum payout

Changes in Plan Provisions Since the Prior Year

None.

Former Goshen Rubber Company, Inc. Pension Plan—Goshen Plan Union Employees (Sub-Plan 150)

Effective Date	June 2, 1961, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Participation	Each employee who is covered under the collective bargaining agreement between the employer and Local 650, United Rubber, Cork Linoleum and Plastic Workers of America shall become a participant on the date next following the date as of which he has completed six months of employment without regard to hours of service. Note that employees on June 2, 1989 that were participants in the 1985 Plan will continue to be participants in the 1989 Plan, with their participation date equal to the participation date in the 1985 Plan.
Credited Service	Continuous service from the employee's employment commencement date to his severance from service date computed on the basis of completed one-twelfths of a year.
Vesting Service	Continuous service from the employee's employment commencement date to his severance from service date computed on the basis of completed one-twelfths of a year.
Normal Retirement	Eligibility is attainment of age 65. The monthly benefit is equal to the sum of the following: (A) Credited service earned prior to August 1, 1988 multiplied by $10.50; plus (B) Credited service earned after August 1, 1988, but before January 1, 1995 multiplied $15.50; plus (C) Credited service earned after January 1, 1995 but before June 2, 1998 multiplied by $18.00; plus

(D) Credited service earned after June 2, 1998 but before July 1, 2002 multiplied by $21.00;

plus

(E) Credited serviced earned after July 1, 2002 multiplied by the benefit unit shown below:

Date of Retirement

On or After	But Before	Benefit Unit
07-01-02	07-01-03	$22.00
07-01-03	07-01-04	$22.75
07-01-04	07-01-05	$23.50
07-01-05	07-01-06	$24.25
07-01-06	07-01-07	$26.25
07-01-07	07-01-08	$28.25
07-01-08	06-27-10	$30.25
06-27-10	06-22-14	$31.25
06-22-14	06-22-15	$31.75
06-22-15	06-20-16	$32.00
06-20-16	06-17-17	$32.25
06-17-17	06-17-18	$32.50

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of vesting service.

Benefit is equal to an immediate pension equal to the accrued benefit determined as of the early retirement date reduced 0.4% for each month that early retirement precedes the first day of the month coinciding with or otherwise next following the participant’s sixty-second birthday.

Disability Retirement	Eligible after 10 years of vesting service. The disability benefit is equal to the accrued benefit determined as of the disability retirement date. This benefit will be increased by 100% if the participant is not entitled to Social Security disability payments. This increased benefit will be reduced to the regular disability benefit on his normal retirement date or when he begins to receive any Social Security payments, whichever comes first.
Termination	Eligible after five or more years of vesting service. Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement. In lieu of receiving a benefit as described above, a participant may elect to receive a single lump sum severance benefit in the amount of $195.00 multiplied by his years of credited service. The participant's benefit payable as a monthly amount starting on his normal retirement date is then reduced by this lump sum.
Preretirement Spouse's Benefit	Eligible upon the death of an active married employee while eligible for a vested retirement benefit. A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as follows: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, retired with commencement at his earliest retirement age, and died on the day after he would have attained earliest retirement age.
Post Termination Spouse's Benefit	Eligible upon the death of a former married employee while eligible for a vested benefit.

	A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as follows: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, retired with commencement at his earliest retirement age, and died on the day after he would have attained earliest retirement age.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, 15, or 20-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Level income option

Changes in Plan Provisions Since the Prior Year

None.

Former Watts FluidAir Pension Plan—Hourly Participants (Sub-Plan 151-H)

Effective Date	March 18, 1978, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All production and maintenance employees of the company compensated on an hourly basis will be eligible for participation on the first day of the month coincident with or next following the date on which he has completed one year of eligibility service and has attained at least age 21. ***Note:*** *An employee will be credited with one year of eligibility service after completing 1,000 hours of service during the 12-month period following his date of hire or during any following plan year.*
Vesting Service	One year of vesting service shall be credited for each plan year that the participant has earned 1,000 hours. If the participant has earned less than 1,000 hours, but has not experienced a break in service, vesting service credit will be granted according to the following schedule:

Hours of Service During One Plan Year	**Vesting Service Credit**
500–727	0.3
728–935	0.4
936–999	0.5
1,000 or More	1.0

Benefit Service	One full year of benefit service will be credited for every plan year that the member completes 2,080 hours of service; for less than 2,080 hours of service in a plan year, a fraction of a year equal to the number of hours of service divided by 2,080 (rounded to the nearest one-tenth) will be credited.
Normal Retirement	Eligibility is attainment of age 65. The monthly benefit is equal to the benefit amount in the table below multiplied by benefit service.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-89	01-01-03	$11.00
01-01-03	07-01-04	$12.50
07-01-04	01-01-05	$13.50
01-01-05	01-01-06	$14.50
01-01-06	01-01-07	$16.00
01-01-07	01-01-08	$16.50
01-01-08	01-01-09	$17.50
01-01-09	01-01-11	$18.50
01-01-11	01-01-12	$19.50
01-01-12	01-01-13	$20.50
01-01-13	01-01-14	$22.00
01-01-14	01-01-15	$23.00

In addition to the regular plan benefit described above, a retiree medical account (RM.A) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Early Retirement

Eligibility is attainment of age 55 and completion of five years of vesting service.

The benefit is equal to the normal retirement benefit based on benefit service as of the early retirement date. Payments that begin prior to the normal retirement date will be reduced by 5/9 of 1% for each of the first 60 months by which commencement precedes the normal retirement date, and by 5/18 of 1% for each month thereafter, if any, by which commencement of benefits precedes the normal retirement date.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Termination	Eligible after five or more years of vesting service. Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse's Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is equal to the spouse's portion of a 50% joint and survivor annuity calculated at the time of death but payable at the later of the participant's normal retirement date (or early retirement date at spouse's election) or date of death.
Post Termination Spouse's Benefit	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is equal to the spouse's portion of a 50% joint and survivor annuity calculated at the time of death but payable at the later of the participant's normal retirement date (or early retirement date at spouse's election) or date of death.
Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time ("Millennium") pension increase. The Millennium increase amounts are summarized in the Appendix.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis, unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options are available.

Changes in Plan Provisions Since the Prior Year

None.

Former Watts FluidAir Pension Plan—Salaried Participants (Sub-Plan 151-S)

Effective Date	January 1, 1989, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All clerical and salaried employees of the company will be eligible for participation on the first day of the month coincident with or next following the date on which he has completed one year of eligibility service and has attained age 21. ***Note:*** *an employee will be credited with one year of eligibility service after completing 1,000 hours of service during the 12-month period following his date of hire or during any following plan year.*
Vesting Service	A year of vesting service is granted for each plan year that the employee completes 1,000 or more hours of service.
Benefit Service	A year of benefit service is granted for each year that an employee completes 1,000 or more hours of service, excluding years of service prior to the participant's eighteenth birthday.
Final Average Earnings	The average of the highest 60 consecutive months of earnings within the last 120 months ending on the date of termination. Earnings are limited to the Section 401(a)(17) limit.
Normal Retirement	Eligibility is attainment of age 65. The monthly benefit will be equal to the greater of (A) and (B): (A) The frozen benefit as of December 31, 2000 calculated under the former Watts FluidAir Pension Plan for Salaried Employees formula, plus the benefit for future service calculated under the former Parker Hannifin Corporation Retirement Plan formula; or

(B) The benefit for all service calculated under the former Parker Hannifin Corporation Retirement Plan formula. (Same as Sub-Plan 050 formula.)

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Early Retirement

Eligibility is attainment of age 55 and completion of five years of vesting service.

The benefit is equal to the benefit calculated at normal retirement but based on final average earnings as of the early retirement date. Payments may begin before normal retirement date, but will be reduced in accordance with the following schedule:

Years Before Normal Retirement Date	Reduction Factor
0	1.000
1	0.923
2	0.846
3	0.769
4	0.731
5	0.692
6	0.654
7	0.615
8	0.577
9	0.529
10	0.486

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Termination	Eligible after three or more years of vesting service (five years prior to July 1, 2008). Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Spouse's Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is equal to the spouse's portion of the 50% joint and survivor benefit calculated at the time of death but payable at the later of the participant's normal retirement date (or early retirement date if the spouse elects) and date of death.
Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time ("Millennium") pension increase. The Millennium increase amounts are summarized in the Appendix.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.

Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis, unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Miller Fluid Power Defined Benefit Plan (Sub-Plan 153)

Effective Date	January 1, 1989, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Participation	Employees are eligible to participate at the later of the first of the month coinciding with or next following the date at which he reaches age 21 or one year of benefit service.
Vesting Service	
Salaried Participants	One year of service for each 12-month period of employment with prorated service (to the nearest l/10th) for periods less than a full year.
Hourly Participants	An employee receives one year of vesting service for each plan year after January 1, 1989 in which 1,000 hours of service are performed.
Years of Benefit Service	
Salaried Participants	(A) Year of benefit service prior to January 1, 2002. A year of benefit service is earned for each year of employment in which a minimum of 1,000 hours is worked plus an additional partial year if less than 1,000 hours in year of retirement on or after age 65. (B) Year of benefit service after January 1, 2002. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.
Hourly Participants	A year of benefit service is earned for each year of employment in which a minimum of 1,000 hours is worked plus an additional partial year if less than 1,000 hours in year of retirement on or after age 65.

Average Monthly Compensation

Average of the highest five calendar years compensation including base salary, bonuses, overtime, incentive, etc., but excluding other compensation such as overseas allowances or moving expenses. Compensation exceeding the IRC section 401(a)(17) limit in the year of retirement or termination ($200,000 retroactively starting with the 2002 plan year) will be excluded when the average monthly compensation is determined.

Normal Retirement

Salaried Participants

Eligibility is attainment of age 65.

The monthly benefit is equal to (A) plus (B):

(A) The frozen benefit as of December 31, 2001 calculated under the former Miller Fluid Power Pension Plan.

(B) The monthly benefit equal to 26.25% of average monthly compensation up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years earned after December 31, 2001 in excess of 35 (maximum five years). A minimum benefit based on the benefit unit table below times basic service earned after December 31, 2001 (maximum 40 years) will be paid. Social Security covered compensation is the average of the taxable wage bases under Social Security during the 35 years ending with the employee's Social Security retirement age.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Hourly Participants

(A) $5 multiplied by years of benefit service completed prior to January 1, 1989; and

(B) The benefit unit below multiplied by years of benefit service after December 31, 1988.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-89	04-01-02	$15.00
04-01-02	04-01-03	$16.00
04-01-03	04-01-05	$17.25
04-01-05		$18.50
Closed		

Early Retirement

Salaried Participants

Eligibility is attainment of age 55 and completion of 10 years of vesting service.

Benefit is equal to either: (i) deferred benefit payable at age 65 equal to the normal pension but using average monthly compensation at time of early retirement and using his years of service only to the retirement date, or (ii) an immediate pension equal to (i) but reduced 0.5% for each month that early retirement precedes normal retirement date.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Hourly Participants

Age 55 and 10 years, reduced 0.5% per month preceding normal retirement date.

Disability Retirement

Salaried Participants

No provision is provided applicable to the salary related formula.

Hourly Participants

Eligible upon termination of employment on account of total and permanent disability. The disability benefit is equal to the 100% vested accrued benefit at the date of disability and is payable at the normal retirement date.

Termination

Salaried Participants

Eligible after three or more years of vesting service (five years prior to July 1, 2008).

Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.

Hourly Participants

Employees are vested in their benefits based on the following schedule:

Years of Vesting Service	Vesting Percent
0–1	0%
2	20%
3	40%
4	60%
5	80%
6+	100%

Participants become 100% vested on their normal retirement date regardless of their years of vesting service.

Deferred vested benefit equal to the normal retirement benefit payable at age 65.

Preretirement Spouse's Benefit	
Salaried Participants	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding the date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before the date of death, taken immediate early retirement, and accepted the 50% joint and survivor option.
Hourly Participants	Eligible upon the death of an active married employee. The Surviving spouse will receive 50% of the amount of the benefit that the employee would have received had the employee been 100% vested, terminated on the day of death, survived to normal retirement date, elected the 50% joint and survivor form then died the day after retirement. The surviving spouse will begin to receive this benefit at the later of the employee's date of death or normal retirement date.
Post-Termination Spouse's Benefit	
Salaried Participants	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his date of death. If the former employee dies after the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had commenced payments the day before the date of death and accepted the 50% joint and survivor option. If the former employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments under the 50% joint and survivor option.

Hourly Participants	Eligible upon the death of a former employee while eligible for a vested benefit. The surviving spouse will receive 50% of the employee's vested benefit calculated as if the 50% joint and survivor form was elected, payable the later of the employee's date of death or normal retirement date.
Retirement Income Account (IRA)	
Salaried Participants	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Denison Hydraulics Inc. Hourly Pension for Former Delaware and Marysville Employees (Sub-Plan 157)

Effective Date	January 1, 1987 as the Hagglunds Denison Hourly Pension Plan, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Participation	All inactive and retired participants of the Hagglunds Denison Hourly Pension Plan as of May 31, 1993 became participants of the Denison Hydraulics, Inc. Hourly Pension Plan for Former Delaware and Marysville Employees. Future eligibility to participate under the plan was frozen effective June 30, 1993.
Vesting Service	One year of vesting service is credited for each twelve-consecutive month period during which the participant completes at least 1,000 hours of service.
Benefit Service	One year of benefit service is credited for each twelve-consecutive month period beginning on the date the employee first performs an hour of service. Each fraction of a calendar month period greater than 14 days shall equal one-twelfth of a year of benefit service. Benefit Service accrual under the plan was frozen effective June 30, 1993.
Normal Retirement	Eligibility is attainment of age 65.
Marysville	The monthly benefit is the applicable benefit unit below multiplied by the years of credited service.

Date of Retirement	Benefit Unit
01-01-87 to 06-27-87	$13.00
06-28-87 to 06-25-88	$13.50
06-26-88 to 06-24-89	$14.00
06-25-89 to 06-30-90	$14.50
07-01-90 to 06-30-91	$15.00
07-01-91 to 06-30-92	$16.00
07-01-92 and After	$17.00

Delaware

The monthly benefit is the applicable benefit unit below multiplied by the years of credited service.

Date of Retirement	Benefit Unit
01-01-87 to 04-26-87	$14.50
04-27-87 to 04-24-89	$15.50
04-25-89 and After	$16.00

For both Marysville and Delaware participants, this amount will be reduced by the benefit earned as of December 12, 1986 under the Noncontributory Retirement and Disability Pension Plan of Abex Corporation.

Early Retirement

Eligibility is attainment of age 60 and completion of 10 years of service.

The early retirement benefit is equal to the normal retirement benefit reduced by 5/9 of 1% for each month the benefit commences before the participant's normal retirement date. Unreduced benefit available if certain age/service requirements are met.

Disability Retirement

Eligibility is 10 years of service for a Marysville participant (15 years of service for a Delaware participant) who is deemed to be permanently disabled.

The disability retirement benefit is a monthly benefit payable until normal retirement equal to the normal retirement benefit (calculated using benefit service at disability) unreduced by the benefit due from Abex (increased by 50% if the individual is not receiving Social Security Disability) but not less than $100.00. At normal retirement the normal retirement benefit is payable.

Termination

Eligible after five or more years of vesting service.

The deferred vested benefit is equal to the normal retirement benefit payable at age 65, or payable as early as age 60 with 10 years of service, reduced as for early retirement.

Preretirement Spouse's Benefit	The eligible surviving spouse of a vested participant will receive a pension payable at the participant's earliest retirement date or immediately if the participant was eligible for retirement on the date of death. The pension will equal one half of the pension due the participant had he or she terminated on the date before death and elected a 50% joint and survivor annuity at the first eligible age.
Postretirement Death Benefit	A death benefit of $1,550 is payable to a named beneficiary of a participant who is retired (not a vested separation) if such participant was insured for life insurance under the company's group insurance plan immediately prior to retirement.
Normal Forms of Payment	An employee will normally receive his benefit on a straight life basis or, if married, a reduced monthly benefits payable for life with 50% of the reduced benefit continuing to the participant's spouse upon death. Other optional forms available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Lump sum payout

Changes in Plan Provisions Since the Prior Year

None.

Former Denison Hydraulics Inc. Salaried Pension Plan (Sub-Plan 158)

Effective Date	January 1, 1987 as the Hagglunds Denison Salaried Pension Plan, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	Each non-union salaried employee as of the effective date became a participant as of that date. Any other non-union salaried employee became a participant on his employment date or transfer date. All participants of the Hagglunds Denison Hourly Pension Plan as of June 15, 1993 became participants of the Denison Hydraulics, Inc. Salaried Pension Plan on that date. Future eligibility to participate under the plan was frozen effective December 31, 1994.
Vesting Service	A year of vesting service is granted for each year of employment commencing on the date the employee first performs an hour of service and ending on his or her date of retirement or termination; partial credit will be granted on the basis of completed days worked.
Benefit Service	A year of benefit service is granted for each year of employment commencing on the date the employee first performs an hour of service and ending on his or her date of retirement or termination; partial credit will be granted on the basis of completed days worked. Benefit service accrual under the plan was frozen effective December 31, 1994.
Final Average Earnings	The average of the highest 36 consecutive months of earnings prior to December 31, 1994, or, if earlier, on the date of termination or retirement. Earnings are limited to the Section 401(a)(l7) limit.
Normal Retirement	Eligibility is attainment of age 65. The benefit payable for life of the participant will be equal to (A) + (B) + (C) but not less than (D): (A) 0.8% of average annual compensation times years of credited service not in excess of 35 years. (B) 0.4% of average annual compensation in excess of covered compensation times years of credited service to a maximum of 35 years.

(C) 1.5% of average annual compensation times years of credited service in excess of 35 years.

Participants who are due benefits from a former "Recognized Employer" (including Abex Corporation, ASEA Hagglunds, Inc. or ABB Power Generation, Inc.) will have the above benefit offset by benefits accrued under plans sponsored by the former "Recognized Employers."

(D) The participant's accrued benefit under the prior plan in effect December 31, 1989.

Regular Early Retirement

Eligible at age 60 with a minimum of 10 years of service or if hired prior to age 35, and combined age and service total at least 75.

The early retirement benefit is the accrued portion of the normal retirement benefit reduced as follows.

(A) For participants who were hired prior to age 35, have completed more than 30 years of service and retire with combined age and service totaling at least 75, the monthly pension is reduced by ½ of 1% for each month the benefit commencement date precedes age 60.

(B) For participants who were hired prior to age 35, have completed less than 30 years of service and retire with combined age and service totaling at least 75, the Monthly pension is reduced by ½ of 1% for each month the benefit commencement date precedes the date the participant would have attained age 60 or 30 years of service, whichever is later.

(C) For all other participants, the monthly pension is reduced by ½ of 1% for each month the benefit commencement date precedes normal retirement.

Participants entitled to benefits payable under Items (A) and (B) above, are also entitled to an annual supplement equal to $33.00 times years of credited service, appropriately reduced, as noted above, payable until age 65. In no event should combined annual benefits (regular plus supplemental) payable to such participants prior to age 65 be less than $189.00 times years of credited service.

Termination	Eligible after three or more years of vesting service (five years prior to July 1, 2008). Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse's Benefit	The eligible surviving spouse of a vested participant will receive benefits payable at the participant's earliest retirement date or immediately if the participant was eligible for retirement on the date of death. The pension will equal one-half of the pension due the participant had he or she terminated on the day before death and elected a 50% joint and survivorship at the first eligible age.
Disability Benefit	A participant who is disabled prior to normal retirement or early retirement shall receive a benefit at normal retirement or early retirement assuming the participant continued to earn credited service and compensation at the rate of compensation in effect on the date of disability through that period, However, service and compensation earned after December 31, 1994 will not be considered.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis, unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Level income option

Changes in Plan Provisions Since the Prior Year

None.

Former Pension Plan for Hourly Paid Employees of Sporlan Valve Company and Jefferson Products Company (Sub-Plan 161)

Effective Date	January 1, 1985, as restated July 1, 2001 and amended through the valuation date, most recently Amendment 16. This plan was merged with the Parker Hannifin Corporation Pension Plan, effective December 31, 2004.
Eligibility	Hourly paid employees in covered service working at least 667 hours per year participate after one year of employment; provided however there shall be no new participants hired on or after January 1, 2002.
Covered Service	The period during which a person is an hourly paid employee excluding anyone covered by a collective bargaining agreement under which retirement benefits were the subject of good faith bargaining and anyone working for the division of Jefferson Products Company doing business as Cline or the business operation known as I Line Manufacturing.
Benefit Service	(A) Employment periods prior to January 1, 1959. For each calendar year prior to January 1, 1959: (i) One year, if paid for 2,000 or more hours of covered service; or (ii) One-twelfth year for each 167 paid hours of covered service. Provided that total benefit service for all periods prior to January 1, 1959 shall not exceed 20 years. (B) Employment periods after January 1, 1959. For each calendar year after December 31, 1958: (i) One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.

	(ii) ¾ year for 1,000 to 1,333 hours of service; or (iii) ½ year for 667 to 999 hours of service. (iv) One-twelfth year for each 167 hours of service for total hours of service from 167 to 666. Effective January 1, 2002, an employee who returns to service on or after January 1, 2002, following a layoff of more than 18 months or termination of service for 14 or more calendar days shall not earn any fractional or full years of benefit service for periods beginning on or after such return to service.
Vesting Service	Continuous employment prior to January 1, 1976 plus each calendar year after December 31, 1975 in which a person has 1,000 hours of service or more.
Normal Retirement	(A) Eligible at age 65 with five years of benefit service (but not later than the later of age 65 or the fifth anniversary of plan participation). (B) For participants leaving covered employment after December 31, 1992: $6.00 times years of benefit service from January 1, 1939 to December 31, 1948; plus $13.00 times years of benefit service from January 1, 1949 to December 31, 1988; plus $17.00 times years of benefit service from January 1, 1989 to December 31, 1992; plus $19.00 times years of benefit service after December 31, 1992. Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.
Early Retirement	(A) Eligible at age 60 with 10 years of benefit service.

(B) Accrued benefit reduced by 3/9% for each month that early retirement precedes normal retirement date.

For participants who left covered employment before January 1, 1992, the reduction is 5/9% for each month that early retirement precedes normal retirement date.

Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.

Sporlan Plan participants actively employed and under age 50 on the December 31, 2004 plan merger date are eligible for the temporary pension supplement (TPS) upon retirement after attaining age 60 with at least 10 years of vesting service (but not age 55 with 20 years of vesting service), provided the participants are not eligible for Medicare. The main provisions of the TPS are summarized in the Appendix.

Late Retirement

(A) Eligible after normal retirement.

(B) Greater of accrued benefit at late retirement or actuarial equivalent of normal retirement benefit at late retirement.

Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.

Disability Retirement

(A) Eligible after 15 years of benefit service and termination due to covered total and permanent disability lasting at least six months.

(B) Accrued benefit.

Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.

Termination

Eligible after three years of vesting service (five years prior to July 1, 2008).

Full accrued benefit payable beginning at normal retirement or, with 10 years of benefit service, reduced early retirement benefit beginning from age 60 to 65.

Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.

Form of Benefit	Five years certain and life normal form. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Lump sum payout
Preretirement Death Benefit	Eligible if married and age 60 with 10 years of benefit service, married with five years of vesting service or unmarried and active with five years of vesting service. (A) If participant had been married and eligible for early retirement monthly benefit to spouse for life. For deaths occurring before January 1, 1990, accrued benefit reduced for 50% joint and survivor payment form. For deaths occurring on or after January 1, 1990, accrued benefit of participant. (B) If participant had been married and vested but not eligible for early retirement monthly benefit to spouse for life commencing at first date participant would have been able to commence vested deferred termination benefit. For deaths occurring before January 1, 1990, one half of accrued benefit reduced for 50% joint and survivor payment form. For deaths occurring on or after January 1, 1990, accrued benefit of participant. (C) If participant had been active, unmarried and vested monthly for 60 months. For deaths occurring after December 31, 1991, accrued benefit discounted by 6% per annum for the period between actual commencement and the month following the month containing the employee’s sixty-fifth birthday.

Changes in Plan Provisions Since the Prior Year

None.

Former Legris Inc. Retirement Plan (Sub-Plan 184)

Effective Date	The Legris, Inc. Retirement Plan was merged into the plan, effective July 1, 2010.
Eligibility	Age 20½ and one year of work with at least 1,000 hours. No employee hired on or after March 1, 2009 will become an active participant and no inactive participant of former participant will again become an active participant.
Vesting and Benefit Service	A year of vesting and benefit service is granted for each year of employment commencing on (1) the later of date the employee first performs an hour of service or reemployment or (2) January 1, 2010 and ending on his or her date of retirement or termination; partial credit will be granted on the basis of completed days worked.
Final Average Earnings	The average of the highest five years of compensation. Earnings are limited to the Section 401(a)(17) limit.
Normal Retirement	Eligibility is the later of attainment of age 65 or five years of vesting service. 48% of final average earnings × accrued benefit adjustment. The accrued benefit adjustment is the quotient of benefit service divided by the greater of 25 years or benefit service projected to the normal retirement date.
Early Retirement	Eligible at age 55 and six years of vesting service. The early retirement benefit is the accrued portion of the normal retirement benefit reduced 6⅔% for each year up to five and 3⅓% for each year between five and 10 that the early retirement date precedes the normal retirement date.
Termination	Eligible after two or more years of vesting service. The accrued benefit is 20% vested after two years of vesting service, increasing 20% per year to 100% after six years of vesting service. Deferred vested benefit is equal to the vested portion of the accrued benefit at normal retirement age.

Preretirement Spouse's Benefit	The eligible surviving spouse of a vested participant will receive benefits payable at the participant's earliest retirement age or immediately if the participant was eligible for retirement on the date of death. The pension will equal one half of the pension due the participant had he or she terminated on the day before death and elected a 50% joint and survivorship at the first eligible age.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis, unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 66⅔%, 75%, or 100% joint and survivor ▪ 5, 10, 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Level income option Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the mortality table set forth in Revenue Ruling 95-6 and a 7.5% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Snap-Tite, Inc. Pension Plan (Sub-Plan 188)

Effective Date	June 1, 1963; as and last amended and restated effective June 1, 2010. The plan was merged into the Consolidated Pension Plan as of December 31, 2012.
Eligibility	All non-union employees are eligible to participate on the June 1 or December 1 following completion of one (1) year of service. Plan was frozen to all new participants effective May 31, 2006. An employee who was employed by Autoclave Engineers, Inc. shall commence earning credited service effective January 1, 1996. An employee who was employed by National Fire Hose, Inc. shall commence earning credited service effective February 1, 1998.
Service Eligibility	Completion of 1,000 hours of service during the 12-month period following employee's first hour of service, or any plan year.
Credited Service	Years and months of employment completed prior to June 1, 1975. A year of service shall be credited for each plan year after June 1, 1975 in which the employee works 1,000 hours of service. If the member works less than 1,000 hours in the last plan year, he will receive credit for any month that he works 83 hours of service. Service prior to June 1, 1978 is excluded for benefit accrual purposes for Airmatic-Allied employees as of that date. Credited service was frozen as of May 31, 2006.
Compensation	Gross calendar year compensation.
Average Annual Compensation	Average of the highest five consecutive calendar years' compensation in the last 10 calendar years preceding date of determination.

Retirement Dates	
Early	Age 60 with five years of service.
Normal	Age 65 with five years of service.
Late	Any time after normal retirement date.
Disability	Receiving Social Security disability benefits.
Retirement and Termination Benefits	
Accrued Benefit	For employees who were under the Office and Salaried Plan: Equal to the greater of (a) or (b): (a) The accrued benefit to June 1, 1975 under the Group Annuity contract plus 1% of final average annual compensation times the number of years of credited service since June 1, 1975 up to 25 years. (b) The projected benefit under the prior Group Annuity contract (Table I of the plan document) times the ratio of service to date over potential service up to normal retirement date. For employees who were under the Executive Plan and all other employees joining the plan on or after June 1, 1978: Equal to 1% of average annual compensation times the number of years of credited service up to a maximum of 25 years.
Early Retirement	Accrued benefit reduced by 3% for each year the benefit commencement date precedes normal retirement date.
Normal Retirement	Accrued benefit.
Late Retirement	Actuarial equivalent of benefit that would have been payable at normal retirement date.
Disability	Accrued benefit reduced by 3% for each of the first 10 years and actuarially for years beyond 10 that benefit commencement date precedes normal retirement date.
Vested Termination	Accrued benefit at date of termination times the percentage vested.
Vesting Schedule	A participant is 100% vested in his accrued benefit upon completion of five years of credited service.

Preretirement Death Benefits	In the case of any participant or terminated participant who dies prior to the commencement of benefits under this plan when he is vested in any portion of his accrued benefit, a death benefit shall be payable to his surviving spouse in accordance with paragraph (a) or (b) below as applicable. (a) If a participant dies after the earliest retirement age, the participant's surviving spouse (if any) will receive the same benefit that would have been payable if the participant had retired with an immediate qualified joint and survivor annuity on the day before the participant's date of death. The spouse may elect to start benefits later than the date on which payments would have been made to the surviving spouse under a qualified joint and survivor annuity. If payments are delayed, they shall be adjusted using the early retirement factors. (b) If a participant dies on or before the earliest retirement age, the participant's surviving spouse (if any) will receive the same benefit that would be payable if the participant had: (i) Separated from service on the date of death; (ii) Survived to the earliest retirement age; (iii) Retired with an immediate qualified joint and survivor annuity at the earliest retirement age; and (iv) Died on the day after the earliest retirement age. If a participant's death occurs after his normal retirement date and before he actually retires, payments shall be made to his spouse as if the participant had retired on his date of death and selected the 100% contingent annuitant option to his spouse.
Employee Contributions	None required.

Payment Forms

Normal	Life only annuity, automatically payable as a 50% joint and survivor annuity to married participants.
Optional	Optional forms are: ▪ Life annuity with five-years certain and guaranteed. ▪ Life annuity with 10-years certain and guaranteed. ▪ 75% joint and survivor spousal annuity. ▪ 100% joint and survivor spousal annuity.

Plan Changes Since the Prior Year

None.

Former QD&V Union City Plan Production Employees' Pension Plan (Sub-Plan 189)

Effective Date	June 1, 1978; as last amended and restated effective June 1, 2010. The plan was merged into the Consolidated Pension Plan as of December 31, 2012.
Eligibility	All employees who are employed as a production employee at the QD&V Union City Plant are eligible to participate 30 days after their date of employment. Plan was frozen to new participants as of May 31, 2006.
Retirement Dates	
Early	Age 60 and 10 years of service.
Normal	Age 65 and five years of participation.
Late	Any time after normal retirement date.
Disability	Ten years of credited service and is eligible and receiving Social Security disability benefits.
Retirement and Termination Benefits	
Accrued Benefit	A monthly benefit equal to the product of the benefit multiplier in effect as of retirement, termination, disability, or death and the participant's years and months of credited service. Credited service is years and months of employment completed from date of hire to termination of employment. Plan was frozen for all future benefit accruals effective May 31, 2006. The negotiated benefit multipliers are as follows:

Effective Date	Benefit Multiplier
Prior to November 18, 1996	$18.00
November 18, 1996 through May 31, 1997	$18.50
June 1, 1997 through May 31, 1998	$19.00
June 1, 1998 through September 30, 1999	$19.50
October 1, 1999 through May 31, 2000	$20.00
June 1, 2000 and After	$20.50

Early Retirement	Accrued benefit reduced by one-fifteenth for each year the benefit commencement date precedes normal retirement date.
Normal Retirement	Accrued benefit.
Late Retirement	Accrued benefit determined as of actual retirement date.

Disability	Accrued benefit reduced by one-fifteenth for each of the first five years and actuarially for years beyond five that benefit commencement date precedes normal retirement date.
Minimum Benefit	In all instances, if the actuarial value of the benefit is less than the account balance from the prior plan, the account balance will be the benefit.
Vested Termination	If a member has completed less than five years of credited service, 100% of his account balance will be payable. If a member has completed at least five years of credited service, he will be entitled to the greater of his monthly accrued benefit or the monthly benefit provided by his account balance.
Preretirement Death Benefits	If death occurs prior to completing five years of service or while the member is not married, no benefits shall be payable from this plan. Upon the death of a married member who qualifies for early retirement, the member’s spouse shall receive a monthly benefit for life based on the benefit payable under a joint and 50% survivor annuity which the member’s spouse would receive assuming the member retired on the day before his death. The spouse of any married vested participant who was not eligible for early retirement is also eligible for a benefit if the participant should die prior to his normal retirement date. The monthly pension payable at the participant’s earliest retirement date will be an amount equal to the benefit calculated as though the participant survived to his earliest retirement age, selected a 50% qualified joint and survivor annuity, and died on the day after the day of attaining the earliest retirement age. This amount will not be less than the monthly benefit that his account balance would purchase for the member’s spouse under a life only annuity.
Employee Contributions	None required.

Payment Forms

Normal	Life only annuity, automatically payable as a 50% joint and survivor annuity to married participants.
Optional	Optional forms are: ▪ Life annuity with five years certain and guaranteed. ▪ Life annuity with 10 years certain and guaranteed. ▪ 75% joint and survivor spousal annuity. ▪ 100% joint and survivor spousal annuity.

Plan Changes Since the Prior Year

None.

Former PONN Manufacturing Plant Production Employees' Pension Plan (Sub-plan 190)

Effective Date	The plan became effective April 1, 1996 and has been most recently amended and restated effective June 1, 2010. The plan was merged into the Consolidated Pension Plan as of December 31, 2012.
Eligibility	All employees employed as a production employee located at the PONN manufacturing plant are eligible to participate 30 days after their date of employment. The plan was frozen to new participants as of May 31, 2006.
Retirement Dates	
Early	Age 60 and 10 years of service. The benefit earned under the Snap-Tite, Inc. Pension Plan is payable at age 60 and five years of service.
Normal	Age 65 and five years of participation.
Late	Any time after normal retirement date.
Disability	Ten years of credited service and is eligible and receiving Social Security disability benefits.
Retirement and Termination Benefits	Upon retirement, termination, disability, or death, a participant shall be entitled to receive the sum of their benefit earned under the provisions of the Snap-Tite, Inc. Pension Plan as of April 1, 1996 which was transferred to this plan, plus the product of the participant's years and months of credited service since April 1, 1996 and the benefit multiplier in effect as of retirement, termination, disability, or death. Credited service is years and months of employment completed from date of hire (but never prior to April 1, 1996) to termination of employment. The plan was frozen for all future benefit accruals effective May 31, 2006. The negotiated benefit multipliers are as follows:

Effective Date	Benefit Multiplier
April 1, 1996 through March 31, 1997	$18.00
April 1, 1997 through March 31, 1998	$18.50
April 1, 1998 through March 31, 1999	$19.00
April 1, 1999 through October 7, 2000	$19.50
October 8, 2000 and After	$20.50

Early Retirement	Accrued benefit reduced by one-fifteenth for each year the benefit commencement date precedes normal retirement date. The accrued benefit earned under the Snap-Tite, Inc. Pension Plan which has been transferred to this plan shall be subject to a 3% per year early retirement reduction factor.
Normal Retirement	Accrued benefit.
Late Retirement	Accrued benefit determined as of actual retirement date.
Disability	Accrued benefit reduced by one-fifteenth for each of the first five years and actuarially for years beyond five that benefit commencement date precedes normal retirement date. The accrued benefit earned under the Snap-Tite, Inc. Pension Plan which has been transferred to this plan shall be subject to a 3% per year reduction factor for the first five years and actuarially for years beyond five that benefit commencement date precedes normal retirement date.
Vested Termination	If a member has completed less than five years of credited service, (including service prior to April 1, 1996) no benefits shall be payable from the plan. If a member has completed at least five years of credited service, he will be entitled to his monthly accrued benefit.
Preretirement Death Benefits	If death occurs prior to completing five years of service or while the member is not married, no benefits shall be payable from this plan. Upon the death of a married member who qualified for early retirement, the member's spouse shall receive a monthly benefit for life based on the benefit payable under a joint and 50% survivor annuity which the member's spouse would receive assuming the member retired on the day before his death. The spouse of any married vested participant who is not eligible for early retirement is also eligible for a benefit if the participant should die prior to his normal retirement date. The monthly pension payable at the participant's earliest retirement date will be an amount equal to the benefit calculated as though the participant survived to

	his earliest retirement age, selected a 50% qualified joint and survivor annuity, and died on the day after the day of attaining the earliest retirement age.
Employee Contributions	None required.
Payment Forms	
Normal	Life only annuity, automatically payable as a 50% joint and survivor annuity to married participants.
Optional	Optional forms are: ▪ Life annuity with five years certain and guaranteed. ▪ Life annuity with 10 years certain and guaranteed. ▪ 75% joint and survivor spousal annuity. ▪ 100% joint and survivor spousal annuity.

Plan Changes Since the Prior Year

None.

Appendix—RMA and TPS Benefits

RMA Benefits (Active Participants)

A retiree medical account (RMA) opening balance was established on the opening balance date for all active participating employees as of the effective date at RMA eligible locations. This opening balance was calculated as follows:

- An annual RMA credit is assumed to be granted to each RMA eligible participant on each December 31 from the RMA accrual date to the opening balance date.
- Each annual RMA credit is accumulated using a 6% annual interest rate from the December 31 date. It is credited to the opening balance date.

After the establishment of the opening balance, interest will be credited to the RMA at the end of each month based on a 6% annual interest rate. These monthly interest credits will continue until the date of benefit commencement.

Each eligible participant will also receive an annual RMA credit on each December 31 as long as the participant remains an employee. The annual RMA credit, which is based on the age of the participant at the RMA accrual date, will be the same annual RMA credit that was used to determine the opening balance. The RMA accrual date is generally the participant's original date of hire or the credited service date for some acquisitions.

The table below shows the annual RMA credit based on several sample participant ages on their accrual dates:

Age on RMA Accrual Date	Annual RMA Credit
25	$185
30	$230
35	$295
40	$380
45	$510
50	$500
55	$850
60	$850

Upon benefit commencement, the accumulated RMA balance is converted to a monthly annuity as follows:

- For unmarried participants, the benefit will be paid as a life annuity.
- For married participants, the benefit will be paid as a 50% qualified joint and survivor annuity (without any actuarial reduction).

The basis upon which the RMA balance is converted to a monthly annuity is the 1994 Group Annuity Reserving Table, a 7% annual rate of interest, plus a 10% increase in the resulting annuity conversion factor. The conversion factors are based on the participant's age at benefit commencement.

A preretirement survivor benefit is available if the participant is not eligible for early retirement at the time of death, but has completed five or more years of vesting service. This RMA preretirement survivor benefit is payable as early as the date the participant would have attained age 55 in an amount equal to 50% of the benefit that would have been payable had the participant survived until the earliest possible retirement age under the plan. If the participant is eligible for early retirement at the time of death, the RMA preretirement survivor benefit is payable immediately and is equal to 50% of the benefit that would have been payable had the participant retired the day before death.

RMA Benefits (Retired Participants on June 1, 2001)

The RMA benefit for this group is an additional monthly pension paid effective June 1, 2001. Retirees in payment status (or deferred retirees) on June 1, 2001 who were eligible for retiree medical now receive an RMA benefit based on their years of service at termination. The amount of the monthly RMA benefit is determined by the table below:

Years of Service	RMA Benefit
10–19	$120
20–29	$160
30 and Over	$200

Surviving spouses in payment status on June 1, 2001 receive one half of the RMA that the participant would have received based the participant's service.

TPS Benefits (Active Participants)

A participant may also be eligible to receive a temporary pension supplement (TPS) at benefit commencement if retiring from active service prior to normal retirement and meeting certain eligibility conditions. Participants retiring under normal, early or disability retirement, will receive the TPS payable until age 65 if the participant retires at age 60 with 10 or more years of service, or at age 55 with 20 or more years of service. Participants retiring under normal, early or disability retirement who were at least age 50 with five or more years of service on July 1, 2001 will be eligible for the supplement if the participant retires on or after age 55 with 10 or more years of service. For this latter group of participants, the supplement will continue to be paid through the later of the month prior to the participant's sixty-fifth birthday or the spouse's sixty-fifth birthday. The TPS is payable as a life annuity for participants who are not married at the time of commencement and as a 50% qualified joint and survivor annuity (without any actuarial reduction) for participants who are married at the time of commencement.

The amount of the monthly TPS is determined by the table below:

Years of Service	Monthly TPS to Age 65
10–14	$180
15–19	$230
20–24	$300
25–29	$370
30–34	$450
35–39	$500
40 and Over	$550

A preretirement survivor benefit is available if the participant is eligible for the TPS at the time of death; the surviving spouse will receive a benefit equal to 50% of the TPS amount that the participant would have been entitled to, had the participant retired the day before death. This preretirement survivor TPS benefit is payable until the month prior to the former participant's sixty-fifth birthday. If the employee was age 50 or older with five or more years of service on July 1, 2001 and died after attaining age 55 with at least 10 years of service, the preretirement survivor TPS benefit payable to the surviving spouse continues until the later of the month prior to the participant's sixty-fifth birthday or the surviving spouse's sixty-fifth birthday.

TPS Benefits (Retired Participants on June 1, 2001

Retirees who were under age 65 or retirees who have spouses who were under age 65 as of June 1, 2001 receive the TPS to the later of the month before the retiree or spouse turns age 65. The amount of the TPS is determined by the table below:

Years of Service	TPS Benefit
10–19	$210
20–29	$330
30 and Over	$450

Retirees at the Stratoflex locations (HRIS codes 27400, 27800, 28400 and now receive a TPS benefit, which is payable only until the later of the month before the retiree or spouse turns age 65. The amount of the TPS is based on the table below:

Years of Service	Stratoflex TPS Benefit
10–19	$270
20–29	$410
30 and Over	$550

	If a retiree in pay status as of June 1, 2001 subsequently dies, the surviving spouse will continue to receive one half of the RMA plus one half of the TPS, if applicable. Surviving spouses in pay status on June 1, 2001 receive one half of the TPS that the participant would have received based on his or her age and service.
Millennium Increase	The "Millennium Increase" is a one-time pension (Retired Participants on June 1, 2001) increase for all normal, early and disabled retirees, plus surviving spouses, who had attained age 65 as of June 1, 2001 and in who were payment status on that date. The pension increase was 2% for each year the participant was over age 65 (or retirement date, if later), with a maximum increase of 10%. The minimum benefit increase was $5.00 per month for each year the participant was over age 65 (or retirement date, if later), or at least $25.00 per month.

Plan Changes Since the Prior Year

The funding valuations reflects the following plan changes.

- Effective June 1, 2017, the plan year will be from June 1 to May 31.
- Parker-Hannifin Consolidated Pension Plan (EIN: 34-0451060; PN: 001) ("Parker Plan") was merged into the PECO Plan effective as of the close of June 30, 2017.
- CLARCOR Inc. Pension Plan (EIN: 36-0922490; PN: 003) ("CLARCOR Plan") was merged into the PECO Plan effective as of the close of November 30, 2017.
- Prior to merging, the CLARCOR Plan was amended to update the definition of actuarial equivalence effective November 30, 2017.
- Following the mergers, the Retirement Plan for Employees of Perry Equipment Corporation ("PECO Plan") was renamed Parker-Hannifin Consolidated Pension Plan – A.
- Many locations had an increase in the multiplier used in the benefit formula and/or an increase in the maximum years of participation. See the Plan Provisions section for details.
  - For the funding valuation, any multiplier changes adopted on or before September 1, 2017 were reflected in the valuation as allowed through an optional election under the Pension Protection Act of 2006. The multiplier becoming effective during the current plan year was used in the benefit formula and was considered effective as of the beginning of the plan year, in accordance with the Pension Protection Act of 2006.
- A change in the mortality for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Other Information to Fully and Fairly Disclose the Actuarial Position of the Plan

Due to software limitations with the electronic filing process, information filed electronically cannot be controlled by the Enrolled Actuary. The values on the signed Schedule SB will govern to the extent there are any differences in the entries filed electronically and the actual data contained on the signed Schedule SB.

The Enrolled Actuary changed from Chris Noble to Gregory H. Reynolds due to a change in actuarial firms. Additionally, Aon was selected to be the actuarial firm beginning with the 2017 plan year funding valuation.

Plan Mergers

The following mergers occurred during the 2017 plan year:

- Parker-Hannifin Consolidated Pension Plan (EIN: 34-0451060; PN: 001) ("Parker Plan") was merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of June 30, 2017.
- CLARCOR Inc. Pension Plan (EIN: 36-0922490; PN: 003) ("CLARCOR Plan") was merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of November 30, 2017.

Following the mergers, the Retirement Plan for Employees of Perry Equipment Corporation ("PECO Plan") was renamed Parker-Hannifin Consolidated Pension Plan – A.

Following the required procedures under Revenue Procedure 2017-57, approval was requested for a funding method change for the 2017 plan year due to the plan mergers. The IRS approved the method changes on May 29, 2019. Details of the funding method changes can be found in the Line 25 attachment.

The following line items have been adjusted on the 2017 Schedule SB to reflect the mergers:

- Line 6, Target normal cost;
- Lines 7 through 13, Part II Beginning of Year Carryover and Prefunding Balances;
- Line 22; Weighted average retirement age;
- Line 31 (a), Target normal cost;
- Line 31 (b); Excess assets;
- Line 32 (a), Net shortfall amortization installment; and
- Line 34, Total funding requirement before reflecting carryover/prefunding balances.
- Line 35; Balances elected for use to offset funding requirement

All other line items reflect the Plan prior to the merger.

The development of Lines 7 through 13 and Line 22 can be found in other Attachments.

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Lines 6, 31 (a), 31 (b), 32 (a), 34, and 35 were developed as follows:

	PECO Plan (full year)	Parker Plan (from 7/1/17 to 5/31/18)	CLARCOR Plan (from 12/1/17 to 5/31/18)	Total Shown on 2017 SB
Target Normal Cost, Line 6 and Line 31 (a)	74,736	38,482,549	593,001	39,150,286
Excess Assets (not greater than Target Normal Cost), Line 31 (b)	74,736	0	593,001	667,737
Outstanding Balance of Shortfall Amortizations, Line 32 (a)	0	145,521,757	0	145,521,757
Shortfall Amortization Installment, Line 32 (a)	0	22,809,808	0	22,809,808
Total Funding Requirement, Line 34	0	61,292,357	0	61,292,357
Balances Elected for use to offset funding requirement, Line 35	0	67,079,074	0	67,079,074

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 24—Change in Actuarial Assumptions

The funding valuation reflects the following non-prescribed assumption changes:

- A change in the salary scale for the Legacy Consolidated Plan.
- A change in the unlimited expected return on assets to 7.50% for the 2017 plan year.

The changes were made to better reflect anticipated plan experience. The funding assumption changes did not reduce the funding shortfall, so approval of the Commissioner is not required.

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 25—Change in Method

There was a change in the enrolled actuary and actuarial firms. As the results of the prior actuary were matched within the acceptable range, automatic approval is granted for this change under Announcement 2015-3.

There was a change in valuation date to June 1 of each year. The change in valuation date has automatic approval since the change in valuation date is required as a result of a change in plan year.

The funding valuation reflects the following method changes that were approved by the IRS on May 29, 2019:

Following the mergers, the funding methods for the Parker-Hannifin Consolidated Pension Plan - A are the same methods of the PECO Plan prior to the mergers and documented as follows:

- Valuation Date: June 1.
- Interest Rate Assumption: The three segment interest rates using a four-month lookback (February since 6/1 valuation date).
- Asset Method: Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value is calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value.
  - As of June 1, 2018 the asset valuation method will be to determine the actuarial value of assets for the merged plan by combining the historical asset values, cash flows, and expected earnings for each plan.
  - For any determination date prior to the merger dates, the information will be separately determined for each of the legacy plans and then totaled.
  - The historical expected earnings for each plan will be based upon the individual assumed earnings rate that applied for that plan (limited to the 3rd segment rate for the plan year containing that period).
  - Receivable contributions for each plan will be discounted based upon the effective interest rate for that plan.
- Funding Standard Carryover Balance and Prefunding Balance: After the mergers, the surviving Plan will maintain all balances from the disappearing plans. None of the plans have a funding standard carryover balance.
- The Prefunding Balance will be brought forward with the rate of return on assets for the merged plan from the last calculation date to June 1, 2018 and then combined.
- Minimum Required Contribution: The minimum contribution will be the minimum contribution for the surviving plan plus a minimum required contribution for the plans that merged in based on an actuarial valuation from the merger date to May 31, 2019.
- Target Normal Cost: The target normal cost for the merged plans will be determined separately based on the actual expenses and expected benefit accruals reflecting the expected service accruals and benefit formulas in effect during the post-merger period, reduced by any excess assets.

Amortization Bases: After the mergers, the surviving Plan will maintain all shortfall bases from the disappearing plans. Prorated amounts will be reflected for the duration of the post-merger period.

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 26—Schedule of Active Participant Data as of July 1, 2017

Number of Participants

Attained Age	Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
<25										
25-29										
30-34										
35-39										
40-44		1	2							
45-49		1	4	3						
50-54		4	3	4	2					
55-59		2	4	1	4	4				
60-64	1	1	6	4	3	4				
65-69			1							
70+										

N-59

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 32—Schedule of Amortization Bases

Amortization Bases from Mergers

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment	Prorated Amortization Installment
Shortfall	4,821,386	July 1, 2015	5	1,044,438	957,402
Shortfall	33,548,617	July 1, 2016	6	6,243,397	5,723,114
Shortfall	107,151,754	July 1, 2017	7	17,595,592	16,129,292
Total	145,521,757				22,809,808

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 7—Explanation of Discrepancy in Prior Year Funding Standard Carryover Balance or Prefunding Balance

The Prefunding Balance on line 7(b) does not match line 13(b) from the prior year, because line 7(b) has been adjusted for plan mergers. The 346,345,826 shown on Line 7(b) equals the total of all merged plans, which is developed further below.

The following mergers occurred during the 2017 plan year:

- Parker-Hannifin Consolidated Pension Plan (EIN: 34-0451060; PN: 001) ("Parker Plan") was merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of June 30, 2017.
- CLARCOR Inc. Pension Plan (EIN: 36-0922490; PN: 003) ("CLARCOR Plan") was merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of November 30, 2017.

Following the mergers, the Retirement Plan for Employees of Perry Equipment Corporation ("PECO Plan") was renamed Parker-Hannifin Consolidated Pension Plan – A.

Below is the carryover balance and prefunding balance for each of the merged plans and total based on the methodology approved by the IRS on May 29, 2019. Details pertaining to the funding method change can be found in the Line 25 attachment.

Legacy Plan	EIN	PN	Line 13(a) from prior year	Line 13(b) from prior year	Line 35 from prior year
PECO Plan	26-1200603	001	0	0	0
Parker Plan	34-0451060	001	0	346,345,826	68,913,959
CLARCOR Plan	36-0922490	003	0	0	0
Total			0	346,345,826	68,913,959

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2017

This Form is Open to Public Inspection

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of $1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan
PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
PECOFACET (US), INC.

D Employer Identification Number (EIN)
26-1200603

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1 Enter the valuation date: Month 06 Day 01 Year 2017

2 Assets:

a Market value	**2a**	21,964,495
b Actuarial value	**2b**	21,973,613

3 Funding target/participant count breakdown

	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	185	10,293,589	10,293,589
b For terminated vested participants	145	5,081,758	5,081,758
c For active participants	59	2,561,342	2,561,342
d Total	389	17,936,689	17,936,689

4 If the plan is in at-risk status, check the box and complete lines (a) and (b) [ ]

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	
5 Effective interest rate	**5**	5.84%
6 Target normal cost	**6**	39,150,286

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE GREGORY H. REYNOLDS GHR — 4/9/2020

Signature of actuary — Date

GREGORY H. REYNOLDS — 1706401

Type or print name of actuary — Most recent enrollment number

AON CONSULTING, INC. — 216-573-9700

Firm name — Telephone number (including area code)

5005 ROCKSIDE ROAD

INDEPENDENCE OH 44131

Address of the firm

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions [ ]

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	346,345,826
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	68,913,959
9	Amount remaining (line 7 minus line 8)	0	277,431,867
10	Interest on line 9 using prior year's actual return of 11.54%	0	32,015,637
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		0
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 6.03%		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance		0
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections		0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	309,447,504

Part III Funding Percentages

14	Funding target attainment percentage	14	122.50%
15	Adjusted funding target attainment percentage	15	122.50%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	121.40%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/25/2018	200,000,000	0			
			Totals ► 18(b)	200,000,000	18(c) 0

19	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
	a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
	b Contributions made to avoid restrictions adjusted to valuation date	19b	0
	c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	185,517,143

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
4.16 %	5.72 %	6.48%	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	62

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	**28**	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	**29**	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	**30**	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):

a Target normal cost (line 6)	**31a**	39,150,286
b Excess assets, if applicable, but not greater than line 31a	**31b**	667,737

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	145,521,757	22,809,808
b Waiver amortization installment	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	**33**	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	**34**	61,292,357

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	67,079,074	67,079,074

36 Additional cash requirement (line 34 minus line 35)	**36**	0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	185,517,143

38 Present value of excess contributions for current year (see instructions)

a Total (excess, if any, of line 37 over line 36)	**38a**	185,517,143
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	61,292,357
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	0
40 Unpaid minimum required contributions for all years	**40**	0

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:

a Schedule elected ☐ 2 plus 7 years ☐ 15 years

b Eligible plan year(s) for which the election in line 41a was made ☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

42 Amount of acceleration adjustment	**42**	
43 Excess installment acceleration amount to be carried over to future plan years	**43**	

SCHEDULE SB (Form 5500)	Single-Employer Defined Benefit Plan Actuarial Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ **File as an attachment to Form 5500 or 5500-SF.**	**2017** **This Form is Open to Public Inspection**

For calendar plan year 2017 or fiscal plan year beginning 06/01/2017 and ending 05/31/2018

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of $1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan	**B** Three-digit plan number (PN) ▶
PARKER-HANNIFIN CONSOLIDATED PENSION PLAN - A	001

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF	**D** Employer Identification Number (EIN)
PECOFACET (US), INC.	26-1200603

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

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b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	
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SIGN HERE GREGORY H. REYNOLDS

Signature of actuary — Date: 1706401

GREGORY H. REYNOLDS

Type or print name of actuary

AON CONSULTING, INC.

Firm name

Most recent enrollment number: 216-573-9700

Telephone number (including area code)

5005 ROCKSIDE ROAD

INDEPENDENCE OH 44131

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10	Interest on line 9 using prior year's actual return of 11.54%	0	32,015,637
11	Prior year's excess contributions to be added to prefunding balance:		
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	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 6.03%		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
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Part IV Contributions and Liquidity Shortfalls

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(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/25/2018	200,000,000	0			
			Totals ► 18(b)	200,000,000	18(c) 0

19	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
	a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
	b Contributions made to avoid restrictions adjusted to valuation date	19b	0
	c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	185,517,143

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a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
4.16 %	5.72 %	6.48%	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	62

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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31 Target normal cost and excess assets (see instructions):

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b Excess assets, if applicable, but not greater than line 31a	**31b**	667,737

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	145,521,757	22,809,808
b Waiver amortization installment	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	**33**	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	**34**	61,292,357

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	67,079,074	67,079,074

36 Additional cash requirement (line 34 minus line 35)	**36**	0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	185,517,143

38 Present value of excess contributions for current year (see instructions)

a Total (excess, if any, of line 37 over line 36)	**38a**	185,517,143
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	61,292,357
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	0
40 Unpaid minimum required contributions for all years	**40**	0

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:

a Schedule elected ☐ 2 plus 7 years ☐ 15 years

b Eligible plan year(s) for which the election in line 41a was made ☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

42 Amount of acceleration adjustment	**42**	
43 Excess installment acceleration amount to be carried over to future plan years	**43**	

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, Part V—Summary of Plan Provisions

Legacy PECO

Effective Date	May 17, 2002. Amended and restated effective December 1, 2011.
Eligibility for Participation	Age 21, completion of one year of service, and not a member of a collective bargaining unit. Effective July 15, 2000, the plan was closed to new entrants.
Plan Year	December 1 to November 30.
Benefit Accrual Status	Frozen.
Normal Retirement	
Eligibility	Age 65.
Benefit	A monthly amount equal to the adjusted frozen accrued benefit determined as of July 15, 2000 under the prior plan document.
Early Retirement	
Eligibility	Age 55 and five years of service.
Benefit	A monthly benefit equal to the normal retirement benefit reduced by 1/240 of 1% for each month the early retirement precedes the normal retirement.
Vested Termination	
Eligibility	Five years of vesting service.
Benefit	The accrued benefit at the date of termination. Reduced payments may begin any time after eligibility for early retirement based on the same reductions as early retirement from active status.
Disability	
Eligibility	As defined in the prior plan document.
Benefit	A single life annuity that is actuarially equivalent to the accrued benefit.

Surviving Spouse	
Eligibility	Five years of vesting service.
Benefit	A single life annuity that is actuarially equivalent to the accrued benefit. Payment can commence at the earliest date the participant would have been eligible to receive early retirement or a deferred vested benefit.
Normal Form of Annuity	
Without Spouse	Ten year certain and life annuity.
With Spouse	50% joint and survivor annuity expressed as the actuarial equivalent of the 10-year certain and life annuity.
Optional Forms of Annuity	Single life annuity 5-year certain and life annuity 10-year certain and life annuity 15-year certain and life annuity 50% joint and survivor annuity 75% joint and survivor annuity 100% joint and survivor annuity
Actuarial Equivalence	83 GAM Blended Mortality Table (50% male/50% female) and 7.5% interest rate.
Definitions	
Benefit Service	Accruals were frozen as of July 15, 2000.
Vesting Service	All participants credited with at least one hour of service on or after July 15, 2000 are 100% vested in their accrued benefit.

Legacy CLARCOR

Effective Date	December 1, 1997. Amended and restated effective January 1, 2011.
Eligibility for Participation	One year of vesting service and not a member of a collective bargaining unit. Participation was frozen to new entrants effective December 1, 2003.
Plan Year	December 1 to November 30.
Benefit Accrual Status	Partially frozen.
Normal Retirement	
Eligibility	Age 65.
Benefit	A monthly amount equal to the sum of (1), (2) and (3): (1) The prior plan accrued benefit as of November 30, 1989. (2) For each year of participation beginning December 1, 1989, 1.20% of considered compensation. (3) For each year of participation beginning December 1, 1989, 0.55% of considered compensation in excess of covered compensation. The years of participation are limited to 35 years minus the number of years taken into account to determine the November 30, 1989 accrued benefit. Participants who had not attained age 40 and did not have 10 years of service as of December 31, 2003, or made a one-time election, had their accruals frozen at that time.

Early Retirement

Eligibility

Age 60.

Benefit

A monthly benefit equal to the normal retirement benefit reduced by the following factors:

For benefits accrued after July 31, 1983:

Age	Factor
60	0.6638
61	0.7180
62	0.7779
63	0.8442
64	0.9179
65	1.0000

For benefits accrued prior to August 1, 1983:

Age	Female/Male
60	0.6867/0.6638
61	0.7380/0.7181
62	0.7944/0.7781
63	0.8564/0.8445
64	0.9247/0.9181
65	1.0000/1.0000

Vested Termination

Eligibility

Five years of vesting service.

Benefit

The accrued benefit at the date of termination. Reduced payments may begin any time after eligibility for early retirement based on the same reductions as early retirement from active status.

Disability

Eligibility

Totally and permanently disabled.

Benefit

The accrued benefit based at the date of disability. Reduced payments may begin any time after eligibility for early retirement based on the same reductions as early retirement from active status.

Surviving Spouse	
Eligibility	Five years of vesting service.
Benefit	A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 100% of the amount payable if the participant had retired early with a 100% joint and survivor benefit.
Normal Form of Annuity	
Without Spouse	Ten year certain and life annuity.
With Spouse	100% joint and survivor annuity expressed as the actuarial equivalent of the 10-year certain and life annuity.
Optional Forms of Annuity	Single life annuity 10-year certain and life annuity 20-year certain and life annuity 50% joint and survivor annuity 100% joint and survivor annuity 100% joint and survivor annuity with 10 years certain Life annuity with cash refund
Actuarial Equivalence	
Benefits Accrued After July 31, 1983	Unisex Pension 1984 Mortality Table and 4.5% interest.
Benefits Accrued Prior to August 1, 1983	Male 1951 GAM table projected to 1965 and the female 1951 GAM table projected to 1965 and 4.5% interest.
Effective November 30, 2017	Applicable mortality table and interest rate under Section 417(e)3 based on the fourth month preceding the beginning of the calendar year containing the Annuity Starting Date.
Definitions	
Benefit Service	Period from date of participation to date benefit accruals ceased or date of termination or retirement, measured in years and completed days.
Vesting Service	Period from date of hire to date of termination or retirement measured in years and completed days.
Considered Compensation	Total compensation for the plan year excluding reimbursements or other expense allowances, fringe benefits, moving expenses, deferred compensation and amounts realized from the exercise of stock options.

Covered Compensation	Average of taxable wage bases for 35 calendar years ending with year in which participant attains Social Security retirement age.

Appendix A—The Timms Spring Company

Effective Date	There are no active employees of The Timms Spring Company as of the January 1, 2011 restatement.

Appendix B—The Michigan Spring Company

Effective Date	There are no active employees of The Michigan Spring Company as of the January 1, 2011 restatement.

Appendix C—Purolator Products Group (Non-Union Employees)

Effective Date	Appendix effective September 11, 1999.
Eligibility for Participation	Purolator Products Air Filtration Company, Purolator Facet, Inc. Facet USA, Inc. or Purolator CAFCO employees not covered by a collective bargaining unit are eligible to participate on September 11, 1999 (December 10, 1999 for CAFCO). Other eligible employees are eligible to participate after attaining one year or service. Participation is frozen to new entrants effective December 1, 2003.
Benefit Accrual Status	Partially frozen.
Normal Retirement	
Eligibility	Age 65.
Benefit	A monthly amount equal to the sum of (1) and (2): (1) For each year of participation, 1.10% of considered compensation. (2) For each year of participation, 0.50% of considered compensation in excess of covered compensation. The years of participation are limited to 35 years. Participants who had not attained age 40 and did not have 10 years of service as of December 31, 2003, or made a one-time election, had their accruals frozen at that time.
Early Retirement	
Eligibility	Age 55 and 10 years of vesting service.
Benefit	A monthly benefit equal to the normal retirement benefit reduced by1/6 of 1% for each of the first 60 months and 1/3 of 1% for each of the next 60 months that early retirement precedes normal retirement.

Vested Termination

Eligibility: Five years of vesting service.

Benefit: The accrued benefit at the date of termination. Reduced payments may begin any time after attaining age 55 reduced by the following factors:

Age	Factor
55	0.4312
56	0.4648
57	0.5018
58	0.5428
59	0.5883
60	0.6389
61	0.6954
62	0.7586
63	0.8295
64	0.9095
65	1.0000

Disability

Eligibility: Totally and permanently disabled.

Benefit: The accrued benefit based at the date of disability. Reduced payments may begin any time after attaining age 55 based on the same reductions as early retirement from active status.

Surviving Spouse

Eligibility: Five years of vesting service.

Benefit: A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 50% of the amount payable if the participant had retired early with a 50% joint and survivor benefit.

Normal Form of Annuity

Without Spouse: Single life annuity.

With Spouse: 50% joint and survivor annuity.

Optional Forms of Annuity:
Single life annuity
10-year certain and life annuity
20-year certain and life annuity
50% joint and survivor annuity
75% joint and survivor annuity
100% joint and survivor annuity
100% joint and survivor annuity with 10-years certain

Actuarial Equivalence	Unisex Pension 1984 Mortality Table and 4.5% interest rate.
Effective November 30, 2017	Applicable mortality table and interest rate under Section 417(e)3 based on the fourth month preceding the beginning of the calendar year containing the Annuity Starting Date.
Definitions	
Benefit Service	Period from date of participation to date benefit accruals ceased or date of termination or retirement, measured in years and completed days. Participation date is no earlier than the acquisition date.
Vesting Service	Period from date of hire to date of termination or retirement measured in years and completed days. Service prior to the acquisition is included.
Considered Compensation	Total compensation for the plan year excluding reimbursements or other expense allowances, fringe benefits, moving expenses, deferred compensation and amounts realized from the exercise of stock options.
Covered Compensation	Average of taxable wage bases for 35 calendar years ending with year in which participant attains Social Security retirement age.

Appendix D—Purolator Products Air Filtration Company (Union Employees)

Effective Date	Appendix effective September 11, 1999.
Eligibility for Participation	Henderson, N.C. hourly employee of Purolator Products Air Filtration Company covered under a collective bargaining agreement providing participation in the plan.
Benefit Accrual Status	All participants are now inactive.
Normal Retirement	
Eligibility	Age 65.
Benefit	Frozen accrued benefit as of January 31, 2002.
Early Retirement	
Eligibility	Ten years of vesting service with 65 points based on age and supplemental benefit service.
Benefit	A monthly benefit equal to the normal retirement benefit reduced by ¼ of 1% for each month that early retirement precedes normal retirement.
Vested Termination	
Eligibility	Five years of vesting service.
Benefit	The accrued benefit at the date of termination. Reduced payments may begin any time after attaining age 55 reduced by ½ of 1% for each month that early retirement precedes normal retirement.
Disability	
Eligibility	10 years of vesting service and deemed totally and permanently disabled.
Benefit	Benefit service continues to accrue until a benefit is payable to the participant.
Surviving Spouse	
Eligibility	Five years of vesting service.
Benefit	A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 50% of the amount payable if the participant had retired early with a 50% joint and survivor benefit.

Normal Form of Annuity	
Without Spouse	Single life annuity.
With Spouse	50% joint and survivor annuity.
Optional Forms of Annuity	Single life annuity 50% joint and survivor annuity 75% joint and survivor annuity 100% joint and survivor annuity
Actuarial Equivalence	Unisex Pension 1984 Mortality Table and 4.5% interest rate.
Effective November 30, 2017	Applicable mortality table and interest rate under Section 417(e)3 based on the fourth month preceding the beginning of the calendar year containing the Annuity Starting Date.
Definitions	
Benefit Service	Service accrued on or after September 11, 1999.
Supplemental Benefit Service	Vesting service prior to September 11, 1999 plus employer benefit service.

Legacy Consolidated Plan

Former Hourly Pension Plan (Sub-Plan 001)

Plan Sponsor	Parker Hannifin Corporation
EIN/PN	34-0451060/001
Effective Date	May 1, 1969, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, nonbargaining employees at this location will become Plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 1997 Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then one-year credit will be granted for each full 170 hours of service. (B) Years of service after July 1, 1997 One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 1997 Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,700 hours. If less than 1,700 hours, then one-year credit will be granted for each full 170 hours of service. (D) Years of participation after July 1, 1997 One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.

Normal Retirement

Eligibility is age 65 and completion of five years of service.

The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown).

Irvine, CA (Jamboree Blvd.)
(00201H, 00203H, 00202H, 00205H)

Date of Retirement			
On or After	But Before	Benefit Unit	Maximum Years of Participation
07-01-76	05-01-77	$ 7.00	35
05-01-77	05-01-78	8.00	35
05-01-78	05-01-79	9.00	35
05-01-79	05-01-80	10.00	35
05-01-80	05-01-81	11.00	35
05-01-81	05-01-82	12.00	40
05-01-82	05-01-84	12.50	40
05-01-84	05-01-85	13.00	40
05-01-85	05-01-86	13.50	40
05-01-86	05-01-87	14.00	40
05-01-87	05-01-88	14.50	40
05-01-88	05-01-89	15.00	40
05-01-89	02-01-91	15.50	40
02-01-91	06-01-92	16.50	40
06-01-92	06-01-93	18.00	40
06-01-93	06-01-94	19.50	40
06-01-94	07-01-95	20.50	40
07-01-95	07-01-96	21.50	40
07-01-96	07-01-97	23.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Huntsville, AL (006H)				
Huntsville, AL—Plant #2 (349H)	07-01-76	12-01-77	$ 4.00	25
	12-01-77	12-01-78	4.50	25
	12-01-78	12-01-79	5.00	25
	12-03-79	12-01-80	5.50	25
	12-01-80	12-01-81	6.00	25
	12-01-81	12-06-82	7.00	25
	12-06-82	12-05-83	7.50	25
	12-05-83	12-03-84	8.00	25
	12-03-84	12-01-85	8.50	25
	12-01-85	12-01-86	9.00	25
	12-08-86	12-01-87	10.25	30
	12-01-87	12-01-88	11.00	30
	12-01-88	12-01-89	11.75	30
	12-01-89	12-01-90	12.25	30
	12-01-90	12-01-91	13.00	30
	12-01-91	12-01-92	14.00	35
	12-01-92	12-01-93	15.00	35
	12-01-93	12-01-94	16.00	35
	12-01-94	12-01-95	17.00	35
	12-01-95	12-01-96	18.00	35
	12-01-96	12-01-97	19.00	40
	12-01-97	12-01-98	20.00	40
	12-01-98	12-01-99	21.00	40
	12-01-99	12-01-00	22.50	40
	12-01-00	12-01-01	24.00	40
	12-01-01	12-01-02	25.00	40
	12-01-02	06-01-04	27.00	40
	06-01-04	12-01-04	28.00	40
	12-01-04	12-01-05	29.00	40
	12-01-05	12-01-06	30.00	40
	12-01-06	12-01-07	31.50	40
	12-01-07	12-01-08	33.00	40
	12-01-08	07-01-10	34.00	40
	07-01-10	07-01-12	35.00	40
	07-01-12	07-01-14	36.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Lyons, NY (022H, 023H)	07-01-10		$35.00	40
	07-01-76	12-01-76	6.00	30
	12-01-76	12-01-77	6.50	30
	12-01-77	12-01-79	7.00	30
	12-01-79	12-01-80	7.50	30
	12-01-80	12-01-81	8.00	30
	12-01-81	12-01-82	9.00	30
	12-01-82	12-01-83	9.50	30
	12-01-83	12-01-84	10.00	30
	12-01-84	12-01-85	10.50	30
	12-01-85	12-01-86	11.00	30
	12-01-86	12-01-87	11.50	35
	12-01-87	12-01-88	12.00	35
	12-01-88	12-01-89	12.50	35
	12-01-89	12-01-90	13.00	35
	12-01-90	12-01-91	13.75	35
	12-01-91	12-01-92	14.50	35
	12-01-92	12-01-93	15.25	35
	12-01-93	12-01-94	16.00	35
	12-01-94	12-01-95	16.75	35
	12-01-95	12-01-96	17.50	35
	12-01-96	12-01-97	18.25	35
	12-01-97	12-01-98	19.00	40
	12-01-98	12-01-99	20.00	40
	12-01-99	12-01-01	21.00	40
	12-01-00	12-01-02	22.00	40
	12-01-02	12-01-04	22.50	40
	12-01-04	12-01-06	23.00	40
	12-01-06	Closed	23.50	40
Clyde, NY (028H)	07-01-76	12-01-76	$ 6.00	30
	12-01-76	12-01-77	6.50	30
	12-01-77	12-01-79	7.00	30
	12-01-79	12-01-80	7.50	30
	12-01-80	12-01-81	8.00	30
	12-01-81	12-01-82	9.00	30
	12-01-82	12-01-83	9.50	30
	12-01-83	12-01-84	10.00	30
	12-01-84	12-01-85	10.50	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	12-01-85	12-01-86	$11.00	30
	12-01-86	12-01-87	11.50	35
	12-01-87	12-01-88	12.00	35
	12-01-88	12-01-89	12.50	35
	12-01-89	12-01-90	13.00	35
	12-01-90	12-01-91	13.75	35
	12-01-91	12-01-92	14.50	35
	12-01-92	12-01-94	15.25	35
	12-01-94	07-01-95	16.75	35
	07-01-95	07-01-96	17.50	40
	07-01-96	07-01-97	18.25	40
	07-01-97	07-01-98	19.00	40
	07-01-98	07-01-99	20.00	40
	07-01-99	07-01-01	21.00	40
	07-01-00	07-01-01	22.00	40
	07-01-01	07-01-02	23.00	40
	07-01-02	07-01-03	24.00	40
Otsego, MI (017H, 018H, 044H)				
Richland, MI (009H)	07-01-76	04-01-77	$ 6.00	30
	04-01-77	04-01-78	6.50	30
	04-01-78	04-01-79	7.00	30
	04-01-79	04-01-80	7.50	30
	04-01-80	04-01-81	8.50	35
	04-01-81	04-01-82	9.50	35
	04-01-82	04-01-83	10.25	35
	04-01-83	04-01-84	11.00	35
	04-01-84	04-01-85	11.50	35
	04-01-85	04-01-86	12.00	35
	04-01-86	04-01-87	12.50	35
	04-01-87	04-01-88	13.00	35
	04-01-88	04-01-89	13.50	35
	04-01-89	04-01-90	14.00	35
	04-01-90	04-01-91	14.50	35
	04-01-91	04-01-92	15.00	40
	04-01-92	04-01-93	16.00	40
	04-01-93	04-01-94	17.00	40
	04-01-94	04-01-95	18.00	40
	04-01-95	04-01-96	19.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	04-01-96	04-01-97	$20.00	40
	04-01-97	04-01-98	21.00	40
	04-01-98	04-01-99	22.00	40
	04-01-99	04-01-00	23.00	40
	04-01-00	04-01-01	25.00	40
	04-01-01	04-01-02	26.00	40
	04-01-02	04-01-03	27.00	40
	04-01-03	10-01-04	28.00	40
	10-01-04	04-01-05	29.00	40
	04-01-05	04-01-06	30.00	40
	04-01-06	04-01-07	31.00	40
	04-01-07	04-01-08	32.00	40
	04-01-08	04-01-10	32.50	40
	04-01-10	04-01-11	33.50	40
	04-01-11	04-01-12	34.50	40
	04-01-12	04-01-13	35.50	40
	04-01-13	04-01-14	36.50	40
	04-01-14	04-01-15	37.50	40
	04-01-15	04-01-16	38.50	40
	04-01-16	04-01-17	39.00	40
Lithia Springs, GA (045H)	07-01-76	08-01-76	$ 3.50	25
	08-01-76	08-01-77	4.50	25
	08-01-77	08-01-78	5.50	25
	08-01-78	08-01-79	6.00	25
	08-01-79	08-01-80	6.50	25
	08-01-80	08-01-81	7.00	25
	08-01-81	08-01-82	7.75	25
	08-01-82	08-01-83	8.50	25
	08-01-83	08-01-84	9.25	25
	08-01-84	08-01-85	9.75	25
	08-01-85	08-01-86	10.50	25
	08-01-86	08-01-87	11.25	25
	08-01-87	08-01-88	12.00	25
	08-01-88	08-01-90	12.75	25
	08-01-90	08-01-91	13.50	25
	08-01-91	08-01-92	14.00	25
	08-01-92	08-01-93	14.50	25
	01-01-93	01-01-94	15.50	25
	08-01-94	08-01-95	16.00	25
	08-01-95	08-01-96	17.00	32

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	08-01-96	08-01-97	$17.75	32
	08-01-97	08-01-99	18.50	32
	08-01-99	08-01-01	19.50	32
	08-01-01	08-01-02	21.75	35
	08-01-02	08-01-04	23.00	35
	02-01-04	08-01-04	24.25	35
	08-01-04	08-01-05	25.25	35
	08-01-05	08-01-07	26.25	35
	08-01-07	08-01-08	27.00	35
	08-01-08	08-01-10	28.00	35
	08-01-10	08-01-11	28.50	35
	08-01-11	08-01-12	29.00	35
	08-01-12	08-01-13	29.50	40
	08-01-13	08-01-14	30.00	40
	08-01-14	08-01-15	30.50	40
	08-01-15	08-01-16	31.00	40
	08-01-16	08-01-17	31.50	40
	08-01-17	08-01-18	32.00	40
Elyria, OH—Valve (060H)	10-01-76	10-01-77	$ 5.00	35
	10-01-77	10-01-78	5.50	35
	10-01-78	10-01-79	6.25	35
	10-01-79	10-01-81	8.25	35
	10-01-81	10-01-82	9.25	35
	10-01-82	09-30-83	10.25	35
	09-30-83	09-30-84	11.00	36
	09-30-84	10-01-85	11.75	37
	10-01-85	10-01-86	12.50	40
	10-01-86	06-01-87	13.00	40
	06-01-87	10-01-88	13.50	40
	10-01-88	10-01-89	14.00	40
	10-01-89	10-01-90	14.50	Unlimited
	10-01-90	10-01-91	15.00	Unlimited
	10-01-91	10-01-92	15.50	Unlimited
	10-01-92	10-01-93	16.00	Unlimited
	10-01-93	10-01-94	16.50	Unlimited
	10-01-94	10-01-95	17.25	Unlimited
	10-01-95	10-01-96	18.00	Unlimited
	10-01-96	10-01-97	18.50	Unlimited
	10-01-97	10-01-98	19.00	Unlimited
	10-01-98	10-01-99	19.50	Unlimited
	10-01-99	10-01-00	20.00	Unlimited

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	10-01-00	10-01-01	$20.50	Unlimited
	10-01-01	10-01-02	21.50	Unlimited
	10-01-02	04-01-04	22.50	Unlimited
	04-01-04	10-01-04	23.50	Unlimited
	10-01-04	10-01-05	24.50	Unlimited
	10-01-05	10-01-06	25.50	Unlimited
	10-01-06	10-01-07	26.50	Unlimited
	10-01-07	10-01-08	27.50	Unlimited
	10-01-08	10-01-10	28.50	Unlimited
	10-01-10	10-01-10	29.50	Unlimited
	10-01-11	10-01-12	30.50	Unlimited
	10-01-12	10-01-13	31.00	Unlimited
	10-01-13	10-01-14	31.50	Unlimited
	10-01-14	10-01-15	32.00	Unlimited
	10-01-15	10-01-16	32.50	Unlimited
	10-01-16	10-01-17	33.00	Unlimited
	10-01-17	10-01-18	33.50	Unlimited
Kent, OH (029H)	07-01-76	06-01-77	$ 5.00	25
	06-01-77	06-01-78	5.50	25
	06-01-78	04-01-80	6.00	25
	04-01-80	04-01-81	7.00	30
	04-01-81	04-01-82	8.00	30
	04-01-82	04-01-83	8.75	30
	04-01-83	04-01-84	9.25	30
	04-01-84	04-01-85	9.75	30
	04-01-85	04-01-86	10.25	32
	04-01-86	04-01-87	10.75	32
	04-01-87	07-01-88	11.25	32
	07-01-88	07-01-89	12.00	32
	07-01-89	07-01-90	12.50	32
	07-01-90	07-01-91	13.00	35
	07-01-91	07-01-92	14.00	35
	07-01-92	07-01-93	14.75	35
	07-01-93	07-01-94	15.75	35
	07-01-94	07-01-95	16.75	35
	07-01-95	07-01-96	17.75	35
	07-01-96	07-01-97	18.50	35
	07-01-97	07-01-98	19.50	35
	07-01-98	07-01-99	20.50	35
	07-01-99	07-01-00	21.50	35
	07-01-00	07-01-01	23.50	35
	07-01-01	07-01-02	24.50	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-02	01-01-04	$25.50	35
	01-01-04	07-01-04	26.50	40
	07-01-04	07-01-05	27.50	40
	07-01-05	07-01-06	28.50	40
	07-01-06	07-01-07	29.50	40
	07-01-07	07-01-08	30.00	40
	07-01-08	07-01-10	30.50	40
	07-01-10	07-01-11	31.00	40
	07-01-11	07-01-12	31.50	40
	07-01-12	07-01-13	32.50	40
	07-01-13	07-01-14	33.50	40
	07-01-14	07-01-15	34.50	40
	07-01-15	07-01-16	35.50	40
	07-01-16	07-01-17	36.00	40
Ravenna, OH (063H)	07-01-76	06-01-77	$ 5.00	25
	06-01-77	06-01-78	5.50	25
	06-01-78	04-01-80	6.00	25
	04-01-80	04-01-81	7.00	30
	04-01-81	04-01-82	8.00	30
	04-01-82	04-01-83	8.75	30
	04-01-83	04-01-84	9.25	30
	04-01-84	04-01-85	9.75	30
	04-01-85	04-01-86	10.25	32
	04-01-86	04-01-87	10.75	32
	04-01-87	07-01-88	11.25	32
	07-01-88	07-01-89	12.00	32
	07-01-89	07-01-90	12.50	32
	07-01-90	07-01-91	13.00	35
	07-01-91	07-01-92	14.00	35
	07-01-92	07-01-93	14.75	35
	07-01-93	07-01-94	15.75	35
	07-01-94	07-01-95	16.75	35
	07-01-95	07-01-96	17.75	35
	07-01-96	07-01-97	18.50	35
	07-01-97	07-01-98	19.50	35
	07-01-98	07-01-99	20.50	35
	07-01-99	07-01-00	21.50	35
	07-01-00	07-01-01	23.50	35
	07-01-01	07-01-02	24.50	35
	07-01-02	01-01-04	25.50	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	01-01-04	07-01-04	$26.50	40
	07-01-04	07-01-05	27.50	40
	07-01-05	07-01-06	28.50	40
	07-01-06	07-01-07	30.00	40
	07-01-07	07-01-13	31.00	40
Portland, OR—PSC (082H)	04-01-81	04-01-82	$ 6.50	30
	04-01-82	04-01-84	7.00	30
	04-01-84	04-01-86	7.75	30
	04-01-86	04-01-87	8.00	30
	04-01-87	04-01-88	8.25	30
	04-01-88	04-01-89	9.00	30
	04-01-89	04-01-90	10.00	30
	04-01-90	04-01-91	11.00	30
	04-01-91	04-01-92	12.00	30
	04-01-92	04-01-93	12.50	30
	04-01-93	04-01-94	13.00	30
	04-01-94	04-01-95	14.00	30
	04-01-95	04-01-96	15.00	30
	04-01-96	04-01-97	16.00	30
	04-01-97	04-01-98	17.00	30
	04-01-98	04-01-99	17.50	30
	04-01-99	04-01-00	18.50	30
	04-01-00	04-01-01	19.00	30
	04-01-01	04-01-02	20.00	30
	04-01-02	04-01-03	21.00	30
	04-01-03	10-01-04	21.50	30
	10-01-04	04-01-05	22.50	30
	04-01-05	04-01-06	23.50	30
	04-01-06	01-01-07	24.50	30
	01-01-07	04-01-07	24.50	35
	04-01-07	04-01-08	25.50	35
	04-01-08	04-01-10	26.50	35
	04-01-10	04-01-11	27.50	35
	04-01-11	04-01-12	28.50	35
	04-01-12	04-01-13	29.50	35
	04-01-13	04-01-14	30.50	35
	04-01-14	04-01-15	31.50	35
	04-01-15	04-01-16	32.50	35
	04-01-16	04-01-18	33.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Santa Fe Springs, CA (053H—Closed)				
Corona, CA—Cylinder (337H)	07-01-76	11-01-76	$ 1.50	30
	11-01-76	11-01-77	4.50	30
	11-01-77	11-01-78	5.50	30
	11-01-78	11-01-79	6.00	30
	11-01-79	11-01-80	6.50	30
	11-01-80	11-01-81	7.00	30
	11-01-81	11-01-82	7.50	30
	11-01-82	11-01-83	8.25	30
	11-01-83	11-01-84	9.00	30
	11-01-84	11-01-85	9.75	30
	11-01-85	11-01-86	10.50	30
	11-01-86	11-01-87	11.25	30
	11-01-87	11-01-88	11.75	30
	11-01-88	11-01-90	12.25	30
	11-01-90	11-01-91	12.75	30
	11-01-91	11-01-92	13.25	30
	11-01-92	11-01-93	14.00	30
	11-01-93	11-01-94	14.75	30
	11-01-94	11-01-95	15.50	30
	11-01-95	11-01-96	16.25	30
	11-01-96	11-01-97	17.00	30
	11-01-97	11-01-98	17.75	30
	11-01-98	11-01-00	18.50	30
	11-01-00	11-01-01	19.50	30
	11-01-01	11-01-02	20.75	30
	11-01-02	05-01-04	21.75	30
	05-01-04	11-01-04	23.00	30
	11-01-04	11-01-05	24.00	30
	11-01-05	11-01-06	25.00	30
	11-01-06	11-01-07	25.75	30
	11-01-07	11-01-08	27.00	30
	11-01-08	11-01-10	28.00	30
	11-01-10	11-01-11	29.00	35
	11-01-11	11-01-12	29.50	35
	11-01-12	11-01-13	30.00	35
	11-01-13	11-01-14	30.50	35
	11-01-14	11-01-15	31.00	35
	11-01-15	11-01-16	31.50	35
	11-01-16	11-01-17	32.00	35
	11-0-16	11-01-18	32.50	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Eaton, OH (004H) Brookville, OH (301H) Lewisburg, OH (007H) Lewisburg West—TFD (345H)	07-01-76	02-01-77	$ 6.00	30
	02-01-77	02-01-78	7.00	30
	02-01-78	02-01-79	7.75	30
	02-01-79	02-01-80	8.50	31
	02-01-80	02-01-81	9.50	31
	02-02-81	02-01-82	10.50	31
	02-01-82	02-01-83	11.25	31
	02-01-83	02-01-84	11.50	31
	02-01-84	02-01-85	11.75	31
	02-01-85	02-01-86	12.00	35
	02-01-86	02-01-87	12.25	35
	02-01-87	02-01-88	12.75	35
	02-01-88	02-01-89	13.50	35
	02-01-89	02-01-90	14.00	35
	02-01-90	02-01-91	14.50	35
	02-01-91	02-01-92	15.00	37
	02-01-92	02-01-93	15.50	38
	02-01-93	02-01-94	16.00	39
	02-01-94	02-01-95	17.50	40
	02-01-95	02-01-96	18.50	40
	02-01-96	07-01-97	19.50	41
	07-01-97	02-01-98	20.50	41
	02-01-98	02-01-99	21.50	42
	02-01-99	02-01-00	22.50	42
	02-01-00	02-01-01	24.00	42
	02-01-01	02-01-02	25.00	42
	02-01-02	02-01-03	26.00	42
	02-01-03	08-01-04	27.00	42
	08-01-04	02-01-05	28.50	42
	02-01-05	02-01-06	29.50	42
	02-01-06	02-01-07	30.50	42
	02-01-07	02-01-08	31.50	45
	02-01-08	07-01-10	32.50	45
	07-01-10	07-01-11	33.50	45
	07-01-11	07-01-12	34.50	45

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-12	07-01-13	$35.50	45
	07-01-13	07-01-14	35.75	45
	07-01-14	07-01-15	36.00	45
	07-01-16	07-01-17	36.00	45
	07-01-17	07-01-18	36.25	45
St. Mary's, OH—Hourly Flex (041H—Closed)				
St. Mary's OH—Cylinder−Flex (411H)				
St. Mary's OH—Cylinder−Non-Flex (41101H)				
St. Mary's OH—Hourly	07-01-76	03-04-77	$ 5.75	30
	03-04-77	03-04-78	6.25	30
	03-04-78	03-04-79	7.00	30
	03-04-79	03-08-80	7.50	30
	03-08-80	03-09-81	9.00	30
	03-09-81	03-08-82	10.00	30
	03-08-82	03-07-83	10.50	32
	03-07-83	03-10-84	11.00	33
	03-10-84	03-11-85	11.50	34
	03-11-85	03-10-86	12.00	35
	03-10-86	03-09-87	12.50	36
	03-09-87	03-14-88	13.00	37
	03-14-88	03-13-89	13.50	38
	03-13-89	03-12-90	14.00	39
	03-12-90	03-01-91	14.50	40
	03-01-91	03-01-92	15.00	40
	03-01-92	03-01-93	15.50	40
	03-01-93	03-01-94	16.50	40
	03-01-94	03-01-95	17.50	40
	03-01-95	03-01-96	18.50	40
	03-01-96	03-01-97	19.25	40
	03-01-97	03-01-99	20.00	40
	03-01-99	03-01-00	20.75	40
	03-01-00	03-01-01	21.50	40
	03-01-01	03-01-02	22.75	40
	03-01-02	03-01-03	23.75	40
	03-01-03	09-01-04	25.00	40
	09-01-04	03-01-05	26.00	40
	03-01-05	03-01-07	27.00	40
	03-01-07	03-01-08	27.50	40
	03-01-08	03-01-10	28.50	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	03-01-10	03-01-11	$29.00	40
	03-01-11	03-01-12	29.50	40
	03-01-12	03-01-13	30.00	40
	03-01-13	03-01-14	30.50	40
	03-01-14	03-01-15	31.00	40
	03-01-15	03-01-16	31.50	40
	03-01-16	03-01-17	32.00	40
	03-01-17	03-01-18	32.50	40
Plymouth, MI (043H)	07-01-76	03-01-77	$ 5.00	25
	03-01-77	03-01-78	5.50	25
	03-01-78	03-01-79	6.00	25
	03-01-79	03-01-80	6.75	25
	03-01-80	03-02-81	7.50	25
	03-02-81	03-01-82	8.00	25
	03-01-82	03-01-83	9.00	25
	03-01-83	02-27-84	9.50	25
	02-27-84	03-01-85	10.25	25
	03-01-85	03-01-86	10.75	25
	03-01-86	03-01-87	11.25	25
	03-01-87	03-01-88	12.00	25
	03-01-88	03-01-90	12.75	25
	03-01-90	03-01-91	13.25	30
	03-01-91	03-01-92	13.75	30
	03-01-92	03-01-93	14.25	30
	03-01-93	03-01-94	15.00	30
	03-01-94	03-01-95	16.00	30
	03-01-95	03-01-96	17.00	35
	03-01-96	03-01-97	18.00	35
	03-01-97	03-01-99	18.75	35
	03-01-99	03-01-00	19.25	35
	03-01-00	03-01-01	20.25	35
	03-01-01	03-01-02	21.50	35
	03-01-02	03-01-03	22.50	35
	03-01-03	09-01-04	23.75	35
	09-01-04	03-01-05	24.75	35
	03-01-05	03-01-07	26.00	35
	03-01-07	03-01-08	27.00	35
	03-01-08	03-01-10	28.00	35
	03-01-10	03-01-11	28.50	35
	03-01-11	03-01-12	29.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	03-01-12	03-01-13	$29.50	40
	03-01-13	03-01-14	30.00	40
	03-01-14	03-01-15	30.50	40
	03-01-15	03-01-16	31.00	40
	03-01-16	03-01-17	31.50	40
	03-01-17	03-01-18	32.00	40
Lexington, KY (014H)	07-01-76	02-01-77	$ 4.50	30
	02-01-77	02-01-78	4.75	30
	02-01-78	02-01-81	5.00	30
	02-01-81	02-01-82	5.25	30
	02-01-82	02-01-83	5.75	30
	02-01-83	02-01-84	6.50	30
	02-01-84	02-01-85	6.75	30
	02-01-85	02-01-86	7.00	30
	02-01-86	02-01-87	7.50	30
	02-01-87	02-01-88	8.00	31
	02-01-88	02-01-89	9.00	31
	02-01-89	02-01-90	9.50	31
	02-01-90	02-01-91	10.00	31
	02-01-91	02-01-92	10.50	32
	02-01-92	02-01-93	11.00	33
	02-01-93	02-01-94	11.50	34
	02-01-94	02-01-95	12.00	35
	02-01-95	02-01-96	12.50	36
	02-01-96	02-01-97	13.00	36
	02-01-97	07-01-97	13.50	37
	07-01-97		13.50	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Grantsburg, WI (048H)				
Chetek, WI—Quick Coupling (361H)	07-01-76	09-01-77	$ 3.50	25
	09-01-77	09-01-78	4.50	25
	09-01-78	09-01-79	5.00	25
	09-01-79	09-01-80	5.50	25
	09-01-80	09-01-81	6.50	25
	09-01-81	09-03-82	7.50	25
	09-03-82	09-01-84	8.25	25
	09-01-84	09-01-85	8.75	25
	09-01-85	09-01-86	9.25	25
	09-01-86	09-01-87	10.00	25
	09-01-87	09-01-88	10.50	25
	09-01-88	09-01-89	11.50	30
	09-01-89	09-01-90	12.50	30
	09-01-90	09-01-91	13.50	30
	09-01-91	09-01-92	14.50	30
	09-01-92	09-01-93	15.50	30
	09-01-93	09-01-94	16.50	30
	09-01-94	09-01-95	17.50	30
	09-01-95	09-01-96	18.50	30
	09-01-96	09-01-97	19.50	30
	09-01-97	09-01-98	21.00	30
	09-01-98	09-01-99	22.00	30
	09-01-99	09-01-00	23.00	30
	09-01-00	09-01-01	24.00	35
	09-01-01	09-01-02	25.50	35
	09-01-02	03-01-04	27.00	35
	03-01-04	09-01-04	28.00	35
	09-01-04	09-01-05	29.00	35
	09-01-05	09-01-06	30.00	35
	09-01-06	09-01-07	31.00	35
	09-01-07	09-01-08	32.00	35
	09-01-08	09-01-10	33.00	35
	09-01-10	09-01-11	33.50	35
	09-01-11	09-01-12	34.00	35
	09-01-12	09-01-14	34.50	40
	09-01-16	09-01-17	35.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Trenton, NJ/PSC (Cherry Hill) (157H—Closed)	09-01-80	09-01-81	$ 5.50	25
	09-01-81	09-01-84	6.50	25
	09-01-84	09-01-85	6.75	25
	09-01-85	09-01-86	7.00	25
	09-01-86	09-01-87	7.25	25
	09-01-87	09-01-90	7.75	25
	09-01-90	09-01-91	10.75	25
	09-01-91	09-01-92	11.75	25
	09-01-92	09-01-93	12.50	25
	09-01-93	09-01-94	13.00	25
	09-01-94	09-01-95	14.00	26
	09-01-95	09-01-98	15.00	26
	09-01-98	09-01-99	17.50	26
	09-01-99	09-01-00	18.50	26
	09-01-00	09-01-01	19.00	26
	09-01-01	09-01-02	19.50	26
	09-01-02	03-01-04	20.00	30
	03-01-04	09-01-04	20.50	30
	09-01-04	09-01-05	21.50	30
	09-01-05	09-01-06	22.50	30
	09-01-06	01-01-07	23.50	30
	01-01-07	09-01-07	23.50	35
	09-01-07	09-01-08	24.50	35
	09-01-08	Closed	25.50	35
Mason, MI (035H)	07-01-76	07-01-77	$ 5.00	25
	07-01-77	07-01-78	5.50	25
	07-01-78	07-01-79	6.50	25
	07-01-79	04-01-80	6.50	30
	04-01-80	04-01-81	7.50	30
	04-01-81	04-01-82	U O	30
	04-01-82	04-01-83	9.25	30
	04-01-83	04-01-84	9.75	30
	04-01-84	04-01-85	10.25	30
	04-01-85	04-01-86	10.75	30
	04-01-86	04-01-87	11.25	32
	04-01-87	04-01-88	11.75	32
	04-01-88	04-01-89	12.25	32
	04-01-89	04-01-90	13.00	32
	04-01-90	04-01-91	14.00	32

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	04-01-91	04-01-92	$15.00	32
	04-01-92	04-01-93	16.00	35
	04-01-93	04-01-94	17.00	35
	04-01-94	04-01-95	18.00	35
	04-01-95	04-01-96	19.00	38
	04-01-96	04-01-97	20.00	38
	04-01-97	04-01-98	21.00	38
	04-01-98	04-01-99	22.00	38
	04-01-99	04-01-00	23.00	38
	04-01-00	04-01-01	24.00	38
	04-01-01	04-01-02	25.00	40
	04-01-02	04-01-03	26.00	40
	04-01-03	10-01-04	27.00	40
	10-01-04	04-01-05	28.00	40
	04-01-05	04-01-06	29.00	40
	04-01-06	08-01-14	30.00	40
Salt Lake City, UT (013H)	04-01-76	04-01-77	$ 2.50	30
	04-01-77	04-01-79	3.00	30
	04-01-79	04-01-80	4.00	30
	04-01-80	04-01-81	5.00	30
	04-01-81	04-01-82	5.50	30
	04-01-82	04-01-84	6.25	30
	04-01-84	04-01-85	6.75	30
	04-01-85	08-01-86	7.00	30
	08-01-86	08-01-87	7.50	30
	08-01-87	08-01-88	8.00	30
	08-01-88	08-01-89	8.75	30
	08-01-89	08-01-90	9.50	30
	08-01-90	08-01-91	10.00	30
	08-01-91	08-01-92	10.50	30
	08-01-92	07-01-93	11.00	30
	07-01-93	08-01-94	11.50	30
	08-01-94	07-01-04	12.00	30
	07-01-04	01-01-05	13.00	30
	01-01-05	07-01-06	15.00	30
	07-01-06	07-01-07	17.00	30
	07-01-07	07-01-12	17.50	30
	07-01-12	07-01-13	18.50	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-13	07-01-14	$19.40	30
	07-01-14		20.15	30
	07-01-16	07-01-17	21.15	30
	07-01-17	07-01-18	22.15	30
Metamora, OH (067H)				
Metamora, OH—Arlon (06701H—Closed)	04-01-76	04-01-77	$ 3.00	25
	04-01-77	04-01-78	4.00	25
	04-01-78	04-01-80	4.50	25
	04-01-80	04-01-81	5.50	25
	04-01-81	04-01-82	6.50	25
	04-01-82	04-01-83	7.25	25
	04-01-83	04-01-84	8.00	25
	04-01-84	04-01-85	8.75	25
	04-01-85	04-01-86	9.50	25
	04-01-86	04-01-87	10.25	25
	04-01-87	04-01-88	11.00	25
	04-01-88	04-01-89	1135	25
	04-01-89	04-01-90	12.25	25
	04-01-90	04-01-91	13.00	25
	04-01-91	04-01-92	13.75	25
	04-01-92	04-01-93	14.25	25
	04-01-93	04-01-94	14.75	25
	04-01-94	04-01-95	15.25	25
	04-01-95	04-01-96	15.75	25
	04-01-96	04-01-97	16.00	25
	04-01-97	04-01-98	16.75	25
	04-01-98	04-01-99	17.25	25
	04-01-99	04-01-00	18.00	25
	04-01-00	04-01-01	20.00	25
	04-01-01	04-01-02	22.00	25
	04-01-02	04-01-03	22.50	25
	04-01-03	10-01-04	22.75	30
	10-01-04	04-01-06	23.00	30
	04-01-06	04-01-07	23.50	30
	04-01-07	04-01-08	24.00	30
	04-01-08	04-01-10	25.00	30
	04-01-10	04-01-11	26.00	30
	04-01-11	08-01-12	26.50	30
	08-01-12	08-01-13	27.50	35
	08-01-13	08-01-14	28.25	35
	08-01-14		29.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Portland, OR (065H—Closed)	08-01-75	08-01-76	$ 2.75	25
	08-01-76	04-01-77	3.00	25
	04-01-77	02-01-78	4.00	25
	02-01-78	02-01-80	5.00	25
	02-01-80	02-01-81	5.50	25
	02-01-81	02-01-82	6.00	25
	02-01-82	02-01-83	7.00	25
	02-01-83	02-01-84	7.75	25
	02-01-84	02-01-85	8.50	25
	02-01-85	02-01-86	9.25	25
	02-01-86	02-01-87	10.00	25
	02-01-87	02-01-88	10.75	25
	02-01-88	02-01-90	11.50	25
	02-01-90	02-01-91	12.00	25
	02-01-91	02-01-92	12.50	25
	02-01-92	02-01-93	13.00	25
	02-01-93	02-01-94	13.75	25
	02-01-94	02-01-95	14.50	25
	02-01-95	02-01-96	15.25	25
	02-01-96	02-01-97	16.00	25
	02-01-97	02-01-99	16.50	25
	02-01-99	02-01-00	17.00	25
	02-01-00	02-01-01	18.00	25
	02-01-01	02-01-02	19.00	25
	02-01-02	02-01-03	20.00	25
	02-01-03	08-01-04	21.25	25
	08-01-04	02-01-05	22.50	25
	02-01-05	02-01-07	23.75	25
	02-01-07	02-01-08	24.75	25
	02-01-08	02-01-09	25.75	25
	02-01-09	Closed	26.25	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Conyers, GA/PSC (078H)	11-01-82	11-01-83	$ 5.50	25
	11-01-83	11-01-84	6.00	25
	11-01-84	11-01-85	6.25	25
	11-01-85	11-01-86	6.50	25
	11-01-86	11-01-87	6.75	25
	11-01-87	11-01-90	7.25	25
	11-01-90	11-01-91	9.75	25
	11-01-91	11-01-92	10.75	25
	11-01-92	11-01-93	11.75	25
	11-01-93	11-01-94	12.75	25
	11-01-94	11-01-95	13.75	25
	11-01-95	11-01-96	14.75	25
	11-01-96	11-01-97	15.25	25
	11-01-97	11-01-98	16.00	25
	11-01-98	11-01-99	17.00	25
	11-01-99	11-01-00	18.00	30
	11-01-00	11-01-01	18.50	30
	11-01-01	11-01-02	19.00	30
	11-01-02	05-01-04	20.00	30
	05-01-04	11-01-04	21.00	30
	11-01-04	11-01-05	22.00	30
	11-01-05	11-01-06	23.00	30
	11-01-06	01-01-07	24.00	30
	01-01-07	11-01-07	24.00	35
	11-01-07	11-01-08	25.00	35
	11-01-08	11-01-10	26.00	35
	11-01-10	11-01-11	27.00	35
	11-01-11	11-01-12	28.00	35
	11-01-12	11-01-13	29.00	35
	11-01-13	11-01-14	30.00	35
	11-01-14	11-01-16	31.00	35
	11-01-16	11-01-17	31.25	35
Lakeville, MN/PSC (085H)				
Toledo, OH—OEM KIT (08501H)	03-01-81	03-01-82	$ 5.00	25
	03-01-82	03-01-84	6.00	25
	03-01-84	03-01-86	6.25	25
	03-01-86	03-01-88	7.00	25
	03-01-88	03-01-90	8.00	25
	03-01-90	03-01-91	9.75	25
	03-01-91	03-01-92	10.75	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	03-01-92	03-01-93	$11.50	25
	03-01-93	03-01-94	12.50	25
	03-01-94	03-01-95	13.50	25
	03-01-95	03-01-96	14.50	25
	03-01-96	03-01-97	15.50	25
	03-01-97	03-01-98	16.50	25
	03-01-98	03-01-99	17.50	25
	03-01-99	03-01-00	18.50	25
	03-01-00	03-01-01	19.00	30
	03-01-01	03-01-02	20.00	30
	03-01-02	03-01-05	21.00	30
	03-01-05	03-01-06	22.00	30
	03-01-06	01-01-07	22.50	30
	01-01-07	03-01-07	22.50	35
	03-01-07	03-01-08	23.00	35
	03-01-08	03-01-09	23.50	35
	03-01-09	03-01-11	24.00	35
	03-01-11	03-01-12	25.00	35
	03-01-12	03-01-13	26.00	35
	03-01-13	03-01-14	27.00	35
	03-01-14	03-01-15	28.00	35
	03-01-15	03-01-16	29.00	35
	03-01-16	03-01-17	30.00	35
	03-01-17	03-01-18	30.50	35
Lakeview, MI—Brass (021H)	07-01-79	07-01-80	$ 3.00	25
	07-01-80	07-01-81	4.00	25
	07-01-81	07-01-83	5.00	25
	07-01-83	07-01-84	5.75	25
	07-01-84	07-01-85	6.50	25
	07-01-85	07-01-86	7.25	25
	07-01-86	07-01-87	8.00	25
	07-01-87	07-01-88	9.00	25
	07-01-88	07-01-89	10.00	25
	07-01-89	07-01-90	11.00	25
	07-01-90	07-01-91	12.00	25
	07-01-91	07-01-92	13.00	25
	07-01-92	07-01-93	14.00	25
	07-01-93	07-01-94	15.00	25
	07-01-94	07-01-95	16.00	25
	07-01-95	07-01-96	17.00	25
	07-01-96	07-01-97	18.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-97	07-01-98	$19.00	25
	07-01-98	07-01-99	20.00	25
	07-01-99	07-01-00	21.00	25
	07-01-00	07-01-01	22.00	40
	07-01-01	07-01-02	23.00	40
	07-01-02	01-01-04	24.00	40
	01-01-04	07-01-04	25.00	40
	07-01-04	07-01-05	26.00	40
	07-01-05	07-01-06	27.00	40
	07-01-06	07-01-07	28.00	40
	07-01-07	07-01-08	28.50	40
	07-01-08	07-01-10	29.00	40
	07-01-10	07-01-11	30.00	40
	07-01-11	07-01-12	30.50	40
	07-01-12	07-01-13	31.50	40
	07-01-13	07-01-14	32.50	40
	07-01-14	07-01-15	33.50	40
	07-01-15	07-01-16	34.50	40
	07-01-16	07-01-17	35.50	40
	07-01-17	07-01-18	36.00	40
Jacksonville, AL (051H)	07-01-79	07-01-80	$ 5.00	25
	07-01-80	07-03-81	5.50	25
	07-03-81	07-02-82	6.00	25
	07-02-82	07-01-83	6.50	25
	07-01-83	08-01-84	7.00	25
	08-01-84	08-01-85	7.50	25
	08-01-85	08-01-86	8A0	25
	08-01-86	08-01-87	8.50	25
	08-01-87	08-01-88	9.00	25
	08-01-88	08-01-89	10.00	25
	08-01-89	08-01-90	11.00	25
	08-01-90	08-01-91	12.00	25
	08-01-91	08-01-92	13.00	25
	08-01-92	08-01-93	14.00	25
	08-01-93	08-01-94	15.00	25
	08-01-94	08-01-95	16.00	25
	08-01-95	08-01-96	17.00	25
	08-01-96	08-01-97	18.00	25
	08-01-97	08-01-98	19.00	25
	08-01-98	08-01-99	20.00	25
	08-01-99	08-01-00	21.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	08-01-00	08-01-01	$22.00	25
	08-01-01	08-01-02	23.50	25
	08-01-02	02-01-04	25.00	25
	02-01-04	06-01-04	27.00	40
	06-01-04	12-01-04	28.00	40
	12-01-04	12-01-05	29.00	40
	12-01-05	12-01-06	30.00	40
	12-01-06	12-01-07	31.50	40
	12-01-07	12-01-08	33.00	40
	12-01-08	07-01-10	34.00	40
	07-01-10	07-01-12	35.00	40
	07-01-12	07-01-17	36.00	40
Avon, OH (081H)	03-01-80	09-13-82	$ 8.00	35
	09-13-82	09-13-83	8.50	35
	09-13-83	10-01-84	9.00	35
	10-01-84	10-01-85	10.00	35
	10-01-85	10-01-86	11.00	35
	10-01-86	09-14-87	12.00	35
	09-14-87	09-19-88	13.00	35
	09-19-88	09-18-89	14.00	35
	09-18-89	09-16-91	15.00	35
	09-16-91	09-19-92	16.00	35
	09-19-92	09-06-93	16.50	35
	09-06-93	07-01-94	17.00	35
	07-01-94	07-01-95	17.50	35
	07-01-95	07-01-96	18.00	35
	07-01-96	07-01-97	18.50	35
	07-01-97	07-01-98	19.00	35
	07-01-98	07-01-99	19.50	35
	07-01-99	07-01-00	20.00	35
	07-01-00	07-01-01	21.00	35
	07-01-01	07-01-02	22.00	35
	07-01-02	07-01-03	23.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Madison, MS (128H, 12801H—Closed)	01-01-76	09-29-78	$ 2.50	Unlimited
	09-29-78	09-01-80	3.50	Unlimited
	09-01-80	09-01-81	4.00	35
	09-01-81	09-01-82	4.50	35
	09-01-82	09-01-83	5.00	35
	09-01-83	09-03-84	5.50	35
	09-03-84	09-01-86	6.00	35
	09-01-86	09-01-87	7.00	35
	09-01-87	09-01-88	7.50	35
	09-01-88	09-01-89	8.00	35
	09-01-89	09-01-90	8.50	35
	09-01-90	09-01-91	9.00	35
	09-01-91	09-01-92	9.50	35
	09-01-92	09-01-93	10.00	35
	09-01-93	09-01-94	10.50	35
	09-01-94	09-01-95	11.50	35
	09-01-95	09-01-97	12.00	35
	09-01-97	09-01-98	12.50	35
	09-01-98	09-01-99	13.00	35
	09-01-99	09-01-00	14.00	35
	09-01-00	09-01-01	15.00	35
	09-01-01	09-01-02	16.00	35
	09-01-02	03-01-04	17.00	35
	03-01-04	09-01-04	18.00	35
	09-01-04	09-01-05	19.00	35
	09-01-05	09-01-06	20.00	35
	09-01-06	09-01-07	21.00	35
	09-01-07	09-01-08	22.00	35
	09-01-08	09-01-10	23.00	35
	09-01-10	09-01-10	24.00	35
	09-01-11	09-01-12	25.00	35
	09-01-12	09-01-13	26.00	35
	09-01-13	09-01-14	27.00	35
	09-01-14	09-01-17	28.00	35
	07-01-17	07-01-18	29.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Greensboro, NC—PSC (132H)	05-01-82	05-01-83	$ 4.75	30
	05-01-83	05-01-84	5.00	30
	05-01-84	05-01-85	5.50	30
	05-01-85	05-01-86	5.75	30
	05-01-86	05-01-87	6.00	30
	05-01-87	05-01-88	6.50	30
	05-01-88	05-01-90	7.50	30
	05-01-90	05-01-91	9.50	30
	05-01-91	05-01-92	10.50	30
	05-01-92	05-01-93	11.50	30
	05-01-93	05-01-94	12.50	30
	05-01-94	05-01-95	13.50	30
	05-01-95	05-01-96	14.50	30
	05-01-96	05-01-98	15.00	30
	05-01-98	05-01-00	16.00	30
	05-01-00	05-01-01	18.00	30
	05-01-01	05-01-02	19.00	30
	05-01-02	05-01-03	20.00	30
	05-01-03	05-01-05	21.00	30
	05-01-05	05-01-06	22.00	30
	05-01-06	05-01-08	23.00	30
	05-01-08	05-01-12	24.00	30
	05-01-12	05-01-13	25.00	30
	05-01-13	05-01-14	26.00	30
	05-01-14	05-01-17	27.00	30
	05-01-17	05-01-18	28.00	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Irvine, CA—Logistics (08304H)				
Irvine, CA—Cust. Suppl. Military (08305H)				
Irvine, CA—Control Systems (071H)				
Irvine, CA—CSD Commercial (07102H)	07-01-81	05-03-82	$12.00	40
	05-03-82	05-01-84	12.50	40
	05-01-84	05-01-85	13.00	40
	05-01-85	05-01-86	13.50	40
	05-01-86	05-01-87	14.00	40
	05-01-87	05-01-88	14.50	40
	05-01-88	05-01-89	15.00	40
	05-01-89	02-01-91	15.50	40
	02-01-91	06-01-92	16.50	40
	06-01-92	06-01-93	18.00	40
	06-01-93	06-01-94	19.50	40
	06-01-94	07-01-95	20.50	40
	07-01-95	07-01-96	21.50	40
	07-01-96	07-01-97	23.00	40
Elyria, OH (Airborne) (129H)	07-01-84	07-01-86	$13.50	30
	07-01-86	07-01-87	13.50	35
	07-01-87	07-01-88	14.00	35
	07-01-88	07-01-89	14.50	35
	07-01-89	07-01-90	15.00	35
	07-01-90	07-01-91	15.50	35
	07-01-91	07-01-92	16.00	35
	07-01-92	07-01-93	16.50	35
	07-01-93	07-01-94	17.00	35
	07-01-94	07-01-95	17.50	35
	07-01-95	07-01-96	18.00	35
	07-01-96	07-01-97	18.50	35
	07-01-97	07-01-98	19.00	35
	07-01-98	07-01-99	19.50	35
	07-01-99	07-01-00	20.00	35
	07-01-00	07-01-01	21.00	35
	07-01-01	07-01-02	22.00	35
	07-01-02		23.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Spartanburg, SC (139H)	07-01-81	07-01-84	$ 8.00	35
	07-01-84	01-01-95	8.50	35
	01-01-95	01-01-96	9.50	35
	01-01-96	01-01-97	10.00	35
	01-01-97	01-01-98	10.50	35
	01-01-98	01-01-99	11.00	35
	01-01-99	01-01-00	11.50	35
	01-01-00	01-01-01	12.50	35
	01-01-01	01-01-02	13.50	35
	01-01-02	01-01-03	14.50	35
	01-01-03	07-01-05	15.50	35
	07-01-05	01-01-06	16.50	35
	01-01-06	01-01-07	17.50	35
	01-01-07	01-01-08	18.50	35
	01-01-08	07-01-10	19.00	35
	07-01-10	07-01-11	19.50	35
	07-01-11	07-01-12	20.00	35
	07-01-12	07-01-14	20.50	35
	07-01-14	07-01-15	21.00	35
Wadsworth, OH—Rotary Actuator (147H; 14701H)	07-01-81	02-01-82	$ 8.00	25
	02-01-82	02-01-83	9.00	25
	02-01-83	02-01-84	9.50	25
	02-01-84	02-01-85	10.25	25
	02-01-85	02-01-86	11.00	25
	02-01-86	02-01-87	11.50	25
	02-01-87	02-01-88	12.25	25
	02-01-88	02-01-89	13.00	25
	02-01-89	02-01-90	13.50	25
	02-01-90	02-01-92	14.00	25
	02-01-92	02-01-93	14.50	25
	02-01-93	02-01-94	15.25	25
	02-01-94	02-01-95	16.00	25
	02-01-95	02-01-96	16.75	25
	02-01-96	02-01-98	17.25	25
	02-01-98	02-01-99	18.00	25
	02-01-99	02-01-00	18.50	25
	02-01-00	02-01-01	19.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	02-01-01	02-01-02	$19.50	25
	02-01-02	02-01-03	20.50	25
	02-01-03	08-01-04	21.50	25
	08-01-04	02-01-06	22.50	32
	02-01-06	02-01-07	23.50	32
	02-01-07	02-01-08	24.50	35
	02-01-08	02-01-09	25.50	35
	02-01-09	02-01-11	26.50	35
	02-01-11	02-01-12	28.00	35
	02-01-12	02-01-13	29.50	35
	02-01-13	02-01-14	30.50	35
	02-01-14	02-01-15	31.50	35
	02-01-15	02-01-16	32.50	35
	02-01-16	02-01-17	33.50	35
	02-01-17	02-01-18	34.00	35
	Note: *The minimum benefit is $30 per month for employees hired prior to age 60 and under age 65 on the effective date.*			
Ogden, UT (109H)	07-01-81	05-31-82	$12.00	40
	05-31-82	05-01-84	12.50	40
	05-0.1-84	05-01-85	13.00	40
	05-01-85	05-01-86	13.50	40
	05-01-86	05-01-87	14.00	40
	05-01-87	05-01-88	14.50	40
	05-01-88	05-01-89	15.00	40
	05-01-89	02-01-91	15.50	40
	02-01-91	06-01-92	16.50	40
	06-01-92	06-01-93	18.00	40
	06-01-93	06-01-94	19.50	40
	06-01-94	06-01-95	20.50	40
	06-01-95	07-01-96	21.50	40
	07-01-96	07-01-97	23.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Buena Park, CA—PSC (117H) Buena Park, CA—Western Metro (11701H—Closed)	11-01-82	11-01-83	$ 5.25	30
	11-01-83	11-01-84	5.75	30
	11-01-84	11-01-85	6.00	30
	11-01-85	11-01-86	6.25	30
	11-01-86	11-01-87	6.75	30
	11-01-87	11-01-89	7.25	30
	11-01-89	11-01-90	9.00	30
	11-01-90	11-01-91	10.00	30
	11-01-91	11-01-92	11.00	30
	11-01-92	11-01-93	12.00	30
	11-01-93	11-01-94	13.00	30
	11-01-94	11-01-95	14.00	30
	11-01-95	11-01-96	15.00	30
	11-01-96	11-01-98	16.00	30
	11-01-98	11-01-99	17.00	30
	11-01-99	11-01-00	18.00	30
	11-01-00	11-01-01	18.50	30
	11-01-01	11-01-02	19.50	30
	11-01-02	11-01-04	20.50	30
	11-01-04	01-01-05	21.50	30
	11-01-05	11-01-06	22.50	30
	11-01-06	01-01-07	23.50	30
	01-01-07	11-01-07	23.50	35
	11-01-07	11-01-08	24.50	35
	11-01-08	11-01-10	25.50	35
	11-01-10	11-01-11	26.50	35
	11-01-11	11-01-12	27.50	35
	11-01-12	11-01-13	28.50	35
	11-01-13	11-01-14	29.50	35
	11-01-14	11-01-16	30.00	35
	11-01-16	11-01-17	31.00	35
Mauston, WI (153H, 15301H—Closed)	07-01-81	07-01-90	$ 8.50	30
	07-01-90	07-01-92	9.50	30
	07-01-92	07-01-93	10.00	30
	07-01-93	07-01-94	10.50	30
	07-01-94	07-01-97	11.00	30
	07-01-97	01-01-99	12.00	30
	01-01-99	01-01-01	13.00	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	01-01-01	01-01-03	$14.00	30
	01-01-03	07-01-04	15.00	30
	07-01-04	01-01-05	16.00	30
	01-01-05	01-01-06	17.00	30
	01-01-06	01-01-09	18.00	30
	01-01-09	01-01-10	19.00	30
	01-01-10	01-01-11	21.00	30
	01-01-11	01-01-12	22.00	30
	01-01-12	01-01-14	23.00	30
	01-01-14	01-01-16	24.00	30
	01-01-16	01-01-17	25.00	30
	01-01-17	01-01-18	26.00	30
Batesville, MS (069H)	11-01-81	11-01-85	$ 3.00	25
	11-01-85	11-01-86	3.75	25
	11-01-86	11-01-87	4.00	25
	11-01-87	11-01-88	5.00	25
	11-01-88	11-01-89	6.00	25
	11-01-89	11-01-90	7.00	25
	11-01-90	11-01-91	7.75	25
	11-01-92	11-01-93	9.75	25
	11-01-93	11-01-94	10.50	25
	11-01-94	11-01-95	11.00	25
	11-01-95	11-01-98	11.50	25
	11-01-98	11-01-99	12.50	25
	11-01-99	11-01-00	13.50	25
	11-01-00	11-01-01	15.50	25
	11-01-01	11-01-02	16.50	25
	11-01-02	05-01-04	17.50	25
	05-01-04	11-01-04	18.50	30
	11-01-04	11-01-06	19.50	30
	11-01-06	11-01-10	20.00	30
	11-01-10	11-01-16	21.00	30
	11-01-16	11-01-17	22.00	30
Trumann, AR (057H, 05701H—Closed, 61100H)	11-01-81	11-01-85	$ 3.00	25
	11-01-85	11-01-86	3.75	25
	11-01-86	11-01-87	4.00	25
	11-01-87	11-01-88	5.00	25
	11-01-88	11-01-89	6.00	25
	11-01-89	11-01-90	7.00	25
	11-01-90	11-01-91	7.75	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	11-01-91	11-01-92	$ 8.75	25
	11-01-92	11-01-93	9.75	25
	11-01-93	11-01-94	10.50	25
	11-01-94	11-01-95	11.25	25
	11-01-95	11-01-98	11.50	25
	11-01-99	11-01-99	12.50	25
	11-01-99	11-01-00	13.50	25
	11-01-00	11-01-01	15.50	25
	11-01-01	11-01-02	16.50	25
	11-01-02	05-01-04	17.50	25
	05-01-04	11-01-04	18.50	30
	11-01-04	11-01-06	19.50	30
	11-01-06	11-01-10	20.00	30
	11-01-10		21.00	30
Phoenix, AZ—Fuel Products (123H)	07-01-79	07-01-80	$ 8.00	35
	07-01-80	03-02-81	9.00	35
	03-02-81	03-01-82	10.00	35
	03-01-82	05-01-84	10.50	35
	05-01-84	05-01-85	11.00	35
	05-01-85	05-01-86	11.50	35
	05-01-86	05-01-87	12.00	40
	05-01-87	07-01-88	12.50	40
	07-01-88	05-01-89	13.00	40
	05-01-89	02-01-91	13.50	40
	02-01-91	07-01-93	14.50	40
	07-01-93	06-01-94	15.50	40
	06-01-94	07-01-95	16.50	40
	07-01-95	07-01-96	17.50	40
	07-01-96	07-01-97	18.00	40
Glendale, AZ (236H)				
Glendale, AZ—CSO Commercial (23601H)	07-01-81	10-01-81	$ 8.00	35
	10-01-81	10-01-83	8.50	35
	10-01-83	10-01-85	9.00	35
	10-01-85	10-01-86	9.50	35
	10-01-86	10-01-87	10.00	35
	10-01-87	11-03-88	11.00	35
	11-03-88	10-01-89	12.00	35
	10-01-89	10-01-90	12.50	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	10-01-90	10-01-91	$13.00	35
	10-01-91	10-01-92	13.50	35
	10-01-92	10-01-93	14.00	35
	10-01-93	07-01-94	15.00	35
	07-01-94	07-01-95	15.75	35
	07-01-95	07-01-96	16.75	35
	07-01-96		17.50	35
Boaz, AL (155H)	07-01-82	07-01-83	$ 7.00	25
	07-01-83	07-01-84	7.50	25
	07-01-84	07-01-85	7.75	25
	07-01-85	07-01-86	8.00	25
	07-01-86	07-01-87	8.50	25
	07-01-87	07-01-88	9.50	30
	07-01-88	07-01-89	10.50	30
	07-01-89	07-01-90	11.50	30
	07-01-90	07-01-91	12.00	30
	07-01-91	07-01-92	13.00	30
	07-01-92	07-01-93	14.00	30
	07-01-93	07-01-94	15.00	30
	07-01-94	07-01-95	16.00	30
	07-01-95	07-01-96	17.00	35
	07-01-96	07-01-97	18.00	35
	07-01-97	07-01-98	19.00	35
	07-01-98	07-01-99	20.00	35
	07-01-99	04-01-00	21.00	35
	04-01-00	12-01-00	22.50	35
	12-01-00	12-01-01	24.00	40
	12-01-01	12-01-02	25.00	40
	12-01-02	06-01-04	27.00	40
	06-01-04	12-04-04	28.00	40
	12-01-04	12-01-05	29.00	40
	12-01-05	12-01-06	30.00	40
	12-01-06	12-01-07	31.50	40
	12-01-07	12-01-08	33.00	40
	12-01-08	07-01-10	34.00	40
	07-01-10	07-01-12	35.00	40
	07-01-12	07-01-16	36.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Albion, IN (161H)	07-01-83	07-01-84	$ 8.50	25
	07-01-84	07-01-85	9.00	25
	07-01-85	07-01-86	9.50	25
	07-01-86	07-01-87	10.00	25
	07-01-87	07-01-88	10.50	25
	07-01-88	07-01-90	11.00	25
	07-01-90	07-01-91	12.00	25
	07-01-91	07-01-92	13.00	25
	07-01-92	07-01-93	14.00	25
	07-01-93	07-01-94	15.00	25
	07-01-94	07-01-95	16.00	25
	07-01-95	07-01-96	17.00	25
	07-01-96	07-01-97	18.00	25
	07-01-97	07-01-98	19.00	25
	07-01-98	07-01-99	20.00	25
	07-01-99	07-01-00	21.00	25
	07-01-00	07-01-01	22.00	25
	07-01-01	07-01-02	23.00	25
	07-01-02	01-01-04	24.00	25
	01-01-04	07-01-04	25.00	25
	07-01-04	07-01-05	26.00	25
	07-01-05	07-01-06	27.00	25
	07-01-06	07-01-07	28.00	25
	07-01-07	07-01-08	28.50	25
	07-01-08	07-01-10	29.00	30
	07-01-10	07-01-11	30.00	30
	07-01-11	07-01-12	30.50	30
	07-01-12	07-01-13	31.50	30
	07-01-13	07-01-14	32.50	30
	07-01-14	07-01-15	33.50	30
	07-01-15	07-01-16	34.50	30
	07-01-16	07-01-17	35.50	40
	07-01-17-	07-01-18	36.00	40
Ashley, IN (172H)	07-01-83	07-01-84	$ 8.50	25
	07-01-84	07-01-85	9.00	25
	07-01-85	07-01-86	9.50	25
	07-01-86	07-01-87	10.00	25
	07-01-87	07-04-88	10.50	25
	07-04-88	07-01-90	11.00	25
	07-01-90	07-01-91	11.50	25
	07-01-91	07-01-92	12.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	07-01-92	07-01-93	$12.50	25
	07-01-93	07-01-94	13.25	25
	07-01-94	07-01-95	14.00	25
	07-01-95	07-01-96	14.75	25
	07-01-96	07-01-97	15.50	25
	07-01-97	07-01-99	16.25	25
	07-01-99	07-01-00	17.00	25
	07-01-00	07-01-01	18.00	25
	07-01-01	07-01-02	19.25	25
	07-01-02	01-01-04	20.50	25
	01-01-04	07-01-04	21.75	25
	07-01-04	07-01-05	22.75	25
	07-01-05	07-01-07	24.00	25
	07-01-07	07-01-08	25.00	25
	07-01-08	07-01-10	26.00	25
	07-01-10	07-01-11	27.00	25
	07-01-11	07-01-12	28.00	30
	07-01-12	07-01-13	29.00	30
	07-01-13	07-01-14	30.00	30
	07-01-14	07-01-15	30.50	30
	07-01-15	07-01-16	31.00	30
	07-01-16	07-01-17	31.50	30
	07-01-17	07-01-18	32.00	40
Deerwood, MN (146H)	02-01-84	02-01-85	$ 3.00	25
	02-01-85	02-01-86	4.00	25
	02-01-86	02-01-87	4.50	25
	02-01-87	02-01-88	5.50	25
	02-01-88	02-01-89	7.00	25
	02-01-89	02-01-90	8.00	25
	02-01-90	02-01-91	9.00	25
	02-01-91	02-01-92	10.00	25
	02-01-92	02-01-93	11.00	25
	02-01-93	02-01-94	12.00	25
	02-01-94	02-01-95	13.00	25
	02-01-95	02-01-96	14.00	25
	02-01-96	02-01-97	15.50	30
	02-01-97	02-01-98	16.50	30
	02-01-98	02-01-99	18.00	30
	02-01-99	02-01-00	19.00	30
	02-01-00	02-01-01	20.00	30
	02-01-01	02-01-02	21.50	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	02-01-02	02-01-03	$23.00	30
	02-01-03	08-01-04	25.00	30
	08-01-04	02-01-05	26.00	30
	02-01-05	02-01-06	27.00	35
	02-01-06	02-01-07	28.00	35
	02-01-07	02-01-09	29.00	35
	02-01-09	08-01-16	30.00	35
	08-01-16	12-02-16	30.00	35
Broadview, IL (090H)				
Broadview, IL (09001H—Closed)				
Broadview, IL—Aftermarket (09002H)	01-01-83	07-01-90	$ 9.00	35
	07-01-90	07-01-92	9.50	35
	07-01-92	07-01-93	10.00	35
	07-01-93	07-01-94	10.50	35
	07-01-94	07-01-97	11.00	35
	07-01-97	01-01-99	12.00	35
	01-01-99	01-01-01	13.00	35
	01-01-01	01-01-03	14.00	35
	01-01-03	07-01-04	15.00	35
	07-01-04	01-01-05	16.00	35
	01-01-05	01-01-06	17.00	35
	01-01-06	01-01-09	18.00	35
	01-01-09	01-01-10	19.00	35
	01-01-10	01-01-11	21.00	35
	01-01-11	01-01-12	22.00	35
	01-01-12	01-01-14	23.00	35
	01-01-14	01-01-16	24.00	35
	01-01-16	01-01-17	25.00	35
	01-01-17	01-01-18	26.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Columbus, OH (176H)	07-01-84	05-01-86	$ 8.00	25
	05-01-86	05-01-88	8.25	25
	05-01-88	05-01-89	9.00	25
	05-01-89	05-01-90	10.00	25
	05-01-90	05-01-91	10.50	25
	05-01-91	05-01-92	11.50	25
	05-01-92	05-01-93	12.00	25
	05-01-93	05-01-94	12.50	25
	05-01-94	05-01-95	13.00	25
	05-01-95	05-01-96	14.00	25
	05-01-96	05-01-97	15.00	25
	05-01-97	05-01-98	16.00	25
	05-01-98	05-01-99	17.00	25
	05-01-99	05-01-00	18.00	25
	05-01-00	05-01-01	19.50	25
	05-01-01	05-01-02	21.00	25
	05-01-02	05-01-03	22.00	25
	05-01-03	11-01-04	23.00	25
	11-01-04	05-01-05	24.50	25
	05-01-05	05-01-06	25.50	25
	05-01-06	05-01-07	26.50	25
	05-01-07	05-01-08	27.50	25
	05-01-08	05-01-10	28.50	25
	05-01-10	05-01-11	29.50	25
	05-01-11	07-01-14	30.50	25
	07-01-14	07-01-15	30.75	25
Forest City, NC (188H)	07-01-84	06-01-86	$ 7.50	35
	06-01-86	06-01-87	8.00	25
	06-01-87	06-01-89	8.50	25
	06-01-89	06-01-90	9.00	25
	06-01-90	06-01-93	9.50	25
	06-01-93	06-01-94	10.25	25
	06-01-94	06-01-96	10.75	25
	06-01-96	06-01-98	11.25	25
	06-01-98	06-01-99	11.75	25
	06-01-99	06-01-00	12.25	25
	06-01-00	06-01-01	12.75	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	06-01-01	06-01-02	$13.75	25
	06-01-02	06-01-03	14.75	25
	06-01-03	12-01-04	16.00	25
	12-01-04	06-01-05	17.50	25
	06-01-05	06-01-06	19.00	25
	06-01-06	06-01-07	20.00	25
	06-01-07	06-01-10	21.00	25
	06-01-10	06-01-11	22.00	25
	06-01-11	06-01-12	23.00	25
	06-01-12	06-01-13	24.00	25
	06-01-13	06-01-14	25.00	25
	06-01-14	06-01-15	26.00	25
	06-01-15	06-01-16	27.00	25
	06-01-16	06-01-17	28.00	25
Manhattan, KS (124H)	07-01-85	12-01-85	$ 5.00	25
	12-01-85	12-01-86	5.50	25
	12-01-86	12-01-87	6.00	25
	12-01-87	12-01-88	7.00	25
	12-01-88	12-01-89	8.00	25
	12-01-89	12-01-90	9.00	30
	12-01-90	12-01-91	10.00	30
	12-01-91	12-01-92	11.00	30
	12-01-92	12-01-93	11.00	30
	12-01-93	12-01-94	13.00	30
	12-01-94	12-01-95	14.00	30
	12-01-95	12-01-96	15.00	30
	12-01-96	12-01-97	16.00	30
	12-01-97	12-01-98	17.00	30
	12-01-98	12-01-99	18.00	30
	12-01-99	12-01-00	19.00	30
	12-01-00	12-01-01	20.00	30
	12-01-01	12-01-02	21.00	30
	12-01-02	06-01-04	22.50	30
	06-01-04	12-01-04	23.50	30
	12-01-04	12-01-05	24.50	30
	12-01-05	12-01-08	25.50	30
	12-01-08	12-01-12	26.50	30
	12-01-12	12-01-15	27.50	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Enfield, CT (202H)	11-01-85	06-01-87	$ 7.50	25
	06-01-87	06-06-88	8.00	25
	06-06-88	06-01-90	8.50	25
	06-01-90	06-01-91	9.00	25
	06-01-91	06-01-92	9.50	25
	06-01-92	06-01-93	10.00	25
	06-01-93	06-01-94	10.50	25
	06-01-94	06-01-95	11.00	25
	06-01-95	06-01-96	11.75	25
	06-01-96	06-01-97	12.50	25
	06-01-97	06-01-99	13.25	25
	06-01-99	06-01-00	14.00	25
	06-01-00	06-01-01	15.00	25
	06-01-01	06-01-02	16.25	25
	06-01-02	06-01-03	17.50	25
	06-01-03	12-01-04	18.75	25
	12-01-04	06-01-06	19.75	25
	06-01-06	06-01-07	21.00	25
	06-01-07	06-01-08	22.00	25
	06-01-08	06-01-10	23.00	25
	06-01-10	06-01-11	24.00	25
	06-01-11	06-01-12	25.50	25
	06-01-12	06-01-13	27.00	30
	06-01-13	06-01-14	28.00	30
	06-01-14	06-01-15	29.00	30
	06-01-15	06-01-16	30.00	30
Goodland, IN (201H)	07-01-86	05-01-87	$ 7.50	25
	05-01-87	05-02-88	8.00	25
	05-02-88	05-01-90	8.50	25
	05-01-90	05-01-91	9.00	25
	05-01-91	05-01-92	9.50	25
	05-01-92	05-01-93	10.00	25
	05-01-93	05-01-94	10.50	25
	05-01-94	05-01-96	11.25	25
	05-01-96	05-01-97	11.50	25
	05-01-97	05-01-99	12.25	25
	05-01-99	05-01-00	13.25	25
	05-01-00	05-01-01	14.25	25
	05-01-01	05-01-02	15.50	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	05-01-02	05-01-03	$16.75	25
	05-01-03	11-01-04	18.00	25
	11-01-04	05-01-05	19.25	25
	05-01-05	05-01-07	20.75	25
	05-01-07	05-01-08	21.75	25
	05-01-08	05-01-10	23.00	30
	05-01-10	05-01-11	24.00	30
	05-01-11	05-01-12	25.50	30
	05-01-12	05-01-13	27.00	30
	05-01-13	05-01-14	28.00	30
	05-01-14	05-01-15	29.00	30
	05-01-15	05-01-16	30.00	30
	05-01-16	05-01-17	31.00	30
	05-01-17	05-01-18	31.50	40
Mooresville, NC (212H—Closed)				
Mooresville, NC—PSC (21201H)	07-01-86	02-01-87	$ 7.00	25
	02-01-87	02-01-88	7.50	25
	02-01-88	02-01-89	8.00	25
	02-01-89	02-01-90	8.50	25
	02-01-90	02-01-91	9.00	25
	02-01-91	02-01-92	9.50	25
	02-01-92	02-01-93	10.00	25
	02-01-93	02-01-94	11.00	25
	02-01-94	02-01-95	11.50	25
	02-01-95	02-01-96	12.50	25
	02-01-96	02-01-97	13.00	25
	02-01-97	02-01-98	14.00	25
	02-01-98	07-01-00	15.00	25
	07-01-00	07-01-01	16.00	30
	07-01-01	09-01-02	17.00	30
	09-01-02	03-01-04	18.00	30
	03-01-04	09-01-04	19.00	30
	09-01-04	09-01-05	20.00	30
	09-01-05	09-01-06	21.00	30
	09-01-06	01-01-07	22.00	30
	01-01-07	09-01-07	22.00	35
	09-01-07	09-01-08	23.00	35
	09-01-08	09-01-10	24.00	35
	09-01-10	09-01-11	25.00	35
	09-01-11	09-01-12	26.00	35
	09-01-12	09-01-13	27.00	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	09-01-13	09-01-14	$28.00	35
	09-01-14	09-01-15	29.00	35
	09-01-15	09-01-16	30.00	35
	09-01-16	09-01-17	30.50	35
	09-01-17	09-01-18	31.00	35
Waterville, OH—PSC (245H)	12-01-86	12-01-87	$ 3.00	25
	12-01-87	02-01-93	4.00	25
	02-01-93	02-01-94	8.00	25
	02-01-94	02-01-95	9.00	25
	02-01-95	02-01-96	10.50	25
	02-01-96	02-01-97	11.50	25
	02-01-97	02-01-98	12.50	25
	02-01-98	02-01-99	14.00	25
	02-01-99	02-01-00	16.00	25
	02-01-00	02-01-01	17.00	25
	02-01-01	02-01-02	17.50	30
	02-01-02	02-01-03	18.00	30
	02-01-03	08-01-04	18.50	30
	08-01-04	02-01-05	19.50	30
	02-01-05	02-01-06	20.50	30
	02-01-06	01-01-07	21.50	30
	01-01-07	02-01-07	21.50	35
	02-01-07	02-01-08	22.50	35
	02-01-08	02-01-09	23.50	35
	02-01-09	02-01-11	24.50	35
	02-01-11	02-01-12	25.50	35
	02-01-12	02-01-13	26.50	35
	02-01-13	02-01-14	27.50	35
	02-01-14	02-01-15	28.50	35
	02-01-15	02-01-16	29.50	35
	02-01-16	02-01-17	30.00	35
	02-01-17	02-01-18	30.50	35
Oxford, MI (224H)	10-01-86	01-01-88	$10.00	25
	01-01-88	01-01-89	10.50	25
	01-01-89	01-01-90	11.00	25
	01-01-90	01-01-91	11.50	25
	01-01-91	01-01-92	12.00	25
	01-01-92	01-01-94	12.75	25
	01-01-94	01-01-95	13.75	25
	01-01-95	01-01-96	14.25	25
	01-01-96	01-01-97	14.75	25
	01-01-97	01-01-98	15.50	25

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
01-01-98	01-01-99	$16.00	25
01-01-99	01-01-00	16.75	25
01-01-00	01-01-01	17.75	25
01-01-01	01-01-02	18.75	25
01-01-02	01-01-03	20.00	25
01-01-03	01-01-04	21.00	25
01-01-04	01-01-05	22.00	25
01-01-05	01-01-06	23.00	25
01-01-06	01-01-07	24.00	25
01-01-07	01-01-08	25.00	25
01-01-08	01-01-11	26.00	30
01-01-11	01-01-16	27.00	30

Eugene, OR (249H)
Decatur, AL (250H—Closed)

The benefit unit below is multiplied by the years after July 1, 1975. For plan years after July 1, 1975 but prior to January 1, 1979, an additional benefit was earned which is determined as 1.4% of any basic monthly earnings in excess of one-twelfth of the Social Security wage base for that year's participation.

Date of Retirement	Benefit Unit	Maximum Years of Participation
01-01-79	$ 5.00	Unlimited
After 01-02-79	10.00	Unlimited
After 09-02-89	10.50	Unlimited
After 09-02-91	11.00	Unlimited
After 09-02-92	11.75	Unlimited
After 09-02-93	12.25	Unlimited
After 09-02-95	13.25	Unlimited
After 09-02-96	14.25	Unlimited
After 09-02-97	15.25	Unlimited
After 09-02-00	16.25	Unlimited
After 09-02-01	16.75	Unlimited
After 09-01-02	17.50	Unlimited
After 03-01-04	18.25	Unlimited
After 09-01-04	19.00	Unlimited
After 09-01-05	19.50	Unlimited
After 09-01-07	21.00	Unlimited
After 09-01-08	22.50	Unlimited
After 09-01-10	24.00	Unlimited
After 09-01-11	25.00	Unlimited
After 09-01-12	26.00	Unlimited
After 09-01-13	27.00	Unlimited
After 09-01-14	28.00	Unlimited
After 09-01-15	29.00	Unlimited
After 09-01-16	30.00	Unlimited
After 09-01-17	30.50	Unlimited

Benefit accrued before July 1, 1975 was at the rate of $5.00 per month per year of service before that date.

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Booneville, MS (180H—Closed, 18001H—Closed)	07-01-88	07-01-89	$ 5.00	25
	07-01-89	07-01-90	6.00	25
	07-01-90	07-01-91	6.50	25
	07-01-91	07-01-92	7.00	25
	07-01-92	07-01-93	8.00	25
	07-01-93	07-01-94	9.00	25
	07-01-94	07-01-95	10.00	25
	07-01-95	07-01-96	11.00	25
	07-01-96	07-01-97	11.50	25
	07-01-97	07-01-98	12.00	25
	07-01-98	07-01-99	13.00	25
	07-01-99	07-01-00	14.00	25
	07-01-00	07-01-01	15.00	25
	07-01-01	07-01-02	16.00	25
	07-01-02	01-01-04	16.50	25
	01-01-04	07-01-07	17.00	25
	07-01-07	07-01-08	18.00	25
	07-01-08	Closed	19.00	25
Greenfield, TN—RAC Cooper (267H)	07-01-90	07-01-91	$ 8.50	25
	07-01-91	07-01-93	9.00	25
	07-01-93	07-01-94	10.00	25
	07-01-94	07-01-95	10.50	25
	07-01-95	07-01-96	11.00	25
	07-01-96	07-01-97	11.50	25
	07-01-97	07-01-98	12.00	25
	07-01-98	07-01-00	13.00	25
	07-01-00	07-01-01	15.00	25
	07-01-01	01-01-04	16.00	25
	01-01-04	07-01-04	17.00	25
	07-01-04	07-01-05	18.00	25
	07-01-05	07-01-06	19.00	25
	07-01-06	01-01-12	20.00	25
	07-01-12	07-01-13	21.00	25
	07-01-13	07-01-16	22.00	25

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Hampshire, IL—GNP (194H)	07-01-93	07-01-95	$ 6.00	25
	07-01-95	07-01-96	7.00	25
	07-01-96	07-01-00	8.00	25
	07-01-00	07-01-04	9.50	25
	07-01-04	01-01-05	10.50	25
	01-01-05	07-01-06	12.50	25
	07-01-06	07-01-07	14.50	25
	07-01-07	07-01-08	15.00	25
	07-01-08	01-01-12	15.50	25
	01-01-12	01-01-14	17.50	25
	01-01-14	01-01-16	18.25	25
Longwood, FL (160H—Closed)	07-01-91	07-01-02	$ 9.00	25
	07-01-02	01-01-04	10.00	25
	01-01-04	Closed	11.00	25
Machesney Park, IL (Rockford)—(332H)	04-25-95	04-01-96	$ 9.00	32
	04-01-96	04-01-97	9.50	32
	04-01-97	04-01-98	10.00	32
	04-01-98	04-01-99	10.50	32
	04-01-99	04-01-00	11.50	32
	04-01-00	04-01-01	12.50	32
	04-01-01	04-01-02	13.75	32
	04-01-02	04-01-03	15.00	32
	04-01-03	10-01-04	16.25	32
	10-01-04	04-01-05	17.50	32
	04-01-05	04-01-06	18.75	32
	04-01-06	04-01-07	19.50	32
	04-01-07	04-01-08	20.75	32
	04-01-08	04-01-10	21.50	32
	04-01-10	04-01-11	22.00	32
	04-01-11	04-01-12	23.00	32
	04-01-12	04-01-13	24.00	32
	04-01-13	04-01-14	25.00	32
	04-01-14	04-01-15	26.00	32
	04-01-15	04-01-16	27.00	32
	04-01-16	04-01-17	28.00	32
	04-01-17	04-01-18	29.00	32

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Oshkosh, WI (348H)	09-01-01	09-01-02	$17.00	25
	09-01-02	03-01-04	18.50	30
	03-01-04	09-01-05	19.50	30
	09-01-05	09-01-06	20.50	30
	09-01-06	01-01-07	21.50	30
	01-01-07	09-01-07	21.50	35
	09-01-07	09-01-08	22.50	35
	09-01-08	09-01-10	23.00	35
	09-01-10	09-01-11	24.00	35
	09-01-11	09-01-12	25.00	35
	09-01-12	09-01-13	26.00	35
	09-01-13	09-01-14	27.00	35
	09-01-14	09-01-15	28.00	35
	09-01-15	09-01-16	29.00	35
	09-01-16	09-01-17	30.00	35
	09-01-17	09-01-18	30.50	35
Alliance, NE—Dayco (505H)	10-20-01	07-01-02	$10.50	Unlimited
	07-01-02	06-01-03	12.50	Unlimited
	06-01-04	12-01-04	14.50	Unlimited
	12-01-04	12-01-05	15.50	Unlimited
	12-01-05	12-01-06	17.50	Unlimited
	12-01-06	12-01-07	18.50	Unlimited
	12-01-07	12-01-08	20.50	Unlimited
	12-01-08	08-01-11	21.50	Unlimited
	12-01-12	12-01-13	23.00	Unlimited
	12-01-13	12-01-14	24.00	Unlimited
	12-01-14	12-01-15	25.00	Unlimited
	12-01-16	12-01-17	26.00	Unlimited
	12-01-17	12-01-18	27.00	Unlimited
Davenport, IA—Dayco (508H)	10-20-01	10-01-02	$ 6.00	Unlimited
	10-01-02	04-01-04	12.00	Unlimited
	04-01-04	10-01-05	14.00	Unlimited
	10-01-05	10-01-06	16.00	Unlimited
	10-01-06	10-01-07	18.00	Unlimited
	10-01-07	10-01-08	20.00	Unlimited
	10-01-08	10-01-11	21.00	Unlimited
	10-01-12	10-01-13	22.00	Unlimited
	10-01-13	10-01-14	23.00	Unlimited
	10-01-14	10-01-15	25.00	Unlimited
	10-01-15	10-01-16	26.00	Unlimited

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Houston, TX—Dayco (510H)	10-20-01	11-01-02	$ 8.00	Unlimited
	11-01-02	05-01-04	12.00	Unlimited
	05-01-04	11-01-04	13.00	Unlimited
	11-01-04	05-01-05	14.00	Unlimited
	05-01-05	05-01-06	15.00	Unlimited
	05-01-06	05-01-07	15.50	Unlimited
	05-01-07	05-01-08	16.50	Unlimited
	05-01-08	05-01-11	17.50	Unlimited
	05-01-11	05-01-12	18.50	Unlimited
	05-01-12	05-01-13	20.00	Unlimited
	05-01-13	05-01-14	21.00	Unlimited
	05-01-14	05-01-15	22.00	Unlimited
	05-01-15	05-01-16	23.00	Unlimited
	05-01-16	05-01-17	24.00	Unlimited
McCook, NE—Dayco (514H)	10-20-01	03-01-02	$ 9.50	Unlimited
	03-01-02	04-01-04	11.50	Unlimited
	04-01-04	10-01-04	12.50	Unlimited
	10-01-04	10-01-05	13.50	Unlimited
	10-01-05	10-01-06	15.00	Unlimited
	10-01-06	10-01-07	16.50	Unlimited
	10-01-07	10-01-08	17.50	Unlimited
	10-01-08	10-01-10	18.50	Unlimited
	10-01-10	10-01-11	20.00	Unlimited
	10-01-11	10-01-12	22.00	Unlimited
	10-01-12	10-01-13	23.00	Unlimited
	10-01-13	10-01-14	24.00	Unlimited
	10-01-14	10-01-15	26.00	Unlimited
	10-01-15	10-01-16	27.00	Unlimited

Retiree Medical Account (RMA) Benefit	In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.
Early Retirement	Eligibility is attainment of age 55 and completion of 10 years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or (B) Immediate payments equal to (A), but reduced by 0.5% for each month under age 65 when benefits begin. (C) In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix. (D) If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.
Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing three years of service (five years prior to July 1, 2008). (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of three years of service providing the participant and spouse have been married at least one year at the death of the participant (five years prior to July 1, 2008).

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time (“Millennium”) pension increase. The Millennium increase amounts are summarized in the Appendix.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Former Bertea Employees

Participants who were employed by the Bertea unit on or before June 30, 1981 are entitled to benefits based on the greater of (A) and (B) below:

(A) The benefit unit multiplied by the years of participation.

(B) The sum of (i) and (ii) below:

(i) The Bertea monthly plan benefit for service prior to July 1, 1989.

(ii) The benefit unit multiplied by the years of participation earned after June 30, 1989.

Salary Related Benefit Formula

The employees at the following locations receive the larger of their benefit based on the benefit units discussed previously or a salary related formula:

Effective Date	Location
07-01-97	Irvine, CA (002 **H, 071**H, 083**H)
07-01-97	Lexington, KY (014**H)
07-01-97	Ogden, UT (1090014)
07-01-97	Phoenix, AZ (12300H)
07-01-97	Glendale, AZ (2360014, 23601 H)
07-01-02	Elyria, OH (Airborne) (129001 1)
07-01-03	Avon, OH (0810014)
07-01-03	Clyde, NY (02800H)

The salary related formula is as follows:

The monthly benefit for service earned after the effective date above is equal to 26.25% of average monthly compensation up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years (earned after the effective date above) in excess of 35 (maximum five years).

A minimum benefit based on the previous benefit unit table below times base service (maximum 40 years) will be paid. Social Security covered compensation is the average of the taxable wage bases under Social Security during the 35 years ending with the employee's Social Security retirement age.

Average Monthly Compensation	Average of the highest five consecutive calendar years compensation including base salary, bonuses, overtime, incentive, etc., but excluding other compensation such as overseas allowances or moving expenses. Compensation exceeding the IRC section 401(a)(17) limit in the year of retirement or termination ($200,000 retroactively starting with the 2002 plan year) will be excluded when the average monthly compensation is determined.

Changes in Plan Provisions Since the Prior Year

- Multiple locations had an increase in benefit unit and/or increase in maximum years of participation.

Former Berea, Kentucky Hourly-Wage Employees Pension Plan (Sub Plan 002)

Effective Date	August 1, 1968, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of benefit, respectively. Service is credited from date of hire to retirement. (A) Years of service. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 170 hours of service. (B) Years of participation. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1.700 hours. If less than 1,700 hours, then 0.1-year credit will be granted for each full 170 hours of service.
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown).

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
07-01-76	06-16-77	$ 6.00[1]	30
06-16-77	07-01-78	6.75	30
07-01-78	06-16-79	7.25[1]	30
06-16-79	07-01-80	8.00	30
07-01-80	07-01-81	8.50[2]	30
07-01-81	06-16-82	9.00	30
06-16-82	06-16-83	9.50[2]	31
06-16-83	06-16-84	10.00	32
06-16-84	06-16-85	10.50	32
06-16-85	06-16-86	11.00	32
06-16-86	06-16-87	11.50	34
06-16-87	06-16-88	12.00	35
06-16-88	06-16-89	12.50	36
06-16-89	06-16-90	13.00	37
06-16-90	06-15-91	13.50	38
06-15-91	06-15-92	14.00	39
06-15-92	06-15-93	14.50	40
06-15-93	06-16-94	15.00	40
06-16-94	06-16-95	16.25	40
06-16-95	06-16-96	17.00	40
06-16-96	06-16-97	17.50	40
06-16-97	06-16-98	18.25	40
06-16-98	06-16-99	19.00	40
06-16-99	06-17-00	20.50	40
06-17-00	06-16-01	20.50	41
06-16-01	06-16-02	21.50	42
06-16-02		22.50	43
Closed			

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced (by 0.5% from age 55 to age 60 and 0.333% from age 60 to age 62, and 0.25% from age 62 to age 65) for each month under age 65 when benefits begin.

[1] Benefits will be increased by $0.75 per year of service beginning on June 16 of the year following retirement.
[2] Benefits will be increased by $0.50 per year of service beginning on June 16 of the year following retirement.

Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced as for early retirement for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 75%, or 100 joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Wickliffe, Ohio Hourly-Wage Employees Pension Plan (Sub-Plan 011)

Effective Date	May 1, 1966, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 2000. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 150 hours of service. (B) Years of service after July 1, 2000. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 2000. Credited for each plan year that the participant has earned 1,800 hours. If less than 1,800 hours, then one-twelfth year credit will be granted for each 150 hours of service. (D) Years of participation after July 1, 2000. One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown.)

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
05-01-76	09-15-76	$ 8.25	35
09-15-76	09-15-77	8.75	35
09-15-77	09-15-78	9.25	35
09-15-78	09-15-79	10.00	36
09-15-79	09-16-80	10.50	37
09-16-80	09-16-81	11.00	37
09-16-81	09-15-82	12.00	37
09-15-82	09-15-83	12.75	38
09-15-83	09-15-84	13.50	38
09-15-84	09-15-85	14.00	40
09-15-85	09-15-86	14.50	40
09-15-86	09-15-87	15.00	40
09-15-87	09-15-88	15.50	40
09-15-88	09-15-89	16.00	40
09-15-89	09-15-90	16.50	40
09-15-90	09-15-91	17.00	40
09-15-91	09-15-92	17.50	40
09-15-92	09-15-93	18.00	40
09-15-93	09-15-94	18.50	40
09-15-94	09-15-95	19.00	40
09-15-95	09-15-96	19.50	40
09-15-96	09-15-97	20.00	41
09-15-97	09-15-98	20.50	42
09-15-98	09-15-99	21.25	43
09-15-99	09-15-00	22.00	43
09-15-00	09-15-01	23.00	43
09-15-01	09-14-02	24.00	43
09-14-02	09-15-03	27.00	43
09-15-03	09-13-04	30.00	43
09-13-04	09-12-05	31.00	43
09-12-05	09-18-06	34.00	43
09-18-06		35.00	43
Closed			

Early Retirement	Eligibility is attainment of age 60 and completion of 10 years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or (B) Immediate payments equal to (i), but reduced (by 0.333% from age 60 to age 62 and 0.25% per month age 62 to age 65) for each month under age 65 when benefits begin.
Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 60 equal to the normal pension accrued to the date of termination, but reduced by 0.333% for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. Special benefits for participants eligible to retire or who are age 55 with 25 years of service. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 60 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement or age 55 with 25 years of service Immediate payments equal to 65% of the pension payable the date of death assuming the participant retired the day before death and elected immediate early retirement (actuarial reduction from age 65 for those not eligible for early retirement).

Forms of Payment

Any participant retiring under the Plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Minneapolis, MC Hourly-Wage Employees Pension Plan (Sub-Plan 019)

Effective Date	June 1, 1962, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 2001. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 170 hours of service. (B) Years of service after July 1, 2001. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 2001. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,700 hours. If less than 1,700 hours, then 0.1-year credit will be granted for each full 170 hours of service. (D) Years of participation after July 1, 2001. One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.

Normal Retirement

Eligibility is age 65 and completion of five years of service.

The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown):

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
07-01-76	01-01-77	$ 6.00	25
01-01-77	01-01-78	7.00	25
01-01-78	01-01-79	8.00	25
01-01-79	12-15-79	9.00	25
12-15-79	12-15-80	9.50	25
12-15-80	12-15-81	10.00	25
12-15-81	02-01-84	10.50	25
02-01-84	02-01-85	11.00	25
02-01-85	02-01-87	11.50	25
02-01-87	02-01-88	12.00	25
02-01-88	02-01-89	12.50	25
02-01-89	02-01-90	13.00	25
02-01-90	02-01-91	13.50	25
02-01-91	02-01-92	14.00	25
02-01-92	02-01-93	14.50	25
02-01-93	02-01-94	15.00	25
02-01-94	02-01-95	16.00	25
02-01-95	02-01-96	16.50	26
02-01-96	02-01-97	17.25	28
02-01-97	02-01-98	18.00	30
02-01-98	02-01-99	19.00	35
02-01-99	02-01-00	20.00	36
02-01-00	02-01-01	21.00	37
02-01-01	02-01-02	24.00	38
02-01-02	02-01-03	26.00	39
02-01-03		28.00	40
Closed			

Early Retirement

Eligibility is attainment of age 60 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

	(B) Immediate payments equal to (A), but reduced by 0.6% for each month under age 65 when benefits begin.
Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 60 equal to the normal pension accrued to the date of termination, but reduced by 0.6% for each month under age 65 when benefits begin.
Spouse Pension	Eligibility is upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 60 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Retirement Plan (Sub-Plan 050)

Effective Date	June 10, 1953, as restated July 1, 2007 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All salaried employees at locations covered by the plan will become plan participants on the first day of the month after they have had 12 continuous months of employment (and worked 1,000 hours in a 12-month period).
Vesting Service	Prior to June 30, 1976, vesting service was based on continuous and uninterrupted employment, and after that date a year's credit is given for each 12-month period (beginning on July 1 each year) of employment. Prorated service is granted (to the nearest one-tenth) for periods less than a full year.
Benefit Service	Continuous and uninterrupted employment as an eligible employee up to June 30, 1976, plus credit after that date for each one-tenth of a year of employment during which the employee is eligible to receive benefit service credit (used to determine the amount of the benefit determined under the salary formula).
Basic Service	Continuous and uninterrupted employment as an eligible employee up to June 30, 1976 plus a full year's credit for each plan year thereafter in which at least 1,700 hours of service are performed. If less than 1,700 hours are worked during a year, then fractional credit to nearest one-tenth is granted for each 170 hours worked (used to determine the minimum benefit).
Average Monthly Compensation	Average of the highest five consecutive calendar years compensation including base salary, bonuses, overtime, incentive, etc., but excluding other compensation such as overseas allowances or moving expenses. Compensation exceeding the IRC section 401(a)(17) limit in the year of retirement or termination ($200,000 retroactively starting with the 2002 plan year) will be excluded when the average monthly compensation is determined.

Normal Retirement

Eligibility is attainment of age 65.

The monthly benefit is equal to 26.25% of average monthly compensation up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years). A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid. The portion of benefit payable for service prior to July 1, 1976 cannot be less than the monthly amount actuarially equivalent to the value of the profit sharing balance at age 65. Social Security covered compensation is the average of the taxable wage bases under Social Security during the 35 years ending with the employee's Social Security retirement age.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of vesting service.

Benefit is equal to either: (i) Deferred benefit payable at age 65 equal to the normal pension but using average monthly compensation at time of early retirement and using his years of service only to the retirement date, or (ii) An immediate pension equal to (i) but reduced 0.5% for each month that early retirement precedes normal retirement date.

	In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix. If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.
Termination	Eligible after three or more years of vesting service (five years prior to July 1, 2008). Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Prior Profit Sharing Plan	All participants in the Profit Sharing Plan, which was converted to this plan on June 30, 1976, are fully vested in their account balance on that date. Thereafter, the account balance (with interest at 6% per year) will be paid to the employee (or beneficiary) at his retirement, termination or death. Payment of the account balance at retirement or termination (or a withdrawal or transfer of the account balance to the Parker Savings Plan before retirement or termination) will actuarially reduce the pension payable from the plan. The actuarial reduction for this purpose is determined using the UP 1984 Unisex Mortality Table and a 6% interest rate.
Preretirement Spouse’s Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before he died, taken early retirement, and accepted the 50% joint and survivor option.
Post Termination Spouse’s Benefit	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his date of death.

	If the former employee dies after the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had commenced payments the day before he died and accepted the 50% joint and survivor option. If the former employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments on his fifty-fifth birthday under the 50% joint and survivor option.
Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time (“Millennium”) pension increase. The Millennium increase amounts are summarized in the Appendix.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options are available: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Participants on June 30, 1994

Employees who were participants in the Parker Hannifin Corporation Retirement Plan as of June 30, 1994 are entitled to benefits based on the greater of (A) and (B) below:

(A) The monthly benefit based on the normal retirement formula as outlined above for all years of benefit service.

(B) The sum of (i) and (ii) below:

(i) The monthly benefit accrued as of June 30, 1994 for years of benefit service prior to July 1, 1994.

(ii) The monthly benefit based on the normal retirement formula as outlined above for years of benefit service after June 30, 1994.

Changes in Plan Provisions Since the Prior Year

None.

Former Wake Forest, NC Hourly-Wage Employees Pension Plan (Sub-Plan 102)

Effective Date	January 1, 1968, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at the Wake Forest, NC, Los Angeles, CA, or Livonia, MI locations will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service. Beginning on January 1, 1976, one year shall be credited for each calendar year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 100 hours of service. (B) Years of participation. Beginning on January 1, 1976, one year shall be credited for each calendar year that the participant has earned 1,700 hours. If less than 1,700 hours, then 0.1-year credit will be granted for each full 170 hours of service.
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation service (to a maximum of the years shown).

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
01-01-68	09-24-82	$ 4.00	30
09-24-82	09-28-85	6.50[3]	30
09-28-85	01-01-88	8.00[4]	30
01-01-88	10-01-88	10.00	30
10-01-88	10-01-89	10.75	30
10-01-89	10-01-90	11.25	30
10-01-90	10-01-91	11.75	30
10-01-91	10-01-92	12.50	30
10-01-92	10-01-93	13.25	30
10-01-93	10-01-94	13.75	30
10-01-94	10-01-95	14.50	30
10-01-95	10-01-96	15.50	31
10-01-96	10-01-97	16.00	32
10-01-97	10-01-98	16.50	33
10-01-98	10-01-99	17.50	34
10-01-99	10-01-00	18.75	34
10-01-00	Closed	19.50	35

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced by 0.5% for each month under age 65 when benefits begin.

Disability Retirement

Eligible upon total and permanent disability following completion of 10 years of service.

Immediate payments equal to normal pension accrued to date of disability.

Termination

Eligible upon termination of employment after completing five years of service.

[3] Participants retiring on or after September 24, 1982 will be paid the $8.00 benefit unit beginning January 1, 1986 including retroactive payments from their actual retirement.

[4] Participants retiring on or after September 28, 1985 will be paid the $10.00 benefit unit beginning January 1, 1988 including retroactive payments from their actual retirement.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant.

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment

Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Changes in Plan Provisions Since the Prior Year

None.

Former Akron, PH (Morgan Ave.) Hourly-Wage Employees Pension Plan (Sub-Plan 103)

Effective Date	April 14, 1965, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants following completion of one year of service.
Service	(A) Years of service are credited on an elapsed time basis to the nearest 0.1 year. (B) Years of participation are credited on an elapsed time basis to the nearest 0.1 year.
Normal Retirement	Eligibility is age 65 and five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
11-01-76	11-01-78	$ 7.00
11-01-78	11-01-79	$ 8.00
11-01-79	11-01-80	$ 9.00
11-01-80	11-01-81	$ 9.50
11-01-81	01-01-86	$10.00
01-01-86	11-01-87	$12.00[5]
11-01-87	11-06-88	$13.00[6]
11-06-88	11-06-89	$13.75[7]
11-06-89	11-05-90	$14.25[8]

[5] Participants retiring on or after November 1, 1981 will be paid the $12.00 benefit unit beginning January 1, 1986 including retroactive payments from their actual retirement.
[6] Participants retiring on or after November 4, 1985 will be paid the $13.00 benefit unit beginning November 1, 1987 including retroactive payments from their actual retirement.
[7] Participants retiring on or after November 7, 1988 will be paid the $14.25 benefit unit beginning November 6, 1989 including retroactive payments from their actual retirement.
[8] Participants retiring on or after November 6, 1989 will be paid the $14.75 benefit unit beginning November 5, 1990 including retroactive payments from their actual retirement.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
11-05-90	11-02-91	$14.75
11-02-91	11-01-92	$15.00
11-01-92	11-01-93	$15.75
11-01-93	11-01-94	$16.50
11-01-94	11-01-95	$17.25
11-01-95	11-01-96	$18.00
11-01-96	11-03-97	$18.75
11-03-97	11-03-98	$19.75
11-03-98	11-03-99	$20.75
11-03-99	11-03-00	$21.75
11-03-00	11-03-01	$22.75
11-03-01	11-03-02	$24.75
11-03-02	11-02-03	$26.00
11-02-03	11-07-04	$27.25
11-07-04	Closed	$28.50

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced by 0.5% per month under age 65 for early commencement.

Note: *Retroactive benefits will be paid to eligible early retirees.*

Disability Retirement

Eligible upon total and permanent disability following completion of age 40 and 10 years of service. (The age 40 requirement is deleted effective November 4, 1985.)

Immediate payments equal to normal pension accrued to date of disability.

Note: *Retroactive benefits will be paid to eligible disabled employees.*

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.

Note: *Terminated employees are not eligible for the increased retroactive benefits.*

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant.

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment

Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Changes in Plan Provisions Since the Prior Year

None.

Former Akron, OH (Home Ave.) Hourly-Wage Employees Pension Plan (Sub-Plan 104)

Effective Date	January 1, 1966, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants following completion of one year of service.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service. Beginning on the effective date, one year shall be credited for each calendar year that the participant has earned 1,000 hours. If less than 1,000 hours, then one-year credit will be granted for each full 100 hours of service. (B) Years of participation. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 100 hours of service.
Normal Retirement	Eligibility is age 65 and five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-76	10-01-76	$ 5.50
10-01-76	10-01-77	$ 6.00
10-01-77	10-01-78	$ 7.00
10-01-78	10-01-79	$ 7.50
10-01-79	10-01-80	$ 8.00
10-01-80	10-01-83	$ 9.00
10-01-83	09-01-87	$10.50[9]
09-01-87	10-01-88	$12.00
10-01-88	10-01-89	$12.50
10-01-89	10-08-90	$13.25
10-08-90	10-06-91	$14.00
10-06-91	10-04-92	$14.50
10-04-92	10-04-93	$15.00
10-04-93	10-03-94	$15.75
10-03-94	10-07-96	$16.25
10-07-96	10-06-97	$17.75
10-06-97	10-05-98	$18.50
10-05-98	10-01-99	$19.50
10-01-99	10-01-00	$20.50
10-01-00	09-30-01	$22.50
09-30-01	10-06-02	$23.50
10-06-02	10-05-03	$24.50
10-05-03	10-04-04	$25.50
10-04-04	10-03-05	$26.50
10-03-05	10-02-06	$27.50
10-02-06	10-01-07	$28.50
10-01-07	10-06-08	$29.50
10-06-08	10-05-09	$30.50
10-05-09	10-04-10	$31.50
10-04-10	10-03-11	$32.50
10-03-11	10-03-12	$33.50
10-03-12	10-04-15	$37.00
04-28-16	Closed	$38.00

[9] Participants retiring on or after October 1, 1984 will be paid the $12.00 benefit unit beginning September 1, 1987 including retroactive payments from their actual retirement.

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced actuarially for commencement prior to age 65 as set forth below:

Commencement Age	Early Commencement Factor
55	0.4025
56	0.4380
57	0.4771
58	0.5205
59	0.5686
60	0.6220
61	0.6816
62	0.7480
63	0.8225
64	0.9060
65	1.0000

Note: *Retroactive benefits will be paid as for normal retirement.*

Disability Retirement

Eligible upon total and permanent disability following completion of 10 years of service.

Immediate payments equal to normal pension accrued to date of disability.

Note: *Retroactive benefits will be paid as for normal retirement.*

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced actuarially for commencement prior to age 65.

	Note: *Terminated employees are not eligible for the increased retroactive benefits.*
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected immediate early retirement with the 50% joint and survivor benefit.
Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiaries) when the benefits begin.

Changes in Plan Provisions Since the Prior Year

None.

Former Forest, Ohio Hourly-Wage Employees Pension Plan (Sub-Plan 112)

Effective Date	May 16, 1969, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they are hired. Effective May 30, 2003, the Forest, OH plant closed. All current active participants were terminated and future plan participation was frozen.
Service	Years of service and participation are used to determine the eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 2000. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 100 hours of service. (B) Years of service after July 1, 2000. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 2000. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,615 hours. If less than 1,615 hours, then 0.1-year credit will be granted for each full 170 hours of service. (D) Years of participation after July 1, 2000. One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.
Normal Retirement	Eligibility is age 65 and completion of five years of service.

The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
After	**Before**	**Benefit Unit**
05-16-69	07-01-81	$10.75
07-01-81	07-01-82	$14.00
07-01-82	07-01-83	$14.75
07-01-83	07-01-85	$15.50
07-01-85	07-01-86	$16.00
07-01-86	07-01-87	$16.50
07-01-87	07-01-88	$17.00
07-01-88	07-01-89	$17.50
07-01-89	11-15-93	$18.00
11-15-93	05-15-95	$19.00
05-15-95	05-15-96	$19.50
05-15-96	11-25-96	$20.00
11-25-96	05-17-98	$21.00
05-17-98	05-16-99	$22.00
05-16-99	05-15-00	$22.75
05-15-00	05-15-01	$24.00
05-15-01	05-13-02	$25.00
05-13-02		$25.75
Closed		

Early Retirement

Eligibility is attainment of age 60 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced by 0.5% for each month under age 62 when benefits begin.

Disability Retirement

No disability benefit applies.

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 60 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. Participants who fail to meet these eligibility requirements will receive a lump sum death benefit payable to the estate of $250 multiplied by the years of participation.

(A) Participant not eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 55% joint and survivor benefit (Option A). The benefits are reduced ½% per month from age 62 for early commencement if the employee was between the ages of 60 and 62 at date of death. If the employee was less than age 60 at date of death, the benefits are reduced 12% for early commencement.

(B) Participant eligible for early retirement.

Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 55% joint and survivor benefit (Option A).

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a 55% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 55% or 100% joint and survivor ▪ 5 or 10-year certain and life Any form of payment other than a life annuity and joint and survivor options will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1983 Group Annuity Mortality Table (adjusted for 50% male and 50% female content) and a 7% interest rate.
Special Medicare Reimbursement Benefit	To compensate for Medicare Part B premiums, the benefit payable to any retiree or surviving spouse is increased by $20 per month upon attainment of age 65.
Special Termination Benefits	Active employees at the time of the May 30, 2003 plant closing became eligible for the following additional benefits: ▪ Unreduced retirement at age 60 for participants age 60 and over with 10 or more years of service; ▪ An additional five years of service for participants hired after October 8, 1989 with five or more years of service; ▪ Additional years of service to get to five years of total service for participants with less than five years of service.

Changes in Plan Provisions Since the Prior Year

None.

Former Lebanon, IN Hourly-Wage Employees Pension Plan (Sub-Plan 115)

Effective Date	January 1, 1964, as restated July 1, 2007 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they have completed one year of service.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to retirement or other termination of employment. (A) Years of service are credited on an elapsed time basis to the nearest one-twelfth of a year. (B) Years of participation are credited on an elapsed time basis to the nearest one-twelfth of a year (based on continuous service).
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
After	**Before**	**Benefit Unit**
01-01-64	04-01-67	$ 2.00
04-01-67	11-01-84	$13.00
11-01-84	11-01-86	$13.50[10]
11-01-86	11-01-87	$14.50[1]
11-01-87	11-01-88	$15.00[1]
11-01-88	11-01-89	$15.25[1]
11-01-89	10-20-90	$15.50[1]
10-20-90	10-19-91	$16.25
10-19-91	10-24-92	$16.75
10-24-92	11-01-93	$17.25[11]
11-01-93	11-02-94	$18.25[2]
11-02-94	11-01-95	$19.00[2]
11-01-95	11-01-96	$19.50[2]
11-01-96	11-01-97	$20.25[2]
11-01-97	11-01-98	$21.00[2]
11-01-98	11-01-99	$21.75[2]
11-01-99		$22.50
Closed		

Early Retirement

Eligibility is attainment of age 55.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but actuarially reduced for each month under age 65 when benefits begin.

[10] $2.00 benefit unit for service before April 1, 1967.

[11] Participants retiring at any time during a contract period will receive the benefit in effect at the end of the period when those increases occur.

Age	Reduction Factor
55	0.411
56	0.445
57	0.483
58	0.525
59	0.571
60	0.623
61	0.681
62	0.747
63	0.821
64	0.905
65	1.000

Disability Retirement

Eligible upon total and permanent disability following completion of 10 years of service.

Immediate payments equal to normal pension accrued to date of disability.

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but actuarially reduced as set forth in the “Early Retirement” section for each month under age 65 when benefits begin.

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant.

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement is eligible for the following alternatives:

(i) Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit option.

(ii) 60 guaranteed payments of 100% of the normal pension accrued to the date of death.

(iii) 120 guaranteed payments of 50% of the normal pension accrued to the date of death.

Forms of Payment

Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Any form of payment other than a life annuity will he reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Tell City, IN Hourly-Wage Employees Pension Plan (Sub-Plan 116)

Effective Date

January 1, 1964, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.

Eligibility

All hourly, bargaining employees at this location will become plan participants when they have completed one year of service.

Service

Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to retirement or other termination of employment.

(A) Years of service are credited on an elapsed time basis to the nearest 0.1 year.

(B) Years of participation are credited on an elapsed time basis to the nearest 0.1 year.

Normal Retirement

Eligibility is age 65 and completion of five years of service.

The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-64	05-01-82	
05-01-82	05-01-85	$ 8.00
05-01-85	05-01-86	$ 9.50
05-01-86	05-01-87	$ 9.85
05-01-87	05-01-88	$10.15
05-01-88	04-16-89	$10.50
04-16-89	04-16-90	$11.00
04-16-90	05-01-91	$11.50
05-01-91	05-01-92	$12.00
05-01-92	05-01-93	$12.75[12]
05-01-93	05-01-94	$13.50[1]
05-01-94	05-01-95	$14.25[1]

[12] Participants retiring at any time during a contract period will receive the benefit in effect at the end of the period when those increases occur.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
05-01-95	05-01-96	$15.00
05-01-96	05-01-97	$15.50
05-01-97	05-01-98	$16.25
05-01-98	05-01-99	$17.00
05-01-99	05-01-00	$17.50
05-01-00	05-01-01	$18.00
05-01-01	05-01-02	$19.00
05-01-02	05-01-03	$19.75
05-01-03	05-01-04	$20.50
05-01-04	05-01-05	$21.25
05-01-05	05-01-06	$22.25
05-01-06	04-30-07	$22.75
04-30-07	04-28-08	$23.25
04-28-08	04-29-09	$23.75
04-29-09	05-01-10	$24.25
05-01-10	05-02-11	$24.75
05-02-11	04-30-12	$25.25
04-30-12	08-05-13	$25.50
08-05-13	08-04-14	$25.90
08-04-14	08-03-15	$26.30
08-03-15	08-01-16	$26.70
08-01-16	03-12-17	$27.00
03-13-17	03-11-18	$27.50
03-12-18	03-10-19	$27.90
03-11-19	03-08-20	$28.30
03-09-20		$28.65

Early Retirement

Eligibility is attainment of age 55.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but actuarially reduced for each month under age 65 when benefits begin as set forth below:

Commencement Age	Commencement Early Factor
55	0.4110
56	0.4450
57	0.4830
58	0.5250
59	0.5710
60	0.6230
61	0.6810
62	0.7470
63	0.8210
64	0.9050
65	1.0000

Disability Retirement

Eligible upon total and permanent disability following completion of 10 years of service.

Immediate payments equal to the normal retirement pension based on service accrued to date of disability plus future service from date of disability to age 65, reduced actuarially for commencement prior to age 65.

Termination

Eligible upon termination of employment after completing five years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or

(B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but actuarially reduced for each month under age 65 when benefits begin.

Spouse Pension

Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant.

(A) Participant not eligible for early retirement.

Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(B) Participant eligible for early retirement is eligible for the following alternatives:

(i) Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

(ii) 60 guaranteed payments of 100% of the normal pension accrued to the date of death.

(iii) 120 guaranteed payments of 50% of the normal pension accrued to the date of death.

Forms of Payment

Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election).

Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 25%, 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

- Increase in benefit unit and/or increase in the maximum years of participation.

Former Canton, PA Hourly-Wage Employees Pension Plan (Sub-Plan 117)

Effective Date	July 1, 1987, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly, bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of such benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,000 hours. If less than 1,000 hours, then 0.1-year credit will be granted for each full 170 hours of service. Effective July 1, 2005, the plan was amended to calculate years of service based on elapsed time. (B) Years of participation. Beginning on the effective date, one year shall be credited for each plan year that the participant has earned 1,700 hours. If less than 1,700 hours, then 0.1-year credit will be granted for each full 170 hours of service. Effective July 1, 2005, the plan was amended to calculate years of participation based on elapsed time.
Normal Retirement	Eligibility is age 65 and completion of five years of service. The monthly benefit is the benefit unit below multiplied by the years of participation (to a maximum of the years shown).

Date of Retirement			Maximum
On or After	But Before	Benefit Unit	Years of Participation
07-01-87	07-01-88	$13.00	35
07-01-88	07-01-89	13.50	35
07-01-89	07-01-90	14.00	35
07-01-90	07-01-91	14.50	36
07-01-91	07-01-92	15.00	37
07-01-92	07-01-93	15.50	38
07-01-93	07-01-94	16.00	39
07-01-94	07-01-95	16.50	40
07-01-95	07-01-96	17.00	40
07-01-96	07-01-97	18.00	41
07-01-97	07-01-98	18.50	42
07-01-98	07-01-99	19.00	43
07-01-99	07-01-00	20.50	43
07-01-00	07-01-01	21.50	43
07-01-01	07-01-02	22.50	43
07-01-02	07-01-03	25.50	43
07-01-03	07-01-04	26.50	43
07-01-04	05-02-05	27.50	43
05-02-05	05-02-06	28.50	45
05-02-06	05-07-07	29.50	45
05-07-07	04-21-08	31.50	45
04-21-08	04-20-09	35.00	50
04-20-09	04-19-10	35.50	50
04-19-10		36.00	50
Closed			

Note: *Benefit for service prior to the effective date is offset by the vested benefit earned from IAM Plan A.*

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of service.

(A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

(B) Immediate payments equal to (A), but reduced by 0.5% for each month under age 65 when benefits begin.

Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of termination; or (B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 75%, or100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Green Camp, OH Hourly-Wage Employees Pension Plan (Sub-Plan 123)

Effective Date	January 1, 1985, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly bargaining employees at this location will become plan participants when they are hired.
Service	Years of service and participation are used to determine eligibility for benefits and the amount of benefits, respectively. Service is credited from date of hire to date of retirement or other termination of employment. (A) Years of service prior to July 1, 1998. Beginning on July 1, 1989, one year shall be credited for each plan year that the participant has earned 1,000 hours. (B) Years of service after July 1, 1998. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year. (C) Years of participation prior to July 1, 1998. Beginning July 1, 1989, one year shall be credited for each plan year that the participant has earned 1,600 hours. If less than 1,600 hours, then 0.1-year credit will be granted for each full 1.60 hours of service. (D) Years of participation after July 1, 1998. One year of participation for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.
Normal Retirement	Eligible at age 65. The monthly benefit is the benefit unit below multiplied by the years of participation (no limit on years of participation).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-85	08-03-89	$10.00
08-03-89	08-06-90	$10.75
08-06-90	08-05-91	$11.25
08-05-91	08-03-92	$12.00
08-03-92	08-01-93	$13.00
08-01-93	08-01-94	$13.75
08-01-94	08-01-95	$14.50
08-01-95	08-01-96	$15.50
08-01-96	08-01-97	$16.50
08-01-97	08-01-98	$17.00
08-01-98	08-01-99	$20.00
08-01-99	08-01-00	$20.50
08-01-00	06-25-01	$21.00
06-25-01	08-03-02	$23.00
08-03-02	08-02-03	$24.00
08-02-03		$25.00
Closed		

Early Retirement

Eligible upon completion of 30 years of service or attainment of age 55 and completion of 10 years of service, with at least five years of service earned while an employee of Stratoflex, Inc. or Parker Hannifin Corporation.

(A) Benefits payable for retirement under age 62 and 10 years of service or any age and 30 years of service eligibility.

Immediate unreduced payments beginning at retirement equal to normal pension accrued to the date of retirement.

(B) Benefits payable for retirement under age 55 and 10 years eligibility.

(i) Deferred payments beginning at age 65 equal to the normal pension accrued to the date of retirement; or

	(ii) Immediate payments equal to (i), but reduced by 0.5% for each month under age 65 when benefits begin.
Disability Retirement	Eligible upon total and permanent disability following completion of 10 years of service. Immediate payments equal to normal pension accrued to date of disability.
Termination	Eligible upon termination of employment after completing five years of service. (A) Deferred payments beginning at age 65 equal to the normal pension: accrued to the date of termination; or (B) Deferred payments beginning as early as age 55 equal to the normal pension accrued to the date of termination, but reduced by 0.5% for each month under age 65 when benefits begin.
Spouse Pension	Eligible upon completion of five years of service providing the participant and spouse have been married at least one year at the death of the participant. (A) Participant not eligible for early retirement. Deferred payments beginning when the participant would have been age 55 equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit. (B) Participant eligible for early retirement. Immediate payments equal to the normal pension accrued to the date of death assuming the participant retired the day before death and elected early retirement with the 50% joint and survivor benefit.

Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including a life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity. Other options available are: ▪ 50%, 66⅔%, 75%, or 100% joint and survivor ▪ 10-year certain and life Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the 1994 Group Annuity Reserving Table and a 7% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Former Greenville, Tennessee Retirement Plan (Sub-Plan 126)

Effective Date	April 5, 1993, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All salaried, hourly and sales employees became participants on the day they were hired. This plan covers only those employees who were participants on the effective date.
Years of Vesting Service	Before April 5, 1993, years of vesting service are credited according to the TRW Salaried Pension Plan. After April 4, 1993, years of vesting service are credited for each year and partial month of employment with the employer.
Years of Benefit Service	Accrued in the same manner as years of vesting service.
Normal Retirement Date	The date on which an employee attains age 65.
Earnings	The average monthly compensation during the five consecutive calendar years which produces the highest average.
Covered Compensation	Covered compensation is the 35-year monthly average of an employee's taxable wages under Social Security assuming maximum earnings each year during his career.
Normal Retirement	Eligibility is age 65 (normal retirement). The monthly benefit is the greater of (A) and (B): (A) The amount is determined as follows: (i) 1.5% of earnings times years of benefit service (to a maximum of 35 years); plus (ii) 1.33% of earnings times years of benefit service in excess of 35 years; minus (iii) 0.4% of earnings (to a maximum of covered compensation) times years of benefit service (to a maximum of 35 years).

(B) $20 times years of benefit service.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Early Retirement

Eligibility is age 55 with at least 10 years of benefit service.

The early retirement benefit payable prior to age 62 is the accrued normal retirement benefit determined without the offset in (A)(iii) above, reduced by ⅓% per month for each month the benefit commencement date precedes the date of the participant's sixtieth birthday.

The early retirement benefit payable over age 62 up to age 65 is the accrued normal retirement benefit with no reduction.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement, The main provisions of the TPS are summarized in the Appendix.

Termination

Eligibility is three or more years of vesting service (five years prior to July 1, 2008).

The deferred vested benefit payable prior to age 62 is the accrued normal retirement benefit determined without the offset in (A)(iii) above, reduced by 5/9% per month between ages 60 and 65 and reduced actuarially between ages 55 and 60 for each month the benefit commencement date precedes the participant's normal retirement date.

	The deferred vested benefit payable at age 62 is the accrued normal retirement benefit, reduced by 5/9% per month between ages 62 and 65 for each month the benefit commencement date precedes the participant's normal retirement date.
Immediate Lump Sum Payment Option	Eligibility is normal or early retirement or termination after age 55 with at least five years of vesting service. In lieu of the normal, early or vested benefit otherwise payable, a participant may elect to receive an immediate lump sum payment. The lump sum payment is determined using the 30-year Treasury interest rate for the third calendar month preceding the beginning of the plan year in which the payment is made.
Preretirement Spouse's Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before death, taken immediate early retirement, and accepted the 50% joint and survivor option. If the active employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments under the 50% joint and survivor option.
Post Termination Spouse's Benefit	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his/her date of death. If the former employee dies after the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had commenced payments the day before death and accepted the 50% joint and survivor option. If the former employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments under the 50% joint and survivor option.

Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time (“Millennium”) pension increase. The Millennium increase amounts are summarized in the Appendix.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	Any participant retiring under the plan who has been married at least one year will receive his pension in the form of a reduced 50% joint and survivor annuity with his spouse as beneficiary (other forms, including life annuity, are available if the spouse consents to the election). Other participants will receive their benefits in the form of a life annuity.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life
- Lump sum

Changes in Plan Provisions Since the Prior Year

None.

Former NWL Retirement Income Plan (Sub-Plan 129)

Effective Date	January 1, 1989, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	
Non-Union	All full-time employees become plan participants on their date of hire.
Union (Kalamazoo Hourly)	All hourly union employees at Kalamazoo become plan participants on their date of hire.
Vesting Service	
Non-Union	Prior to January 1, 1989, vesting service was based on the plan provisions then in effect. After December 31, 1988, vesting service is based on elapsed time.
Union (Kalamazoo Hourly)	Vesting service is based on elapsed time, but no service is given prior to June 1, 1941.
Credited Service	
Non-Union	Equivalent to vesting service, but rounded up to the nearest month.
Union (Kalamazoo Hourly)	Equivalent to vesting service, but rounded up to the nearest month.
Average Monthly Compensation	Average of the highest consecutive 60 months.
Social Security Covered Compensation	Social Security covered compensation is one twelfth of the Social Security taxable wage bases in effect for the 35 years ending with the year the participant would attain Social Security normal retirement age (SSNRA), assuming, in the case of a participant who retires or terminates before SSNRA, that the wage base then in effect continues unchanged until SSNRA.
Normal Retirement	Eligibility is the first day of the month after the attainment of age 65.
Non-Union	Prior to January 1, 1997, benefit is comprised of the sum of the following two pieces: a past service benefit and a future service benefit. The past service benefit is the accrued monthly benefit as of December 31, 1988 based on the plan provisions then in effect.

The future service benefit is the monthly benefit equal to 0.9% of average monthly compensation up to Social Security covered compensation, plus 1.3% of average monthly compensation in excess of Social Security covered compensation multiplied by years of credited service (earned after December 31, 1988) at normal retirement up to 35 years (35 years is reduced by years of credited service earned prior to January 1, 1989); plus 1.3% of average monthly compensation multiplied by years of credited service (earned after December 31, 1988) at normal retirement in excess of 35 years.

After December 31, 1996, the normal retirement benefit is the greater of (A) and (B) below:

(A) The monthly benefit equal to the accrued monthly benefit at December 31, 1996 as calculated above plus the future Parker benefit piece equaling 0.75% of average monthly compensation up to Social Security covered compensation, plus 1.36% of average monthly compensation in excess of Social Security covered compensation multiplied by years of credited service (earned after December 31, 1996) at normal retirement up to 35 years (35 years is reduced by years of credited service earned prior to January 1, 1997); plus 0.5% of average monthly compensation multiplied by years of credited service (earned after December 31, 1996) at normal retirement in excess of 35 years (35 years is reduced by years of credited service earned prior to January 1, 1997, with the excess held to a maximum of five years).

(B) The Parker formula monthly benefit equal to 0.75% of average monthly compensation up to Social Security covered compensation, plus 1.36% of average monthly compensation in excess of Social Security covered compensation multiplied by years of credited service at normal retirement up to 35 years; plus 0.5% of average monthly compensation multiplied by years of credited service at normal retirement in excess of 35 years (maximum of five years).

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is also payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Union (Kalamazoo Hourly)

The monthly retirement benefit is equal to years of credited service times benefit rate.

Date of Retirement	Benefit Rate
08-01-90 to 07-31-94	$22.00
08-01-94 to 07-31-95	$23.00
08-01-95 to 07-31-96	$23.75
08-01-96 to 07-31-97	$24.50
08-01-97 to 07-31-98	$25.50
08-01-98 to 07-31-99	$26.25
08-01-99 to 07-31-00	$27.00
08-01-00 to 07-31-01	$33.75
08-01-01 to 07-31-02	$34.75
08-01-02 to 08-03-03	$35.50
08-04-03 to 07-30-06	$39.50
07-31-06 to 08-05-07	$40.50
08-06-07 to 07-31-11	$43.50
08-01-11 to 07-29-12	$43.00
07-30-12 to 08-05-17	$46.50
08-07-17 to 08-07-22	$49.50

Early Retirement

Non-Union

Eligibility for the past service benefit piece varies depending on formula used in determining benefit on December 31, 1988. Eligibility for all other pieces is attainment of age 55 and completion of 10 years of vesting service.

Prior to January 1, 1997, benefit is comprised of the sum of the following two pieces: an early retirement past service benefit and an early retirement future service benefit.

- The early retirement past service benefit is the early retirement monthly benefit as of December 31, 1988 (including appropriate early retirement reduction factors) based on the plan provisions then in effect.
- The early retirement future service benefit is the normal retirement future service benefit multiplied by the ratio of credited service (earned after December 31, 1988) over credited service (earned after December 31, 1988) at normal retirement and further reduced by an early retirement factor described below.

After December 31, 1996, the early retirement benefit is the greater of (A) and (B) below:

(A) The monthly benefit equal to the early retirement benefit at December 31, 1996 as calculated above plus the normal retirement future Parker benefit as calculated above with the exception of average monthly compensation and credited service calculated at the time of retirement multiplied by an early retirement factor described below.

(B) The monthly benefit equal to the normal retirement Parker formula as calculated above with the exception of average monthly compensation and credited service calculated at the time of retirement multiplied by an early retirement factor described below.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

	If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.
Union (Kalamazoo Hourly)	Eligibility is attainment of age 60 and 10 years of credited service. The monthly benefit is equal to the normal retirement benefit multiplied by an early retirement factor described below.
Early Retirement Factors	The following early retirement reductions are applicable when calculating various early retirement benefits:
Non-Union Future Service Benefit	Age 55 and 10 years of vesting service: Reduced 4% for each year retirement precedes age 65. Age 55 and 30 years of vesting service: Reduced 4% for each year retirement precedes age 62.
Non-Union Future Parker Benefit and Parker Formula	Age 55 and 10 years of vesting service: Reduced 6% for each year retirement precedes age 65.
Union (Kalamazoo Hourly)	Less than 30 years of credited service: Reduced 7.2% for each year retirement precedes age 62. At least 30 years of credited service: No reduction.
Termination	Eligible after three or more years of vesting service for non-union (five years prior to July 1, 2008) or five or more years of vesting service for union.
Non-Union	Deferred vested benefit equal to the early retirement benefit payable at age 65, or payable as early as age 55 with at least 10 years of vesting service, reduced 6% for each year commencement of benefits precede age 65.
Union (Kalamazoo Hourly)	Deferred vested benefit equal to the early retirement benefit payable at age 65, or payable as early as age 60 with at least 10 years of vesting service, reduced 7.2% for each year commencement of benefits precede age 65.

Disability Retirement	
Non-Union	Eligible upon total and permanent disability. The disability benefit is equal to the monthly normal retirement benefit assuming that the participant had worked to normal retirement at the rate of pay in effect at date of disability. Payment of such benefit is deferred until age 65.
Union (Kalamazoo Hourly)	Eligible upon total and permanent disability and 10 years of credited service. The disability benefit is equal to the monthly normal retirement benefit payable on date of disability. At normal retirement, disability benefit ceases and normal retirement benefit begins. Payment of optional forms is not provided for disability retirement. If disabled retiree dies prior to normal retirement date, surviving spouse is entitled to preretirement spouse benefit.
Preretirement Spouse's Benefit	Eligible upon the death of an active or former employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before he died (or termination date, if earlier), lived to his earliest retirement date, taken early retirement, and accepted a joint and survivor option (50% for Nonunion and 55% for Union).
Supplemental Benefit	
Union (Kalamazoo Hourly)	Eligibility is attainment of age 60 and prior to age 62 with at least 25 years of credited service. The monthly supplemental retirement benefit is equal to years of credited service times supplemental benefit rate, payable until age 62.

Date of Retirement	Supplemental Benefit Rate
08-01-90 to 07-31-94	$21.50
08-01-94 to 07-31-95	$22.50
08-01-95 to 07-31-96	$23.25
08-01-96 to 07-31-97	$24.00
08-01-97 to 07-31-98	$25.00
08-01-98 to 07-31-99	$25.75
08-01-99 to 07-25-00	$26.50
07-26-00 to 07-31-01	$33.25
08-01-01 to 07-31-02	$34.25
08-01-02 to 08-03-03	$35.00
08-04-03 to 07-30-06	$39.00
07-31-06 to 08-05-07	$40.00
08-06-07 to 08-06-17	$43.00
08-07-17+	$47.50

Special Medicare Benefits
Union (Kalamazoo Hourly)

Eligible to all retirees and their spouses (except deferred vested retirees) who are age 65 or older or under age 65 and enrolled in voluntary “Medicare” coverage.

The special Medicare benefit is equal to the prevailing full Medicare amount in effect on August 1. Effective August 4, 2003, there is a cap for all future retirees at $65.00. The cap increases to $70.00 for retirements on or after July 31, 2006.

Pension Increase for Retirees
Non-Union Only

Retired participants as of June 1, 2001 received a one-time (“Millennium”) pension increase. The Millennium increase amounts are summarized in the Appendix.

Retirement Income Account (RIA)
Non-Union Only

Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees.

Participants as of June 30, 2004 were given the following plan coverage choices:

(A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or

	(B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis (nonunion) or a 55% joint and survivor reduced by 5% (union) unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options are available. The optional forms available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Joint and survivor with level freeze option

Changes in Plan Provisions Since the Prior Year

- Increase in benefit unit and/or increase in the maximum years of participation.

Former Gresen Hourly Pension Plan (Sub-Plan 136)

Effective Date	January 1, 1986, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	Each employee who was a participant in the Teamsters Union Local No. 970, 1976 Revised Pension Plan is automatically eligible. Other employees become eligible after completion of one year of service.
Years of Service	Plan year in which an employee is credited with 1,000 or more hours of service.
Pension Accrued Service	(A) All full and fractional years of service since January 1, 1976 while employed on an hourly basis by Gresen Manufacturing Division of Dana Corporation; plus (B) All full and fractional years of past service ending on December 31, 1975. (C) Employee shall not be given pension accrual service for hours of service during which an employee is not eligible or is employed by an affiliate of the employer; that is, pension accrual service under one plan may not he transferred to another plan. (D) Any paid absence for which the employer keeps records, such as vacation, incapacity, or layoffs shall be included as pension accrual service as long as a single period of absence is not in excess of 500 hours. (E) Credit will be given after one year for the first year of service accrued following a break in service. (F) Pension accrual service shall not include years of service prior to a break in service if the number of consecutive one-year breaks in service equals or exceeds the aggregate number of years of service prior to the break.

Accrued Benefit

The accrued benefit is the basic benefit level below times years of pension accrual service payable monthly.

Date of Retirement		Basic
On or After	But Before	Benefit Level
04-01-00	05-01-01	$27.00
05-01-01	05-01-02	$30.00
05-01-02	05-01-03	$32.00
05-01-03		$34.00
Closed		

Normal Retirement

Eligibility is attainment of age 65.

The monthly benefit is the accrued benefit determined at normal retirement date.

Early Retirement

Eligibility is attainment of age 62 and 10 or more years of service.

The monthly benefit is the accrued benefit determined at early retirement, reduced by an actuarially equivalent percentage as set forth below

Commencement Age	Early Commencement Factor
62	0.8000
63	0.8667
64	0.9333
65	1.0000

Postponed Retirement

Eligibility at the request of the employee.

The monthly benefit is the accrued benefit determined at date of postponed retirement.

Disability Retirement

All employees who become disabled after attaining age 50 and 10 or more years or service are eligible.

	The monthly benefit is the accrued benefit at the onset of disability, reduced by an actuarial equivalent percentage if prior to normal retirement date. Benefits shall begin on the later of the seventh month of disability or the first day of the month following employment termination.
Termination	Eligible upon completion of five or more years of service. (A) Deferred payments beginning at age 65 equal to the accrued benefit determined at the date of termination. (B) Deferred payments beginning as early as age 62 (if 10 years of service) equal to the benefit payable at normal retirement date actuarially reduced for early commencement.
Surviving Spouse	One-year marriage requirement imposed.
Surviving Benefit	Former and active vested employees and retirees who have elected the normal form of the survivor benefit and who have been married at least one year are eligible. For active vested and terminated vested employees eligible for early or normal retirement: Monthly survivor benefit shall be equal to 50% of the accrued benefit the employee would have received had he retired the day before his death. Benefit payment begins on the first day of the month following the date of death. For retirement employees: Monthly survivor benefit shall be equal to 50% of benefit for which retiree was eligible if the retiree did not decline the survivor's benefit. benefit payment begins on the first day of the month following the date of death. For active vested and terminated vested employees not eligible for normal or early retirement: Monthly survivor benefit shall be equal to 50% of the monthly benefit to which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to early retirement date and had begun receiving benefits that day, and died the next day. Benefit payments begins on early retirement date. Reduction: Pension benefit of retiree is reduced actuarially for survivor benefit option.

Forms of Benefit	Optional forms of payment are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10 or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Commercial Intertech Corp. Pension Plan for Salaried Employees (Sub-Plan 138)

Effective Date	October 28, 1948, as restated July 1, 2008 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All nonunion salaried employees of Commercial Intertech Corp. are eligible after attainment of age 21 and completion of one year of service.
Benefit Service	Elapsed service from date of hire.
Average Compensation (Commercial Intertech)	The average base pay compensation (limited by IRC section 401(a)(17)) during the highest five consecutive years of compensation out of the last 10 years immediately preceding retirement.
Average Monthly Compensation (Parker)	Average of the highest five consecutive calendar years compensation including base salary, bonuses, overtime, incentive, etc., but excluding other compensation such as overseas allowances or moving expenses. Compensation exceeding the IRC section 401(a)(17) limit in the year of retirement or termination ($200,000 retroactively starting with the 2002 plan year) will be excluded when the average monthly compensation is determined.
Social Security Benefit	Estimated Social Security primary insurance amount at normal retirement date under the provision of the Social Security Act at the time of separation from employment assuming that the participant continues at current earnings level as of December 31, 2001.
Social Security Covered Compensation	Social Security covered compensation is one twelfth of the Social Security taxable wage bases in effect for the 35 years ending with the year the participant would attain Social Security normal retirement age (SSNRA), assuming in the case of a participant who retires or terminates before SSNRA, that the wage base then in effect continues unchanged until SSNRA.
Normal Retirement	Eligibility is the later of age 65 or the fifth anniversary of participation. The monthly benefit is the benefit as summarized below but not to exceed the maximum benefit permitted under IRC section 415.

(A) For retirements after December 31, 2001, the benefit is the greater of (i) or (ii) below:

(i) 50% of average compensation (Commercial Intertech), less 50% of Social Security, reduced for less than 25 years of benefit service and increased by 1% for each year of benefit service over 25 (to a maximum of 10%), for benefit service credited through December 31, 2001.

plus

26.25% of average monthly compensation (Parker) up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service earned after December 31, 2001 is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years) for service credited after December 31, 2001.

A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

(ii) 26.25% of average monthly compensation (Parker) up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years) for all benefit service.

A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

(B) For retirements after December 31, 2001 for the grandfathered group (participants attaining at least age 50 with 15 years of service or age 60 with five years of service as of December 31, 2001), the benefit is the greater of (i), (ii) or (iii) below:

(i) 50% of average compensation (Commercial Intertech), less 50% of Social Security, reduced for less than 25 years of benefit service and increased by 1% for each year of benefit service over 25 (to a maximum of 10%), for benefit service credited through December 31, 2001.

plus

26.25% of average monthly compensation (Parker) up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service earned after December 31, 2001 is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years) for service credited after December 31,

2001.
A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

(ii) 26.25% of average monthly compensation (Parker) up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years in excess of 35 (maximum five years) for all benefit service.

A minimum benefit based on the benefit unit table below times basic service (maximum 40 years) will be paid.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

(iii) 50% of average compensation (Commercial Intertech), less 50% of Social Security, reduced for less than 25 years of benefit service and increased by 1% for each year of benefit service over 25 (to a maximum of 10%), for all benefit service.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants who did not elect to stay in the Commercial Intertech Retiree Medical Plan as of December 31, 2001. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants who did not elect to stay in the Commercial Intertech Retiree Medical Plan as of December 31, 2001 retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Accrued Benefit (Commercial Intertech)

The normal retirement benefit above under the prior Commercial Intertech formula only computed using benefit service projected to age 65, and then multiplying by benefit service at accrued benefit determination divided by benefit service projected to age 65.

Early Retirement

Eligibility is age 55 with 10 years of service, or a participant on December 31, 2001 who would not have five years of service by age 62.

The monthly benefit is the benefit under the prior Commercial Intertech formula reduced by 3/10 of 1% for each month early commencement precedes age 65.

plus/or

The benefit earned under the Parker formula reduced by 5/10 of 1% for each month early commencement precedes age 65.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants who did not elect to stay in the Commercial Intertech Retiree Medical Plan as of December 31, 2001. The main provisions of the RMA are summarized in the Appendix.

	If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants who did not elect to stay in the Commercial Intertech Retiree Medical Plan as of December 31, 2001 retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.
Termination	Eligible upon completion of three years of service (five years prior to July 1, 2008). The benefit payable at normal retirement date, based on average compensation at termination. If the participant has 10 years of service, early commencement is available after age 55. The benefit under the prior Commercial Intertech formula reduced by 3/10 of 1% for each month early commencement precedes age 65. plus/or The benefit earned under the Parker formula reduced by 5/10 of 1% for each month early commencement precedes age 65.
Preretirement Spouse’s Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before he died, taken immediate early retirement, and accepted the 50% joint and survivor option.
Postretirement Spouse’s Benefit	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his date of death.

	If the former employee dies after the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had commenced payments the day before he died and accepted the 50% joint and survivor option. If the former employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments on his fifty-fifth birthday under the 50% joint and survivor option.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	Optional forms of payment are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life
Coordination With Other Plans	Transfers into the Salaried Plan will be computed as if the employee was always in this plan. Any benefits from other plans will offset the portion payable from the plan.

Early Retirement Window	Eligibility applies to certain non-highly compensated employees retiring between October 1, 1996 and November 14, 1996 and between November 15, 1998 and December 31, 1998. The benefit payable is computed without a reduction to service or early commencement reduction using current compensation as the five-year average. An additional $800/month supplement to age 65 was provided and offered as a lump sum.

Changes in Plan Provisions Since the Prior Year

None.

Former Commercial Intertech Corp. Pension Plan for Hourly Paid Employees (Sub-Plan 139)

Effective Date	April 1, 1950, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly paid employees of Commercial Intertech Corp. represented by the United Steelworkers of America are eligible after attainment of age 21 and completion of one year of continuous service.
Continuous Service	All full and fractional years of service to the nearest month from last date of hire to termination of employment, including any service required to be credited as a result of break in service rules. For part time employees, all dollar amount minimum benefits (i.e., unrelated to final average earnings) shall be based on continuous service which is proportionately reduced for less than full time employment.
Average Monthly Earnings	The monthly average earnings of the 60 highest consecutive calendar months of total earnings in last 120 months prior to termination of employment or retirement. Earnings will exclude certain cost of living adjustments in base rates since September 30, 1974. Effective January 1, 1997, the cost of living adjustment was $3.50 per base hour.
Normal Retirement	Eligibility is age 65 or the fifth anniversary of participation, if later. The monthly benefit is equal to the greater of (A) and (B) below: (A) Percent Pension: 1.1% of average monthly earnings for percent pension times years of continuous service not in excess of 30, plus 1.2% of average monthly earnings times years of continuous service in excess of 30 years. This benefit is increased by 12.6% for retirements on or after November 1, 1995.

(B) Minimum Pension: $26.50 per month times years of continuous service with a minimum benefit (for continuous service over 30 years) of $1,060 per month. The benefit units will be increased for retirements on or after the effective dates below:

Effective Date	Benefit Unit (Per Year of Service)	Minimum Benefit (for Continuous Service Over 30 Years)
11-01-00	$27.00	$1,080
11-01-01	$27.50	$1,100
02-01-02	$30.00	$1,100
02-01-03	$32.00	$1,100
02-01-04	$33.00	$1,100
02-01-05	$34.00	$1,100
02-06-06	$35.50	$1,100
02-11-07	$37.00	$1,100
02-10-08	$38.00	$1,100
02-03-09	$39.00	$1,100
02-03-10	$39.25	$1,100
02-13-11	$39.50	$1,100
02-12-12	$39.75	$1,100
02-10-13	$40.00	$1,100

Accrued Benefit

The normal retirement benefit above computed using average monthly earnings and continuous service at termination or date of determination.

Early Retirement (Unreduced)

Eligibility is at any age with 30 years of continuous service or age 62 with 15 years of continuous service.

The monthly benefit is the accrued benefit without actuarial reduction for early commencement.

Early Retirement (Reduced)

Eligibility is at age 60 with 15 years of continuous service.

The monthly benefit is the accrued benefit reduced to the actuarial equivalent of the benefit payable at age 62.

Termination

Eligible upon completion of five years of continuous service.

The monthly benefit is the accrued benefit payable at normal retirement date. The accrued benefit can be payable as early as age 60 on an actuarially reduced

	basis. If the participant terminated after age 40 with 15 years of continuous service, then the actuarial reduction is from age 62 instead of age 65.
70/80 or Rule of 65 Retirement Benefit	Eligible upon completion of 15 years of continuous service, attainment of age 55, and sum of age and continuous service total 70 or more; or, completion of 15 years of continuous service and the sum of age and continuous service total 80 or more; or, completion of 20 years of continuous service and the sum of age and continuous service total 65 or more. Retirement must be due to plant shutdown or layoff. A monthly benefit equal to (A) plus (B) below is payable immediately: (A) The accrued benefit determined at date of retirement. plus (B) A temporary supplement of $300 per month is payable until eligible for Social Security.
Disability Benefit	Eligible when physically or mentally incapacitated with 15 years of continuous service. An immediate benefit equal to (A) plus (B) below will commence after six months: (A) The accrued benefit at date of disability retirement. plus (B) A temporary supplement of $300 per month payable until eligible for Social Security.
Surviving Spouse’s Benefit	Surviving spouses of married participants who die with 1.5 years of continuous service either pre or postretirement are eligible.

	The benefit payable to the surviving spouse equals 50% of the accrued benefit at date of participant's death (minimum $140 per month) reduced when the spouse attains age 60 by the Social Security benefit that the spouse is eligible to receive (minimum: $125 per month). Retirements prior to November 1, 1996 may have different minimums.
React Preretirement Spouse's Benefit	Surviving spouses of married participants who die after having completed five years of continuous service prior to benefit commencement are eligible. The benefit payable to the surviving spouse equals the accrued benefit at date of participant's death commencing at the earliest retirement age reduced for early retirement and the 50% joint and survivor option. This amount will be a minimum for a preretirement death but will not be paid in addition to the surviving spouse benefit.
Forms of Payment	Optional forms of payment are: ▪ Straight life annuity ▪ Actuarially reduced 50%, 75%, or ▪ 100% joint and survivor annuity ▪ 5 or 10-year certain and life ▪ 50% joint and survivor with 10-year certain and life
Special Initial Payment	Payable for all retirements, except deferred vested retirements and disability retirements. In lieu of the first three months' pension payments, a lump sum payment equal to 13 weeks of vacation pay, reduced by actual vacation pay received in year of retirement is payable.

Changes in Plan Provisions Since the Prior Year

None.

Former Intertech Corp. Pension Plan for Hourly Paid Employees, Hicksville Plan (Sub-Plan 140)

Effective Date	May 6, 1973, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly employees of Commercial Intertech Corp., Hicksville, Ohio Plant are eligible after attainment of age 21 and completion of one year of service.
Service	
Vesting	All continuous service with Commercial Intertech Corp. computed to the nearest one-twelfth year.
Pension	All continuous service with Commercial Intertech Corp. Hicksville, Ohio Plant as an hourly employee computed to the nearest one-twelfth year.
Normal Retirement	Eligible at the later of age 65 and fifth anniversary of participation. The monthly benefit is the benefit unit below multiplied by pension service.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
11-01-89	07-08-93	$13.00
07-08-93	07-01-97	$15.75
07-01-97	07-01-98	$17.50
07-01-98	07-01-99	$19.00
07-01-99	07-01-00	$20.00
07-01-00	07-01-01	$21.00
07-01-01	07-01-02	$23.50
07-01-02	07-01-03	$24.50
07-01-03	07-01-04	$25.50
07-01-04	07-01-05	$26.50
07-01-05	07-02-06	$27.50
07-02-06	07-01-07	$28.50
07-01-07	07-06-08	$29.50
07-06-08	07-27-08	$30.50
07-27-09	07-25-10	$31.00

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
07-25-10	07-24-11	$31.50
07-24-11	07-29-12	$32.00
07-29-12	07-22-13	$32.50
07-22-13	07-21-14	$33.00
07-21-14	07-20-15	$33.50
07-20-15	07-24-16	$34.00
07-24-16	07-23-17	$34.50
07-24-17	07-23-18	$35.00
07-24-18	07-23-19	$35.50
07-24-19	07-23-19	$36.00

Early Retirement

Eligible at age 62 with 15 years of vesting service.

The monthly benefit is the accrued benefit (as determined under normal retirement above) based on pension service at termination reduced based on the chart below for early commencement:

Age	Reduction Factor
62	0.7528
63	0.7253
64	0.9072

Termination

Eligible at any age with five years of vesting service.

The accrued pension is payable at normal retirement date as determined in normal retirement above based on pension service at termination. A participant with 15 years of vesting service may elect to commence the benefit at age 62 reduced as for early retirement.

Disability Retirement

Eligible at any age with 10 years of vesting service.

A benefit is payable after six months of disability computed as in termination above based on pension service at date of disability. The benefit is payable without reduction for early commencement.

Preretirement Spouse's Benefit	Surviving spouses of married participants who die after having completed five years of vesting service are eligible. The benefit payable to the surviving spouse equals the accrued benefit (as determined in normal retirement above) at date of participant's death based on pension service at date of death. This benefit is then reduced to the actuarial equivalent of this benefit had the participant lived to early retirement (or age of death, if death occurs after early retirement), retired with a qualified 50% joint and survivor annuity and then died.
Forms of Payment	Optional forms of payment are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and Life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

- Increase in benefit unit and/or increase in the maximum years of participation.

Former Wynn's International, Inc. Retirement Plan (Sub-Plan 146)

Effective Date	January 1, 1978, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	Attainment of age 21 and completion of 1,000 hours of service in a plan year, providing that the employee is not covered by a collective bargaining agreement.
Vesting Service	One year for each plan year in which a participant has been credited with 1,000 or more hours of service.
Benefit Service	One year for each plan year in which a participant has been credited with 1,000 or more hours of service.
Compensation	The base rate of compensation paid by an employer to an employee as of the January 1 of the plan year of determination, expressed as an annual rate.
Normal Retirement	Eligibility is attainment of age 65. The normal retirement benefit is the greater of (A) and (B), plus (C): (A) For service prior to January 1, 1978 the benefit is equal to the sum of ¾% of the December 31, 1977 base salary up to $16,500 and 1¼% of the December 31, 1977 base salary in excess of $16,500 multiplied by credited service prior to December 31, 1977 (from date of acquisition or, if later, attainment of age 25 with one year of service). For service between January 1, 1978 and December 31, 1988, the benefit is equal to the sum of 1% of the January 1 base salary for that year up to the Social Security wage base, plus 2% of the January 1 base salary for that year in excess of the Social Security wage base. For service during each plan year between January 1, 1989 and December 31, 1998 (until a participant has 35 total years of service); the benefit is equal to the sum of 1.15% of the January 1 base salary for that year up to $10,000 plus 1.80% of the January 1 base salary in excess of $10,000.

	For service during each plan year between January 1, 1989 and December 31, 1998 (after the participant has 35 total years of service), the benefit is equal to 1.8% of the January 1 base salary for each year after 35 years. (B) For service prior to January 1, 1999, the benefit is equal to 1.5% of average compensation (using January 1, 1997, January 1, 1998 and January 1, 1999 compensation) times years of vesting service earned as of January 1, 1999. (C) For each plan year of service beginning on or after January 1, 1999, the benefit is equal to 1.9% of the January 1 base salary.
Early Retirement	Eligibility is attainment of age 55 and completion of five years of vesting service. The benefit is equal to the normal retirement benefit but using compensation at the time of early retirement and using service only to the early retirement date but reduced for early retirement by 1/180 for each of the first 60 months and 1/360 for each of the next 60 months preceding normal retirement.
Termination	Eligible after five or more years of vesting service. Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse’s Benefit	Eligible upon the death of a married participant while eligible for a vested retirement benefit. The benefit payable to the surviving spouse is determined as though the participant had retired the day before he died, or at age 55, if later, and accepted the 50% joint and survivor option.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or

(B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.

Forms of Payment

A married participant shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single participant shall receive the benefit on a life annuity basis.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, or 15-year certain and life
- 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Salaried Employees' Pension Plan of Wynn's-Precision, Inc (Sub-plan 147)

Plan Sponsor	Parker Hannifin Corporation.
Effective Date	June 14, 1959; as amended effective January 1, 2001 to freeze plan participation and the accumulation of benefits as of the following "freeze dates."

Freeze Date	Location
12/31/2000	Dynamic Seals, Inc.
02/28/2001	Wynn's Keeper, Inc.
05/01/2001	Wynn's-Precision, Inc.

Effective July 1, 2004, this plan was further amended to change the plan year from a calendar year to the 12-month period beginning each July 1 and ending the following June 30. Most recently amended effective July 1, 2008 by Amendment 6.

The plan was merged into the Consolidated Pension Plan as of June 30, 2013.

Participation	Eligible salaried employees participate in the noncontributory portion of the plan upon date of hire. Participation in the contributory portion of the plan is dependent upon the employee's agreement to make the required contributions. Effective with the January 1, 2001 amendment to the plan, participation is closed as of the applicable freeze date.
Service	Before January 1, 1976, service for all purposes is credited from last date of hire to nearest one-fourth year. Service after January 1, 1976 for all purposes is credited on the basis of full years and month of employment completed as of a participant's applicable freeze date.
Accrual of Benefits	A participant has accumulated a benefit payable at normal retirement date based on compensation and benefit service as of the applicable freeze date.
Employee Contributions	Employees are required to make contributions equal to 3% of compensation (not to exceed $200,000, as adjusted) to receive contributory benefit accruals.

	Employee contribution requirements were suspended as of the applicable freeze date.
Compensation	Compensation for contribution and pension calculation purposes is equal to 1/12th of the average of basic annual rate of compensation (not to exceed $200,000 as adjusted) as of each January 1 for the highest five consecutive years of contributory benefit service granted prior to the applicable freeze date.
Normal Retirement	Eligible at age 65 or the fifth anniversary of plan participation, if later. The monthly benefit is equal to the sum (1) and (2): (1) Noncontributory benefit amount determined as a monthly benefit equal to $100.00, reduced by 1/15th for each year of service less than 15 years at the employee's normal retirement date. In no event shall the noncontributory benefit of an employee who was an active participant on December 31, 1982 be less than $3.50 times credited service at his freeze date. (2) Contributory benefit amount determined as follows: a. 2⅓% of monthly plan compensation times benefit service (not to exceed 15 years); plus b. 1% of monthly plan compensation times benefit service in excess of 15 years. For purposes of determining the contributory benefit at the freeze date, benefit service means that period of credited service during which the participant made employee contributions as required by the contributory portion of the plan.
Early Retirement	Eligible at age 55 and five years of service. The early retirement benefit is the accrued retirement benefit reduced 1/180 for each of the first 60 months and 1/360 for each additional month by which the early retirement date precedes the normal retirement date.
Termination	Participants who were active employees at the applicable freeze date became eligible for 100% of their accrued retirement benefit payable at their normal

	retirement date. A participant with five years of service may elect to commence their benefit as early as age 55 reduced as for early retirement.
Spouse Pension	Upon death of an unmarried contributory participant or a married participant with non-vested benefit, the beneficiary receives the participant's accumulation payable in a lump sum. The surviving spouse of a vested participant receives the spouse's portion of a 100% survivor annuity reduced for early commencement and payable at the earliest retirement age of the participant or later date if elected by the spouse.
Disability Retirement	Eligible at age 55 and five years of credited service. The disability retirement benefit is the accrued retirement benefit reduced for early payment.
Late Retirement	Eligible if employment continues after normal retirement date. The late retirement benefit is equal to the retirement benefit determined at the applicable freeze date based on normal retirement benefit formula and plan compensation and credited service at such date.
Forms of Payment	An employee will normally receive his benefit on a straight-life basis or, if married, the actuarial equivalent of such benefits payable as a 100% joint and survivor annuity. A single life annuity, 10-year certain annuity, and 50% joint and survivor annuity are also available options.
Actuarial Equivalent	The 30-year Treasury security rate for May and the 1983 Group Annuity Mortality Table weighted 50% male and 50% female.
Plan Year	July 1 to June 30.

Changes in Plan Provisions Since the Prior Year

None.

Former Hourly Employees' Pension Plan for Wynn's Precision, Inc. (Sub-Plan 148)

Effective Date	June 14, 1959, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Participation	Each participant who was a participant as of January 1, 2001 shall continue as a participant in the 2001 plan and his participation date shall be the date as of which he became a participant in the prior plan. Each employee who was not a participant in the prior plan of the employer shall become a participant in the 2001 plan on the January 1 coinciding with or next following the date of which the employee first performs an hour of service for the employer.
Continuous Service	The period during which an employee shall have been continuously employed by the employer or by the employer's division in Lebanon, Tennessee from his most recent date of employment to the date of his retirement under the Plan or his normal retirement date, whichever occurs first. Continuous service shall not accumulate in excess of two years during any one period of layoff, leave of absence, disability or other specified purpose.
Credited Service	Prior to January 1, 1976 credited service was based on continuous service, and after that date, credited service is computed on the basis of full years and completed months.
Normal Retirement	Eligibility is attainment of age 65 and five years of credited service. (A) Determinations made prior to June 30, 1999: The monthly benefit is $14.00 multiplied by credited service. If a participant was formerly employed with Wheaton, Inc., the benefit unit below is multiplied by credited service accrued after the date of acquisition of the Springfield, Kentucky plant.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
09-30-96	01-01-97	$10.00
01-01-97	07-01-99	$10.00, pills $1.00 multiplied by credited service under the Wheaton Consolidated Service Retirement Plan as of the acquisition.

(B) Determinations made after June 30, 1999:

The monthly benefit is $14.00 multiplied by credited service; then increased as shown below.

For employees formerly covered under the Wheaton Consolidated Service Retirement Plan, $4.00 times credited service earned under that plan at date of acquisition plus $14.00 times credited service thereafter; then increased as shown below

Effective As of:	Kentucky Employees	Lebanon Union Employees
April 2001	$5/$15	$15.00
May 2001	—	—
April 2002	$6/$16	$16.00
May 2002	—	—
April 2003	$7/$17	$17.00
May 2003	—	—
April 2004	$8/$18	$18.00
May 2004	—	—
April 2005	Closed	$19.00
April 2006		$20.00
April 2007		$21.00
April 2008		$23.00
April 2011		$23.50
April 2012		$23.75
April 2013		$24.25
April 2014		$24.75
April 2015		$25.00
April 2016		$25.25
April 2017		$25.25

Early Retirement	Eligibility is attainment of age 55 and completion of five years of credited service. Benefit is equal to either: (i) deferred benefit payable at his normal retirement date equal to accrued benefit determined as of his early retirement date, or (ii) an immediate pension equal to his accrued benefit determined as of his early retirement date but reduced 0.4% for each month that early retirement precedes normal retirement date.
Disability Benefit	Eligible after five or more years of credited service and deemed disabled by the Administrative Committee. Benefit is equal to: (A) Prior to the participant's normal retirement date, $19.00 multiplied by credited service; and (B) At the participant's normal retirement date, accrued retirement benefit determined as of his disability retirement date.
Termination	Eligible after three or more years of credited service (five years prior to July 1, 2008). The deferred vested benefit is equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse's Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit. A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as follows: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, and died on the day after he would have attained earliest retirement age.

Post Termination Spouse's Benefit	Eligible upon the death of a former employee while eligible for a vested benefit. A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as follows: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, and died on the day after he would have attained earliest retirement age.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Hourly Employees' Pension Plan for Dynamic Seals, Inc. (Sub-Plan 149)

Effective Date	March 1, 1982, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All hourly employees who are members of a designated class of employees for which a separate benefit schedule is adopted by the employer shall participate as of the date of hire.
Vesting Service	Continuous service as determined prior to March 1, 1982 under The Richardson Company 1966 Divisional Pension Plan for Hourly Rated Employees plus the exact number of years and days of an individual's employment with the employer.
Benefit Service	No service prior to March 1, 1982. Thereafter, the exact number of years and days of an individual's employment with the employer.
Normal Retirement	Eligibility is attainment of age 65 and completion of five years of vesting service. The amount of the monthly benefit is as follows:
Employees of Dynamic Seals, Inc. Houston, Texas Plant	$5.00 multiplied by credited service (as an employee under this plan) from March I, 1982 (or date of hire, if later) to December 31, 1992 plus $7.50 multiplied by credited service on or after January 1, 1993 to January 1, 2001.
Employees of Dynamic Seals, Inc. Lynchburg, Virginia Plan	The benefit unit below is multiplied by all years of credited service (as an employee under this plan) after February 26, 1982 (or date of hire, if later).

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-00	01-01-01	$ 9.50
01-01-01	01-01-02	$11.00
01-01-02	01-01-03	$13.00
01-01-03	01-01-04	$14.00
01-01-04	01-01-05	$15.00
01-01-05	01-01-06	$17.00
01-01-06	01-01-07	$18.00
01-01-07	01-01-08	$19.00
01-01-08	01-01-09	$20.00
01-01-09	01-01-14	$22.00
01-01-14	01-01-15	$23.00
01-01-15	01-01-16	$23.50
01-01-16	01-01-17	$24.00
01-01-17	01-01-18	$24.50

Early Retirement	Eligibility is attainment of age 55 and completion of five years of vesting service. Benefit is equal to either: (A) deferred benefit payable at normal retirement date equal to the accrued benefit at early retirement date, or (B) an immediate pension reduced 0.4% for each month that early retirement precedes normal retirement date.
Disability	Eligible after 15 years of vesting service and total and permanent disability. The disability benefit is equal to the accrued retirement benefit determined at disability retirement date. The unreduced accrued retirement benefit will be doubled for the period between the date of disability benefits begin and the earlier of normal retirement date or the date the employee becomes eligible for Social Security primary old age or disability benefits.
Termination	Eligible after five or more years of vesting service. Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse’s Benefit	Eligible upon the death of an active married employee while eligible for a vested retirement benefit.

	A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, retired with commencement at his earliest retirement age, and died on the day after he would have attained earliest retirement age.
Post Termination Spouse's Benefit	Eligible upon the death of a former married employee while eligible for a vested benefit. A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, retired with commencement at his earliest retirement age, and died on the day after he would have attained earliest retirement age.

Special Termination Benefit

Eligible if attained five years of uninterrupted employment after March 1, 1982 and not eligible for a pension benefit other than severance under this plan and either terminated because no longer meets the requirements of the job and is not qualified for transfer to another job, or terminated because operations at a plant or department are permanently discontinued. This does not apply if the employee is temporarily disabled and under age 65 and leaves the service of the employer while still considered employable by the employer.

The benefit is computed on the following basis:

Length of Most Recent Uninterrupted Employment (After March 1, 1982)	Percent of Total Earnings (After March 1, 1982)
5 Years But Fewer Than 10	2.0%
10 Years But Fewer Than 15	2.5%
15 or More Years	3.0%

Earnings means the entire amount of compensation paid to the employee by the employer, including piecework earnings and bonuses, overtime pay, shift premiums, vacation pay, reporting for work pay and holiday pay.

Forms of Payment

A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis.

Other options available are:

- 50%, 75%, or 100% joint and survivor
- 5, 10, 15-year certain and life
- 50% joint and survivor with 10-year certain and life
- Lump sum payout

Changes in Plan Provisions Since the Prior Year

None.

Former Goshen Rubber Company, Inc. Pension Plan—Goshen Plan Union Employees (Sub-Plan 150)

Effective Date	June 2, 1961, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Participation	Each employee who is covered under the collective bargaining agreement between the employer and Local 650, United Rubber, Cork Linoleum and Plastic Workers of America shall become a participant on the date next following the date as of which he has completed six months of employment without regard to hours of service. Note that employees on June 2, 1989 that were participants in the 1985 Plan will continue to be participants in the 1989 Plan, with their participation date equal to the participation date in the 1985 Plan.
Credited Service	Continuous service from the employee's employment commencement date to his severance from service date computed on the basis of completed one-twelfths of a year.
Vesting Service	Continuous service from the employee's employment commencement date to his severance from service date computed on the basis of completed one-twelfths of a year.
Normal Retirement	Eligibility is attainment of age 65. The monthly benefit is equal to the sum of the following: (A) Credited service earned prior to August 1, 1988 multiplied by $10.50; plus (B) Credited service earned after August 1, 1988, but before January 1, 1995 multiplied $15.50; plus (C) Credited service earned after January 1, 1995 but before June 2, 1998 multiplied by $18.00; plus

(D) Credited service earned after June 2, 1998 but before July 1, 2002 multiplied by $21.00;

plus

(E) Credited serviced earned after July 1, 2002 multiplied by the benefit unit shown below:

Date of Retirement

On or After	But Before	Benefit Unit
07-01-02	07-01-03	$22.00
07-01-03	07-01-04	$22.75
07-01-04	07-01-05	$23.50
07-01-05	07-01-06	$24.25
07-01-06	07-01-07	$26.25
07-01-07	07-01-08	$28.25
07-01-08	06-27-10	$30.25
06-27-10	06-22-14	$31.25
06-22-14	06-22-15	$31.75
06-22-15	06-20-16	$32.00
06-20-16	06-17-17	$32.25
06-17-17	06-17-18	$32.50

Early Retirement

Eligibility is attainment of age 55 and completion of 10 years of vesting service.

Benefit is equal to an immediate pension equal to the accrued benefit determined as of the early retirement date reduced 0.4% for each month that early retirement precedes the first day of the month coinciding with or otherwise next following the participant’s sixty-second birthday.

Disability Retirement	Eligible after 10 years of vesting service. The disability benefit is equal to the accrued benefit determined as of the disability retirement date. This benefit will be increased by 100% if the participant is not entitled to Social Security disability payments. This increased benefit will be reduced to the regular disability benefit on his normal retirement date or when he begins to receive any Social Security payments, whichever comes first.
Termination	Eligible after five or more years of vesting service. Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement. In lieu of receiving a benefit as described above, a participant may elect to receive a single lump sum severance benefit in the amount of $195.00 multiplied by his years of credited service. The participant's benefit payable as a monthly amount starting on his normal retirement date is then reduced by this lump sum.
Preretirement Spouse's Benefit	Eligible upon the death of an active married employee while eligible for a vested retirement benefit. A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as follows: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, retired with commencement at his earliest retirement age, and died on the day after he would have attained earliest retirement age.
Post Termination Spouse's Benefit	Eligible upon the death of a former married employee while eligible for a vested benefit.

	A survivor annuity for the lifetime of the participant's spouse in an amount equal to and payable as follows: (A) If the participant dies on or after his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had retired on the day before his date of death; or (B) If the participant dies prior to his earliest retirement age, the amount of the benefit would be a survivor annuity under the qualified joint and survivor annuity payable as if the participant had terminated his employment on the date of death, survived to his earliest retirement age, retired with commencement at his earliest retirement age, and died on the day after he would have attained earliest retirement age.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, 15, or 20-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Level income option

Changes in Plan Provisions Since the Prior Year

None.

Former Watts FluidAir Pension Plan—Hourly Participants (Sub-Plan 151-H)

Effective Date	March 18, 1978, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All production and maintenance employees of the company compensated on an hourly basis will be eligible for participation on the first day of the month coincident with or next following the date on which he has completed one year of eligibility service and has attained at least age 21. ***Note:*** *An employee will be credited with one year of eligibility service after completing 1,000 hours of service during the 12-month period following his date of hire or during any following plan year.*
Vesting Service	One year of vesting service shall be credited for each plan year that the participant has earned 1,000 hours. If the participant has earned less than 1,000 hours, but has not experienced a break in service, vesting service credit will be granted according to the following schedule:

Hours of Service During One Plan Year	**Vesting Service Credit**
500–727	0.3
728–935	0.4
936–999	0.5
1,000 or More	1.0

Benefit Service	One full year of benefit service will be credited for every plan year that the member completes 2,080 hours of service; for less than 2,080 hours of service in a plan year, a fraction of a year equal to the number of hours of service divided by 2,080 (rounded to the nearest one-tenth) will be credited.
Normal Retirement	Eligibility is attainment of age 65. The monthly benefit is equal to the benefit amount in the table below multiplied by benefit service.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-89	01-01-03	$11.00
01-01-03	07-01-04	$12.50
07-01-04	01-01-05	$13.50
01-01-05	01-01-06	$14.50
01-01-06	01-01-07	$16.00
01-01-07	01-01-08	$16.50
01-01-08	01-01-09	$17.50
01-01-09	01-01-11	$18.50
01-01-11	01-01-12	$19.50
01-01-12	01-01-13	$20.50
01-01-13	01-01-14	$22.00
01-01-14	01-01-15	$23.00

In addition to the regular plan benefit described above, a retiree medical account (RM.A) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Early Retirement

Eligibility is attainment of age 55 and completion of five years of vesting service.

The benefit is equal to the normal retirement benefit based on benefit service as of the early retirement date. Payments that begin prior to the normal retirement date will be reduced by 5/9 of 1% for each of the first 60 months by which commencement precedes the normal retirement date, and by 5/18 of 1% for each month thereafter, if any, by which commencement of benefits precedes the normal retirement date.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Termination	Eligible after five or more years of vesting service. Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse's Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is equal to the spouse's portion of a 50% joint and survivor annuity calculated at the time of death but payable at the later of the participant's normal retirement date (or early retirement date at spouse's election) or date of death.
Post Termination Spouse's Benefit	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is equal to the spouse's portion of a 50% joint and survivor annuity calculated at the time of death but payable at the later of the participant's normal retirement date (or early retirement date at spouse's election) or date of death.
Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time ("Millennium") pension increase. The Millennium increase amounts are summarized in the Appendix.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis, unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options are available.

Changes in Plan Provisions Since the Prior Year

None.

Former Watts FluidAir Pension Plan—Salaried Participants (Sub-Plan 151-S)

Effective Date	January 1, 1989, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	All clerical and salaried employees of the company will be eligible for participation on the first day of the month coincident with or next following the date on which he has completed one year of eligibility service and has attained age 21. ***Note:*** *an employee will be credited with one year of eligibility service after completing 1,000 hours of service during the 12-month period following his date of hire or during any following plan year.*
Vesting Service	A year of vesting service is granted for each plan year that the employee completes 1,000 or more hours of service.
Benefit Service	A year of benefit service is granted for each year that an employee completes 1,000 or more hours of service, excluding years of service prior to the participant's eighteenth birthday.
Final Average Earnings	The average of the highest 60 consecutive months of earnings within the last 120 months ending on the date of termination. Earnings are limited to the Section 401(a)(17) limit.
Normal Retirement	Eligibility is attainment of age 65. The monthly benefit will be equal to the greater of (A) and (B): (A) The frozen benefit as of December 31, 2000 calculated under the former Watts FluidAir Pension Plan for Salaried Employees formula, plus the benefit for future service calculated under the former Parker Hannifin Corporation Retirement Plan formula; or

(B) The benefit for all service calculated under the former Parker Hannifin Corporation Retirement Plan formula. (Same as Sub-Plan 050 formula.)

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Early Retirement

Eligibility is attainment of age 55 and completion of five years of vesting service.

The benefit is equal to the benefit calculated at normal retirement but based on final average earnings as of the early retirement date. Payments may begin before normal retirement date, but will be reduced in accordance with the following schedule:

Years Before Normal Retirement Date	Reduction Factor
0	1.000
1	0.923
2	0.846
3	0.769
4	0.731
5	0.692
6	0.654
7	0.615
8	0.577
9	0.529
10	0.486

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Termination	Eligible after three or more years of vesting service (five years prior to July 1, 2008). Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Spouse's Benefit	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding his date of death. The benefit payable to the surviving spouse is equal to the spouse's portion of the 50% joint and survivor benefit calculated at the time of death but payable at the later of the participant's normal retirement date (or early retirement date if the spouse elects) and date of death.
Pension Increase for Retirees	Retired participants as of June 1, 2001 received a one-time ("Millennium") pension increase. The Millennium increase amounts are summarized in the Appendix.
Retirement Income Account (RIA)	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.

Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis, unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Miller Fluid Power Defined Benefit Plan (Sub-Plan 153)

Effective Date	January 1, 1989, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Participation	Employees are eligible to participate at the later of the first of the month coinciding with or next following the date at which he reaches age 21 or one year of benefit service.
Vesting Service	
Salaried Participants	One year of service for each 12-month period of employment with prorated service (to the nearest l/10th) for periods less than a full year.
Hourly Participants	An employee receives one year of vesting service for each plan year after January 1, 1989 in which 1,000 hours of service are performed.
Years of Benefit Service	
Salaried Participants	(A) Year of benefit service prior to January 1, 2002. A year of benefit service is earned for each year of employment in which a minimum of 1,000 hours is worked plus an additional partial year if less than 1,000 hours in year of retirement on or after age 65. (B) Year of benefit service after January 1, 2002. One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.
Hourly Participants	A year of benefit service is earned for each year of employment in which a minimum of 1,000 hours is worked plus an additional partial year if less than 1,000 hours in year of retirement on or after age 65.

Average Monthly Compensation

Average of the highest five calendar years compensation including base salary, bonuses, overtime, incentive, etc., but excluding other compensation such as overseas allowances or moving expenses. Compensation exceeding the IRC section 401(a)(17) limit in the year of retirement or termination ($200,000 retroactively starting with the 2002 plan year) will be excluded when the average monthly compensation is determined.

Normal Retirement

Salaried Participants

Eligibility is attainment of age 65.

The monthly benefit is equal to (A) plus (B):

(A) The frozen benefit as of December 31, 2001 calculated under the former Miller Fluid Power Pension Plan.

(B) The monthly benefit equal to 26.25% of average monthly compensation up to Social Security covered compensation, plus 47.60% of average monthly compensation in excess of the Social Security benefit base, reduced proportionately if benefit service is under 35 years, plus 0.5% of average monthly compensation multiplied by the number of benefit service years earned after December 31, 2001 in excess of 35 (maximum five years). A minimum benefit based on the benefit unit table below times basic service earned after December 31, 2001 (maximum 40 years) will be paid. Social Security covered compensation is the average of the taxable wage bases under Social Security during the 35 years ending with the employee's Social Security retirement age.

Date of Retirement		Minimum
On or After	But Before	Benefit Unit
07-01-89	01-01-01	$12.50
01-01-01	01-01-02	$15.00
01-01-02	01-01-03	$18.00
01-01-03		$21.00

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

Hourly Participants

(A) $5 multiplied by years of benefit service completed prior to January 1, 1989; and

(B) The benefit unit below multiplied by years of benefit service after December 31, 1988.

Date of Retirement		
On or After	**But Before**	**Benefit Unit**
01-01-89	04-01-02	$15.00
04-01-02	04-01-03	$16.00
04-01-03	04-01-05	$17.25
04-01-05		$18.50
Closed		

Early Retirement

Salaried Participants

Eligibility is attainment of age 55 and completion of 10 years of vesting service.

Benefit is equal to either: (i) deferred benefit payable at age 65 equal to the normal pension but using average monthly compensation at time of early retirement and using his years of service only to the retirement date, or (ii) an immediate pension equal to (i) but reduced 0.5% for each month that early retirement precedes normal retirement date.

In addition to the regular plan benefit described above, a retiree medical account (RMA) benefit is also payable to participants at RMA eligible locations. The main provisions of the RMA are summarized in the Appendix.

If certain eligibility conditions are satisfied, a temporary pension supplement (TPS) is payable to participants at TPS eligible locations retiring prior to normal retirement. The main provisions of the TPS are summarized in the Appendix.

Hourly Participants

Age 55 and 10 years, reduced 0.5% per month preceding normal retirement date.

Disability Retirement

Salaried Participants

No provision is provided applicable to the salary related formula.

Hourly Participants

Eligible upon termination of employment on account of total and permanent disability. The disability benefit is equal to the 100% vested accrued benefit at the date of disability and is payable at the normal retirement date.

Termination

Salaried Participants

Eligible after three or more years of vesting service (five years prior to July 1, 2008).

Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.

Hourly Participants

Employees are vested in their benefits based on the following schedule:

Years of Vesting Service	Vesting Percent
0–1	0%
2	20%
3	40%
4	60%
5	80%
6+	100%

Participants become 100% vested on their normal retirement date regardless of their years of vesting service.

Deferred vested benefit equal to the normal retirement benefit payable at age 65.

Preretirement Spouse's Benefit	
Salaried Participants	Eligible upon the death of an active employee while eligible for a vested retirement benefit providing the employee had been married for one year preceding the date of death. The benefit payable to the surviving spouse is determined as though the employee had retired the day before the date of death, taken immediate early retirement, and accepted the 50% joint and survivor option.
Hourly Participants	Eligible upon the death of an active married employee. The Surviving spouse will receive 50% of the amount of the benefit that the employee would have received had the employee been 100% vested, terminated on the day of death, survived to normal retirement date, elected the 50% joint and survivor form then died the day after retirement. The surviving spouse will begin to receive this benefit at the later of the employee's date of death or normal retirement date.
Post-Termination Spouse's Benefit	
Salaried Participants	Eligible upon the death of a former employee while eligible for a vested benefit providing the employee had been married for one year preceding his date of death. If the former employee dies after the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had commenced payments the day before the date of death and accepted the 50% joint and survivor option. If the former employee dies prior to the attainment of age 55, the benefit payable to the surviving spouse is determined as though the former employee had survived to age 55 and commenced payments under the 50% joint and survivor option.

Hourly Participants	Eligible upon the death of a former employee while eligible for a vested benefit. The surviving spouse will receive 50% of the employee's vested benefit calculated as if the 50% joint and survivor form was elected, payable the later of the employee's date of death or normal retirement date.
Retirement Income Account (IRA)	
Salaried Participants	Plan participation was frozen as of April 1, 2004 to newly hired (and rehired) employees. Participants as of June 30, 2004 were given the following plan coverage choices: (A) Continued participation and full benefit accrual under the Consolidated Pension Plan; or (B) Frozen participation and accrued benefit amounts as of June 30, 2004 under the Consolidated Pension Plan, with future plan coverage and benefit accruals payable under a new Retirement Income Account (RIA) Plan. Note that service credits towards TPS benefit and RMA accruals and interest credits continue under the Consolidated Pension Plan to eligible participants as of the June 30, 2004 choice date.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, or 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life

Changes in Plan Provisions Since the Prior Year

None.

Former Denison Hydraulics Inc. Hourly Pension for Former Delaware and Marysville Employees (Sub-Plan 157)

Effective Date	January 1, 1987 as the Hagglunds Denison Hourly Pension Plan, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Participation	All inactive and retired participants of the Hagglunds Denison Hourly Pension Plan as of May 31, 1993 became participants of the Denison Hydraulics, Inc. Hourly Pension Plan for Former Delaware and Marysville Employees. Future eligibility to participate under the plan was frozen effective June 30, 1993.
Vesting Service	One year of vesting service is credited for each twelve-consecutive month period during which the participant completes at least 1,000 hours of service.
Benefit Service	One year of benefit service is credited for each twelve-consecutive month period beginning on the date the employee first performs an hour of service. Each fraction of a calendar month period greater than 14 days shall equal one-twelfth of a year of benefit service. Benefit Service accrual under the plan was frozen effective June 30, 1993.
Normal Retirement	Eligibility is attainment of age 65.
Marysville	The monthly benefit is the applicable benefit unit below multiplied by the years of credited service.

Date of Retirement	Benefit Unit
01-01-87 to 06-27-87	$13.00
06-28-87 to 06-25-88	$13.50
06-26-88 to 06-24-89	$14.00
06-25-89 to 06-30-90	$14.50
07-01-90 to 06-30-91	$15.00
07-01-91 to 06-30-92	$16.00
07-01-92 and After	$17.00

Delaware

The monthly benefit is the applicable benefit unit below multiplied by the years of credited service.

Date of Retirement	Benefit Unit
01-01-87 to 04-26-87	$14.50
04-27-87 to 04-24-89	$15.50
04-25-89 and After	$16.00

For both Marysville and Delaware participants, this amount will be reduced by the benefit earned as of December 12, 1986 under the Noncontributory Retirement and Disability Pension Plan of Abex Corporation.

Early Retirement

Eligibility is attainment of age 60 and completion of 10 years of service.

The early retirement benefit is equal to the normal retirement benefit reduced by 5/9 of 1% for each month the benefit commences before the participant's normal retirement date. Unreduced benefit available if certain age/service requirements are met.

Disability Retirement

Eligibility is 10 years of service for a Marysville participant (15 years of service for a Delaware participant) who is deemed to be permanently disabled.

The disability retirement benefit is a monthly benefit payable until normal retirement equal to the normal retirement benefit (calculated using benefit service at disability) unreduced by the benefit due from Abex (increased by 50% if the individual is not receiving Social Security Disability) but not less than $100.00. At normal retirement the normal retirement benefit is payable.

Termination

Eligible after five or more years of vesting service.

The deferred vested benefit is equal to the normal retirement benefit payable at age 65, or payable as early as age 60 with 10 years of service, reduced as for early retirement.

Preretirement Spouse's Benefit	The eligible surviving spouse of a vested participant will receive a pension payable at the participant's earliest retirement date or immediately if the participant was eligible for retirement on the date of death. The pension will equal one half of the pension due the participant had he or she terminated on the date before death and elected a 50% joint and survivor annuity at the first eligible age.
Postretirement Death Benefit	A death benefit of $1,550 is payable to a named beneficiary of a participant who is retired (not a vested separation) if such participant was insured for life insurance under the company's group insurance plan immediately prior to retirement.
Normal Forms of Payment	An employee will normally receive his benefit on a straight life basis or, if married, a reduced monthly benefits payable for life with 50% of the reduced benefit continuing to the participant's spouse upon death. Other optional forms available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Lump sum payout

Changes in Plan Provisions Since the Prior Year

None.

Former Denison Hydraulics Inc. Salaried Pension Plan (Sub-Plan 158)

Effective Date	January 1, 1987 as the Hagglunds Denison Salaried Pension Plan, as restated July 1, 2001 and amended through the valuation date, most recently by Amendment 16.
Eligibility	Each non-union salaried employee as of the effective date became a participant as of that date. Any other non-union salaried employee became a participant on his employment date or transfer date. All participants of the Hagglunds Denison Hourly Pension Plan as of June 15, 1993 became participants of the Denison Hydraulics, Inc. Salaried Pension Plan on that date. Future eligibility to participate under the plan was frozen effective December 31, 1994.
Vesting Service	A year of vesting service is granted for each year of employment commencing on the date the employee first performs an hour of service and ending on his or her date of retirement or termination; partial credit will be granted on the basis of completed days worked.
Benefit Service	A year of benefit service is granted for each year of employment commencing on the date the employee first performs an hour of service and ending on his or her date of retirement or termination; partial credit will be granted on the basis of completed days worked. Benefit service accrual under the plan was frozen effective December 31, 1994.
Final Average Earnings	The average of the highest 36 consecutive months of earnings prior to December 31, 1994, or, if earlier, on the date of termination or retirement. Earnings are limited to the Section 401(a)(l7) limit.
Normal Retirement	Eligibility is attainment of age 65. The benefit payable for life of the participant will be equal to (A) + (B) + (C) but not less than (D): (A) 0.8% of average annual compensation times years of credited service not in excess of 35 years. (B) 0.4% of average annual compensation in excess of covered compensation times years of credited service to a maximum of 35 years.

(C) 1.5% of average annual compensation times years of credited service in excess of 35 years.

Participants who are due benefits from a former "Recognized Employer" (including Abex Corporation, ASEA Hagglunds, Inc. or ABB Power Generation, Inc.) will have the above benefit offset by benefits accrued under plans sponsored by the former "Recognized Employers."

(D) The participant's accrued benefit under the prior plan in effect December 31, 1989.

Regular Early Retirement

Eligible at age 60 with a minimum of 10 years of service or if hired prior to age 35, and combined age and service total at least 75.

The early retirement benefit is the accrued portion of the normal retirement benefit reduced as follows.

(A) For participants who were hired prior to age 35, have completed more than 30 years of service and retire with combined age and service totaling at least 75, the monthly pension is reduced by ½ of 1% for each month the benefit commencement date precedes age 60.

(B) For participants who were hired prior to age 35, have completed less than 30 years of service and retire with combined age and service totaling at least 75, the Monthly pension is reduced by ½ of 1% for each month the benefit commencement date precedes the date the participant would have attained age 60 or 30 years of service, whichever is later.

(C) For all other participants, the monthly pension is reduced by ½ of 1% for each month the benefit commencement date precedes normal retirement.

Participants entitled to benefits payable under Items (A) and (B) above, are also entitled to an annual supplement equal to $33.00 times years of credited service, appropriately reduced, as noted above, payable until age 65. In no event should combined annual benefits (regular plus supplemental) payable to such participants prior to age 65 be less than $189.00 times years of credited service.

Termination	Eligible after three or more years of vesting service (five years prior to July 1, 2008). Deferred vested benefit equal to the normal retirement benefit payable at age 65, or payable as early as age 55, if reduced as for early retirement.
Preretirement Spouse's Benefit	The eligible surviving spouse of a vested participant will receive benefits payable at the participant's earliest retirement date or immediately if the participant was eligible for retirement on the date of death. The pension will equal one-half of the pension due the participant had he or she terminated on the day before death and elected a 50% joint and survivorship at the first eligible age.
Disability Benefit	A participant who is disabled prior to normal retirement or early retirement shall receive a benefit at normal retirement or early retirement assuming the participant continued to earn credited service and compensation at the rate of compensation in effect on the date of disability through that period, However, service and compensation earned after December 31, 1994 will not be considered.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis, unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Level income option

Changes in Plan Provisions Since the Prior Year

None.

Former Pension Plan for Hourly Paid Employees of Sporlan Valve Company and Jefferson Products Company (Sub-Plan 161)

Effective Date	January 1, 1985, as restated July 1, 2001 and amended through the valuation date, most recently Amendment 16. This plan was merged with the Parker Hannifin Corporation Pension Plan, effective December 31, 2004.
Eligibility	Hourly paid employees in covered service working at least 667 hours per year participate after one year of employment; provided however there shall be no new participants hired on or after January 1, 2002.
Covered Service	The period during which a person is an hourly paid employee excluding anyone covered by a collective bargaining agreement under which retirement benefits were the subject of good faith bargaining and anyone working for the division of Jefferson Products Company doing business as Cline or the business operation known as I Line Manufacturing.
Benefit Service	(A) Employment periods prior to January 1, 1959. For each calendar year prior to January 1, 1959: (i) One year, if paid for 2,000 or more hours of covered service; or (ii) One-twelfth year for each 167 paid hours of covered service. Provided that total benefit service for all periods prior to January 1, 1959 shall not exceed 20 years. (B) Employment periods after January 1, 1959. For each calendar year after December 31, 1958: (i) One year of service for each 12-month period of employment with prorated service (to the nearest one-tenth) for periods less than a full year.

	(ii) ¾ year for 1,000 to 1,333 hours of service; or (iii) ½ year for 667 to 999 hours of service. (iv) One-twelfth year for each 167 hours of service for total hours of service from 167 to 666. Effective January 1, 2002, an employee who returns to service on or after January 1, 2002, following a layoff of more than 18 months or termination of service for 14 or more calendar days shall not earn any fractional or full years of benefit service for periods beginning on or after such return to service.
Vesting Service	Continuous employment prior to January 1, 1976 plus each calendar year after December 31, 1975 in which a person has 1,000 hours of service or more.
Normal Retirement	(A) Eligible at age 65 with five years of benefit service (but not later than the later of age 65 or the fifth anniversary of plan participation). (B) For participants leaving covered employment after December 31, 1992: $6.00 times years of benefit service from January 1, 1939 to December 31, 1948; plus $13.00 times years of benefit service from January 1, 1949 to December 31, 1988; plus $17.00 times years of benefit service from January 1, 1989 to December 31, 1992; plus $19.00 times years of benefit service after December 31, 1992. Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.
Early Retirement	(A) Eligible at age 60 with 10 years of benefit service.

(B) Accrued benefit reduced by 3/9% for each month that early retirement precedes normal retirement date.

For participants who left covered employment before January 1, 1992, the reduction is 5/9% for each month that early retirement precedes normal retirement date.

Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.

Sporlan Plan participants actively employed and under age 50 on the December 31, 2004 plan merger date are eligible for the temporary pension supplement (TPS) upon retirement after attaining age 60 with at least 10 years of vesting service (but not age 55 with 20 years of vesting service), provided the participants are not eligible for Medicare. The main provisions of the TPS are summarized in the Appendix.

Late Retirement

(A) Eligible after normal retirement.

(B) Greater of accrued benefit at late retirement or actuarial equivalent of normal retirement benefit at late retirement.

Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.

Disability Retirement

(A) Eligible after 15 years of benefit service and termination due to covered total and permanent disability lasting at least six months.

(B) Accrued benefit.

Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.

Termination

Eligible after three years of vesting service (five years prior to July 1, 2008).

Full accrued benefit payable beginning at normal retirement or, with 10 years of benefit service, reduced early retirement benefit beginning from age 60 to 65.

Future benefit accruals under this plan ceased effective with the December 31, 2004 plan merger.

Form of Benefit	Five years certain and life normal form. Other options available are: ▪ 50%, 75%, or 100% joint and survivor ▪ 5, 10, 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Lump sum payout
Preretirement Death Benefit	Eligible if married and age 60 with 10 years of benefit service, married with five years of vesting service or unmarried and active with five years of vesting service. (A) If participant had been married and eligible for early retirement monthly benefit to spouse for life. For deaths occurring before January 1, 1990, accrued benefit reduced for 50% joint and survivor payment form. For deaths occurring on or after January 1, 1990, accrued benefit of participant. (B) If participant had been married and vested but not eligible for early retirement monthly benefit to spouse for life commencing at first date participant would have been able to commence vested deferred termination benefit. For deaths occurring before January 1, 1990, one half of accrued benefit reduced for 50% joint and survivor payment form. For deaths occurring on or after January 1, 1990, accrued benefit of participant. (C) If participant had been active, unmarried and vested monthly for 60 months. For deaths occurring after December 31, 1991, accrued benefit discounted by 6% per annum for the period between actual commencement and the month following the month containing the employee’s sixty-fifth birthday.

Changes in Plan Provisions Since the Prior Year

None.

Former Legris Inc. Retirement Plan (Sub-Plan 184)

Effective Date	The Legris, Inc. Retirement Plan was merged into the plan, effective July 1, 2010.
Eligibility	Age 20½ and one year of work with at least 1,000 hours. No employee hired on or after March 1, 2009 will become an active participant and no inactive participant of former participant will again become an active participant.
Vesting and Benefit Service	A year of vesting and benefit service is granted for each year of employment commencing on (1) the later of date the employee first performs an hour of service or reemployment or (2) January 1, 2010 and ending on his or her date of retirement or termination; partial credit will be granted on the basis of completed days worked.
Final Average Earnings	The average of the highest five years of compensation. Earnings are limited to the Section 401(a)(17) limit.
Normal Retirement	Eligibility is the later of attainment of age 65 or five years of vesting service. 48% of final average earnings × accrued benefit adjustment. The accrued benefit adjustment is the quotient of benefit service divided by the greater of 25 years or benefit service projected to the normal retirement date.
Early Retirement	Eligible at age 55 and six years of vesting service. The early retirement benefit is the accrued portion of the normal retirement benefit reduced 6⅔% for each year up to five and 3⅓% for each year between five and 10 that the early retirement date precedes the normal retirement date.
Termination	Eligible after two or more years of vesting service. The accrued benefit is 20% vested after two years of vesting service, increasing 20% per year to 100% after six years of vesting service. Deferred vested benefit is equal to the vested portion of the accrued benefit at normal retirement age.

Preretirement Spouse's Benefit	The eligible surviving spouse of a vested participant will receive benefits payable at the participant's earliest retirement age or immediately if the participant was eligible for retirement on the date of death. The pension will equal one half of the pension due the participant had he or she terminated on the day before death and elected a 50% joint and survivorship at the first eligible age.
Forms of Payment	A married employee shall receive his benefit on a 50% joint and survivor actuarially equivalent reduced basis, unless the employee elects (with spousal consent) a life annuity. A single employee shall receive the benefit on a life annuity basis. Other options available are: ▪ 50%, 66⅔%, 75%, or 100% joint and survivor ▪ 5, 10, 15-year certain and life ▪ 50% joint and survivor with 10-year certain and life ▪ Level income option Any form of payment other than a life annuity will be reduced based on the ages of the participant and spouse (or beneficiary) when the benefits begin using factors based on the mortality table set forth in Revenue Ruling 95-6 and a 7.5% interest rate.

Changes in Plan Provisions Since the Prior Year

None.

Snap-Tite, Inc. Pension Plan (Sub-Plan 188)

Effective Date	June 1, 1963; as and last amended and restated effective June 1, 2010. The plan was merged into the Consolidated Pension Plan as of December 31, 2012.
Eligibility	All non-union employees are eligible to participate on the June 1 or December 1 following completion of one (1) year of service. Plan was frozen to all new participants effective May 31, 2006. An employee who was employed by Autoclave Engineers, Inc. shall commence earning credited service effective January 1, 1996. An employee who was employed by National Fire Hose, Inc. shall commence earning credited service effective February 1, 1998.
Service Eligibility	Completion of 1,000 hours of service during the 12-month period following employee's first hour of service, or any plan year.
Credited Service	Years and months of employment completed prior to June 1, 1975. A year of service shall be credited for each plan year after June 1, 1975 in which the employee works 1,000 hours of service. If the member works less than 1,000 hours in the last plan year, he will receive credit for any month that he works 83 hours of service. Service prior to June 1, 1978 is excluded for benefit accrual purposes for Airmatic-Allied employees as of that date. Credited service was frozen as of May 31, 2006.
Compensation	Gross calendar year compensation.
Average Annual Compensation	Average of the highest five consecutive calendar years' compensation in the last 10 calendar years preceding date of determination.

Retirement Dates	
Early	Age 60 with five years of service.
Normal	Age 65 with five years of service.
Late	Any time after normal retirement date.
Disability	Receiving Social Security disability benefits.
Retirement and Termination Benefits	
Accrued Benefit	For employees who were under the Office and Salaried Plan: Equal to the greater of (a) or (b): (a) The accrued benefit to June 1, 1975 under the Group Annuity contract plus 1% of final average annual compensation times the number of years of credited service since June 1, 1975 up to 25 years. (b) The projected benefit under the prior Group Annuity contract (Table I of the plan document) times the ratio of service to date over potential service up to normal retirement date. For employees who were under the Executive Plan and all other employees joining the plan on or after June 1, 1978: Equal to 1% of average annual compensation times the number of years of credited service up to a maximum of 25 years.
Early Retirement	Accrued benefit reduced by 3% for each year the benefit commencement date precedes normal retirement date.
Normal Retirement	Accrued benefit.
Late Retirement	Actuarial equivalent of benefit that would have been payable at normal retirement date.
Disability	Accrued benefit reduced by 3% for each of the first 10 years and actuarially for years beyond 10 that benefit commencement date precedes normal retirement date.
Vested Termination	Accrued benefit at date of termination times the percentage vested.
Vesting Schedule	A participant is 100% vested in his accrued benefit upon completion of five years of credited service.

Preretirement Death Benefits	In the case of any participant or terminated participant who dies prior to the commencement of benefits under this plan when he is vested in any portion of his accrued benefit, a death benefit shall be payable to his surviving spouse in accordance with paragraph (a) or (b) below as applicable. (a) If a participant dies after the earliest retirement age, the participant's surviving spouse (if any) will receive the same benefit that would have been payable if the participant had retired with an immediate qualified joint and survivor annuity on the day before the participant's date of death. The spouse may elect to start benefits later than the date on which payments would have been made to the surviving spouse under a qualified joint and survivor annuity. If payments are delayed, they shall be adjusted using the early retirement factors. (b) If a participant dies on or before the earliest retirement age, the participant's surviving spouse (if any) will receive the same benefit that would be payable if the participant had: (i) Separated from service on the date of death; (ii) Survived to the earliest retirement age; (iii) Retired with an immediate qualified joint and survivor annuity at the earliest retirement age; and (iv) Died on the day after the earliest retirement age. If a participant's death occurs after his normal retirement date and before he actually retires, payments shall be made to his spouse as if the participant had retired on his date of death and selected the 100% contingent annuitant option to his spouse.
Employee Contributions	None required.

Payment Forms

Normal	Life only annuity, automatically payable as a 50% joint and survivor annuity to married participants.
Optional	Optional forms are: ▪ Life annuity with five-years certain and guaranteed. ▪ Life annuity with 10-years certain and guaranteed. ▪ 75% joint and survivor spousal annuity. ▪ 100% joint and survivor spousal annuity.

Plan Changes Since the Prior Year

None.

Former QD&V Union City Plan Production Employees' Pension Plan (Sub-Plan 189)

Effective Date	June 1, 1978; as last amended and restated effective June 1, 2010. The plan was merged into the Consolidated Pension Plan as of December 31, 2012.
Eligibility	All employees who are employed as a production employee at the QD&V Union City Plant are eligible to participate 30 days after their date of employment. Plan was frozen to new participants as of May 31, 2006.
Retirement Dates	
Early	Age 60 and 10 years of service.
Normal	Age 65 and five years of participation.
Late	Any time after normal retirement date.
Disability	Ten years of credited service and is eligible and receiving Social Security disability benefits.
Retirement and Termination Benefits	
Accrued Benefit	A monthly benefit equal to the product of the benefit multiplier in effect as of retirement, termination, disability, or death and the participant's years and months of credited service. Credited service is years and months of employment completed from date of hire to termination of employment. Plan was frozen for all future benefit accruals effective May 31, 2006. The negotiated benefit multipliers are as follows:

Effective Date	Benefit Multiplier
Prior to November 18, 1996	$18.00
November 18, 1996 through May 31, 1997	$18.50
June 1, 1997 through May 31, 1998	$19.00
June 1, 1998 through September 30, 1999	$19.50
October 1, 1999 through May 31, 2000	$20.00
June 1, 2000 and After	$20.50

Early Retirement	Accrued benefit reduced by one-fifteenth for each year the benefit commencement date precedes normal retirement date.
Normal Retirement	Accrued benefit.
Late Retirement	Accrued benefit determined as of actual retirement date.

Disability	Accrued benefit reduced by one-fifteenth for each of the first five years and actuarially for years beyond five that benefit commencement date precedes normal retirement date.
Minimum Benefit	In all instances, if the actuarial value of the benefit is less than the account balance from the prior plan, the account balance will be the benefit.
Vested Termination	If a member has completed less than five years of credited service, 100% of his account balance will be payable. If a member has completed at least five years of credited service, he will be entitled to the greater of his monthly accrued benefit or the monthly benefit provided by his account balance.
Preretirement Death Benefits	If death occurs prior to completing five years of service or while the member is not married, no benefits shall be payable from this plan. Upon the death of a married member who qualifies for early retirement, the member’s spouse shall receive a monthly benefit for life based on the benefit payable under a joint and 50% survivor annuity which the member’s spouse would receive assuming the member retired on the day before his death. The spouse of any married vested participant who was not eligible for early retirement is also eligible for a benefit if the participant should die prior to his normal retirement date. The monthly pension payable at the participant’s earliest retirement date will be an amount equal to the benefit calculated as though the participant survived to his earliest retirement age, selected a 50% qualified joint and survivor annuity, and died on the day after the day of attaining the earliest retirement age. This amount will not be less than the monthly benefit that his account balance would purchase for the member’s spouse under a life only annuity.
Employee Contributions	None required.

Payment Forms

Normal	Life only annuity, automatically payable as a 50% joint and survivor annuity to married participants.
Optional	Optional forms are: ▪ Life annuity with five years certain and guaranteed. ▪ Life annuity with 10 years certain and guaranteed. ▪ 75% joint and survivor spousal annuity. ▪ 100% joint and survivor spousal annuity.

Plan Changes Since the Prior Year

None.

Former PONN Manufacturing Plant Production Employees' Pension Plan (Sub-plan 190)

Effective Date	The plan became effective April 1, 1996 and has been most recently amended and restated effective June 1, 2010. The plan was merged into the Consolidated Pension Plan as of December 31, 2012.
Eligibility	All employees employed as a production employee located at the PONN manufacturing plant are eligible to participate 30 days after their date of employment. The plan was frozen to new participants as of May 31, 2006.
Retirement Dates	
Early	Age 60 and 10 years of service. The benefit earned under the Snap-Tite, Inc. Pension Plan is payable at age 60 and five years of service.
Normal	Age 65 and five years of participation.
Late	Any time after normal retirement date.
Disability	Ten years of credited service and is eligible and receiving Social Security disability benefits.
Retirement and Termination Benefits	Upon retirement, termination, disability, or death, a participant shall be entitled to receive the sum of their benefit earned under the provisions of the Snap-Tite, Inc. Pension Plan as of April 1, 1996 which was transferred to this plan, plus the product of the participant's years and months of credited service since April 1, 1996 and the benefit multiplier in effect as of retirement, termination, disability, or death. Credited service is years and months of employment completed from date of hire (but never prior to April 1, 1996) to termination of employment. The plan was frozen for all future benefit accruals effective May 31, 2006. The negotiated benefit multipliers are as follows:

Effective Date	Benefit Multiplier
April 1, 1996 through March 31, 1997	$18.00
April 1, 1997 through March 31, 1998	$18.50
April 1, 1998 through March 31, 1999	$19.00
April 1, 1999 through October 7, 2000	$19.50
October 8, 2000 and After	$20.50

Early Retirement	Accrued benefit reduced by one-fifteenth for each year the benefit commencement date precedes normal retirement date. The accrued benefit earned under the Snap-Tite, Inc. Pension Plan which has been transferred to this plan shall be subject to a 3% per year early retirement reduction factor.
Normal Retirement	Accrued benefit.
Late Retirement	Accrued benefit determined as of actual retirement date.
Disability	Accrued benefit reduced by one-fifteenth for each of the first five years and actuarially for years beyond five that benefit commencement date precedes normal retirement date. The accrued benefit earned under the Snap-Tite, Inc. Pension Plan which has been transferred to this plan shall be subject to a 3% per year reduction factor for the first five years and actuarially for years beyond five that benefit commencement date precedes normal retirement date.
Vested Termination	If a member has completed less than five years of credited service, (including service prior to April 1, 1996) no benefits shall be payable from the plan. If a member has completed at least five years of credited service, he will be entitled to his monthly accrued benefit.
Preretirement Death Benefits	If death occurs prior to completing five years of service or while the member is not married, no benefits shall be payable from this plan. Upon the death of a married member who qualified for early retirement, the member's spouse shall receive a monthly benefit for life based on the benefit payable under a joint and 50% survivor annuity which the member's spouse would receive assuming the member retired on the day before his death. The spouse of any married vested participant who is not eligible for early retirement is also eligible for a benefit if the participant should die prior to his normal retirement date. The monthly pension payable at the participant's earliest retirement date will be an amount equal to the benefit calculated as though the participant survived to

	his earliest retirement age, selected a 50% qualified joint and survivor annuity, and died on the day after the day of attaining the earliest retirement age.
Employee Contributions	None required.
Payment Forms	
Normal	Life only annuity, automatically payable as a 50% joint and survivor annuity to married participants.
Optional	Optional forms are: ▪ Life annuity with five years certain and guaranteed. ▪ Life annuity with 10 years certain and guaranteed. ▪ 75% joint and survivor spousal annuity. ▪ 100% joint and survivor spousal annuity.

Plan Changes Since the Prior Year

None.

Appendix—RMA and TPS Benefits

RMA Benefits (Active Participants)

A retiree medical account (RMA) opening balance was established on the opening balance date for all active participating employees as of the effective date at RMA eligible locations. This opening balance was calculated as follows:

- An annual RMA credit is assumed to be granted to each RMA eligible participant on each December 31 from the RMA accrual date to the opening balance date.
- Each annual RMA credit is accumulated using a 6% annual interest rate from the December 31 date. It is credited to the opening balance date.

After the establishment of the opening balance, interest will be credited to the RMA at the end of each month based on a 6% annual interest rate. These monthly interest credits will continue until the date of benefit commencement.

Each eligible participant will also receive an annual RMA credit on each December 31 as long as the participant remains an employee. The annual RMA credit, which is based on the age of the participant at the RMA accrual date, will be the same annual RMA credit that was used to determine the opening balance. The RMA accrual date is generally the participant's original date of hire or the credited service date for some acquisitions.

The table below shows the annual RMA credit based on several sample participant ages on their accrual dates:

Age on RMA Accrual Date	Annual RMA Credit
25	$185
30	$230
35	$295
40	$380
45	$510
50	$500
55	$850
60	$850

Upon benefit commencement, the accumulated RMA balance is converted to a monthly annuity as follows:

- For unmarried participants, the benefit will be paid as a life annuity.
- For married participants, the benefit will be paid as a 50% qualified joint and survivor annuity (without any actuarial reduction).

The basis upon which the RMA balance is converted to a monthly annuity is the 1994 Group Annuity Reserving Table, a 7% annual rate of interest, plus a 10% increase in the resulting annuity conversion factor. The conversion factors are based on the participant's age at benefit commencement.

A preretirement survivor benefit is available if the participant is not eligible for early retirement at the time of death, but has completed five or more years of vesting service. This RMA preretirement survivor benefit is payable as early as the date the participant would have attained age 55 in an amount equal to 50% of the benefit that would have been payable had the participant survived until the earliest possible retirement age under the plan. If the participant is eligible for early retirement at the time of death, the RMA preretirement survivor benefit is payable immediately and is equal to 50% of the benefit that would have been payable had the participant retired the day before death.

RMA Benefits (Retired Participants on June 1, 2001)

The RMA benefit for this group is an additional monthly pension paid effective June 1, 2001. Retirees in payment status (or deferred retirees) on June 1, 2001 who were eligible for retiree medical now receive an RMA benefit based on their years of service at termination. The amount of the monthly RMA benefit is determined by the table below:

Years of Service	RMA Benefit
10–19	$120
20–29	$160
30 and Over	$200

Surviving spouses in payment status on June 1, 2001 receive one half of the RMA that the participant would have received based the participant's service.

TPS Benefits (Active Participants)

A participant may also be eligible to receive a temporary pension supplement (TPS) at benefit commencement if retiring from active service prior to normal retirement and meeting certain eligibility conditions. Participants retiring under normal, early or disability retirement, will receive the TPS payable until age 65 if the participant retires at age 60 with 10 or more years of service, or at age 55 with 20 or more years of service. Participants retiring under normal, early or disability retirement who were at least age 50 with five or more years of service on July 1, 2001 will be eligible for the supplement if the participant retires on or after age 55 with 10 or more years of service. For this latter group of participants, the supplement will continue to be paid through the later of the month prior to the participant's sixty-fifth birthday or the spouse's sixty-fifth birthday. The TPS is payable as a life annuity for participants who are not married at the time of commencement and as a 50% qualified joint and survivor annuity (without any actuarial reduction) for participants who are married at the time of commencement.

The amount of the monthly TPS is determined by the table below:

Years of Service	Monthly TPS to Age 65
10–14	$180
15–19	$230
20–24	$300
25–29	$370
30–34	$450
35–39	$500
40 and Over	$550

A preretirement survivor benefit is available if the participant is eligible for the TPS at the time of death; the surviving spouse will receive a benefit equal to 50% of the TPS amount that the participant would have been entitled to, had the participant retired the day before death. This preretirement survivor TPS benefit is payable until the month prior to the former participant's sixty-fifth birthday. If the employee was age 50 or older with five or more years of service on July 1, 2001 and died after attaining age 55 with at least 10 years of service, the preretirement survivor TPS benefit payable to the surviving spouse continues until the later of the month prior to the participant's sixty-fifth birthday or the surviving spouse's sixty-fifth birthday.

TPS Benefits (Retired Participants on June 1, 2001

Retirees who were under age 65 or retirees who have spouses who were under age 65 as of June 1, 2001 receive the TPS to the later of the month before the retiree or spouse turns age 65. The amount of the TPS is determined by the table below:

Years of Service	TPS Benefit
10–19	$210
20–29	$330
30 and Over	$450

Retirees at the Stratoflex locations (HRIS codes 27400, 27800, 28400 and now receive a TPS benefit, which is payable only until the later of the month before the retiree or spouse turns age 65. The amount of the TPS is based on the table below:

Years of Service	Stratoflex TPS Benefit
10–19	$270
20–29	$410
30 and Over	$550

	If a retiree in pay status as of June 1, 2001 subsequently dies, the surviving spouse will continue to receive one half of the RMA plus one half of the TPS, if applicable. Surviving spouses in pay status on June 1, 2001 receive one half of the TPS that the participant would have received based on his or her age and service.
Millennium Increase	The "Millennium Increase" is a one-time pension (Retired Participants on June 1, 2001) increase for all normal, early and disabled retirees, plus surviving spouses, who had attained age 65 as of June 1, 2001 and in who were payment status on that date. The pension increase was 2% for each year the participant was over age 65 (or retirement date, if later), with a maximum increase of 10%. The minimum benefit increase was $5.00 per month for each year the participant was over age 65 (or retirement date, if later), or at least $25.00 per month.

Plan Changes Since the Prior Year

The funding valuations reflects the following plan changes.

- Effective June 1, 2017, the plan year will be from June 1 to May 31.
- Parker-Hannifin Consolidated Pension Plan (EIN: 34-0451060; PN: 001) ("Parker Plan") was merged into the PECO Plan effective as of the close of June 30, 2017.
- CLARCOR Inc. Pension Plan (EIN: 36-0922490; PN: 003) ("CLARCOR Plan") was merged into the PECO Plan effective as of the close of November 30, 2017.
- Prior to merging, the CLARCOR Plan was amended to update the definition of actuarial equivalence effective November 30, 2017.
- Following the mergers, the Retirement Plan for Employees of Perry Equipment Corporation ("PECO Plan") was renamed Parker-Hannifin Consolidated Pension Plan – A.
- Many locations had an increase in the multiplier used in the benefit formula and/or an increase in the maximum years of participation. See the Plan Provisions section for details.
  - For the funding valuation, any multiplier changes adopted on or before September 1, 2017 were reflected in the valuation as allowed through an optional election under the Pension Protection Act of 2006. The multiplier becoming effective during the current plan year was used in the benefit formula and was considered effective as of the beginning of the plan year, in accordance with the Pension Protection Act of 2006.
- A change in the mortality for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Other Information to Fully and Fairly Disclose the Actuarial Position of the Plan

Due to software limitations with the electronic filing process, information filed electronically cannot be controlled by the Enrolled Actuary. The values on the signed Schedule SB will govern to the extent there are any differences in the entries filed electronically and the actual data contained on the signed Schedule SB.

The Enrolled Actuary changed from Chris Noble to Gregory H. Reynolds due to a change in actuarial firms. Additionally, Aon was selected to be the actuarial firm beginning with the 2017 plan year funding valuation.

Plan Mergers

The following mergers occurred during the 2017 plan year:

- Parker-Hannifin Consolidated Pension Plan (EIN: 34-0451060; PN: 001) ("Parker Plan") was merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of June 30, 2017.
- CLARCOR Inc. Pension Plan (EIN: 36-0922490; PN: 003) ("CLARCOR Plan") was merged into the PECO Plan (EIN: 26-1200603; PN 001) effective as of the close of November 30, 2017.

Following the mergers, the Retirement Plan for Employees of Perry Equipment Corporation ("PECO Plan") was renamed Parker-Hannifin Consolidated Pension Plan – A.

Following the required procedures under Revenue Procedure 2017-57, approval was requested for a funding method change for the 2017 plan year due to the plan mergers. The IRS approved the method changes on May 29, 2019. Details of the funding method changes can be found in the Line 25 attachment.

The following line items have been adjusted on the 2017 Schedule SB to reflect the mergers:

- Line 6, Target normal cost;
- Lines 7 through 13, Part II Beginning of Year Carryover and Prefunding Balances;
- Line 22; Weighted average retirement age;
- Line 31 (a), Target normal cost;
- Line 31 (b); Excess assets;
- Line 32 (a), Net shortfall amortization installment; and
- Line 34, Total funding requirement before reflecting carryover/prefunding balances.
- Line 35; Balances elected for use to offset funding requirement

All other line items reflect the Plan prior to the merger.

The development of Lines 7 through 13 and Line 22 can be found in other Attachments.

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Lines 6, 31 (a), 31 (b), 32 (a), 34, and 35 were developed as follows:

	PECO Plan (full year)	Parker Plan (from 7/1/17 to 5/31/18)	CLARCOR Plan (from 12/1/17 to 5/31/18)	Total Shown on 2017 SB
Target Normal Cost, Line 6 and Line 31 (a)	74,736	38,482,549	593,001	39,150,286
Excess Assets (not greater than Target Normal Cost), Line 31 (b)	74,736	0	593,001	667,737
Outstanding Balance of Shortfall Amortizations, Line 32 (a)	0	145,521,757	0	145,521,757
Shortfall Amortization Installment, Line 32 (a)	0	22,809,808	0	22,809,808
Total Funding Requirement, Line 34	0	61,292,357	0	61,292,357
Balances Elected for use to offset funding requirement, Line 35	0	67,079,074	0	67,079,074

Parker-Hannifin Consolidated Pension Plan - A
Schedule H, Line 4(i) – Schedule of Assets (Held at End of Year)
May 31, 2018
EIN 26-1200603

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost	(e) Current value
	CASH	CASH/CASH EQUIV; US (MOSTLY INVESTMENT FUNDS) & FOREIGN	$ 6,454,578	$ 6,451,902
*	CASH	CASH/CASH EQUIV; VAR RT 12/31/49 FEE CL 13; INVESTMENT FUND	35,136,227	35,136,227
*	CASH	CASH/CASH EQUIV; 01/01/49 DD 07/01/08	2,036,000	2,036,000
	ALTICE NV	EQUITY SECURITY; No. of SHARES - 166661	1,152,194	1,357,092
	COSMOS PHARMACEUTICAL CORP	EQUITY SECURITY; No. of SHARES - 2000	449,345	431,865
	RED LION HOTELS CORP	EQUITY SECURITY; No. of SHARES - 17600	196,582	191,840
	DEXCOM INC	EQUITY SECURITY; No. of SHARES - 4230	217,512	372,198
	OIL SEARCH LTD	EQUITY SECURITY; No. of SHARES - 35213	206,083	220,345
	VALE SA	EQUITY SECURITY; No. of SHARES - 76300	770,330	1,037,330
	BANK OF IRELAND GROUP PLC	EQUITY SECURITY; No. of SHARES - 44275	357,996	365,393
	AIB GROUP PLC	EQUITY SECURITY; No. of SHARES - 78625	424,304	428,975
	DWS GROUP GMBH & CO KGAA	EQUITY SECURITY; No. of SHARES - 6678	263,063	212,810
	COVESTRO AG	EQUITY SECURITY; No. of SHARES - 10300	1,194,808	937,087
	EURONEXT NV	EQUITY SECURITY; No. of SHARES - 8863	631,885	562,810
	ORPEA	EQUITY SECURITY; No. of SHARES - 7718	939,151	1,011,736
	SAMPO OYJ	EQUITY SECURITY; No. of SHARES - 13324	668,547	654,475
	INDUSTRIA DE DISENO TEXTIL SA	EQUITY SECURITY; No. of SHARES - 9678	304,831	305,135
	UBISOFT ENTERTAINMENT SA	EQUITY SECURITY; No. of SHARES - 8713	724,267	942,009
	KONINKLIJKE KPN NV	EQUITY SECURITY; No. of SHARES - 334739	1,196,432	909,254
	WIZZ AIR HOLDINGS PLC	EQUITY SECURITY; No. of SHARES - 25830	948,571	1,169,291
	CAPITA PLC	EQUITY SECURITY; No. of SHARES - 136300	244,245	245,481
	INTERCONTINENTAL HOTELS GROUP	EQUITY SECURITY; No. of SHARES - 4300	230,447	275,447
	WEIR GROUP PLC/THE	EQUITY SECURITY; No. of SHARES - 14694	449,215	428,397
	LONDON STOCK EXCHANGE GROUP PL	EQUITY SECURITY; No. of SHARES - 48200	2,536,302	2,871,428
	MICRO FOCUS INTERNATIONAL PLC	EQUITY SECURITY; No. of SHARES - 89528	1,805,165	1,588,009
	CK ASSET HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 41500	353,969	346,532
	SUZUKI MOTOR CORP	EQUITY SECURITY; No. of SHARES - 4200	212,678	242,076
	DAIKIN INDUSTRIES LTD	EQUITY SECURITY; No. of SHARES - 3700	430,832	428,423
	TDK CORP	EQUITY SECURITY; No. of SHARES - 4400	419,711	396,079
	HOYA CORP	EQUITY SECURITY; No. of SHARES - 13000	664,951	774,532
	TREND MICRO INC/JAPAN	EQUITY SECURITY; No. of SHARES - 5000	280,760	284,413
	INPEX CORP	EQUITY SECURITY; No. of SHARES - 33700	396,980	376,564

TSURUHA HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 5700	803,282	849,399
BORR DRILLING LTD	EQUITY SECURITY; No. of SHARES - 62568	250,751	321,154
TELEFONAKTIEBOLAGET LM ERICSSO	EQUITY SECURITY; No. of SHARES - 71024	477,870	514,362
DBS GROUP HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 53600	1,180,923	1,136,964
CITY DEVELOPMENTS LTD	EQUITY SECURITY; No. of SHARES - 21600	212,321	181,043
CATCHER TECHNOLOGY CO LTD	EQUITY SECURITY; No. of SHARES - 23000	254,662	267,527
GLACIER BANCORP INC	EQUITY SECURITY; No. of SHARES - 9140	317,031	356,369
HOME BANCSHARES INC/AR	EQUITY SECURITY; No. of SHARES - 17040	420,598	392,261
TRIUMPH BANCORP INC	EQUITY SECURITY; No. of SHARES - 9394	354,641	385,624
WELLS FARGO & CO	EQUITY SECURITY; No. of SHARES - 56897	3,123,028	3,071,869
AMGEN INC	EQUITY SECURITY; No. of SHARES - 12616	2,355,646	2,266,086
LOXO ONCOLOGY INC	EQUITY SECURITY; No. of SHARES - 11992	938,440	2,126,541
ORION ENGINEERED CARBONS SA	EQUITY SECURITY; No. of SHARES - 10280	267,129	295,036
HEALTHCARE SERVICES GROUP INC	EQUITY SECURITY; No. of SHARES - 10742	494,501	388,323
RITCHIE BROS AUCTIONEERS INC	EQUITY SECURITY; No. of SHARES - 14290	465,428	487,003
AGILYSYS INC	EQUITY SECURITY; No. of SHARES - 24511	307,250	348,546
CARBON BLACK INC	EQUITY SECURITY; No. of SHARES - 10958	270,274	257,623
EPAM SYSTEMS INC	EQUITY SECURITY; No. of SHARES - 3180	348,023	391,712
PURE STORAGE INC	EQUITY SECURITY; No. of SHARES - 24720	488,120	530,491
WNS HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 8710	307,106	445,429
AXA EQUITABLE HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 57752	1,155,040	1,233,583
NOVANTA INC	EQUITY SECURITY; No. of SHARES - 3270	187,762	212,060
COHERENT INC	EQUITY SECURITY; No. of SHARES - 1025	197,028	171,226
ROGERS CORP	EQUITY SECURITY; No. of SHARES - 1880	248,493	214,245
IMAX CORP	EQUITY SECURITY; No. of SHARES - 20490	409,452	428,241
CORESITE REALTY CORP	EQUITY SECURITY; No. of SHARES - 3620	362,087	384,299
ALIGN TECHNOLOGY INC	EQUITY SECURITY; No. of SHARES - 12200	3,186,814	4,049,790
AXOGEN INC	EQUITY SECURITY; No. of SHARES - 8680	245,412	426,188
HANGER INC	EQUITY SECURITY; No. of SHARES - 11805	192,556	204,463
INTERSECT ENT INC	EQUITY SECURITY; No. of SHARES - 9700	360,367	413,705
ENCOMPASS HEALTH CORP	EQUITY SECURITY; No. of SHARES - 12274	526,196	794,742
NEWELL BRANDS INC	EQUITY SECURITY; No. of SHARES - 85726	2,319,992	2,021,419
BOOKING HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 2265	2,517,647	4,776,704
CARS.COM INC	EQUITY SECURITY; No. of SHARES - 13550	327,603	347,964
YANDEX NV	EQUITY SECURITY; No. of SHARES - 10000	335,360	335,200
LCI INDUSTRIES	EQUITY SECURITY; No. of SHARES - 3960	387,932	347,292
HILTON GRAND VACATIONS INC	EQUITY SECURITY; No. of SHARES - 11810	490,083	469,566
GENERAL ELECTRIC CO	EQUITY SECURITY; No. of SHARES - 159148	2,189,768	2,240,804

HALLIBURTON CO	EQUITY SECURITY; No. of SHARES - 46067	2,012,442	2,291,373
CARDINAL HEALTH INC	EQUITY SECURITY; No. of SHARES - 16760	1,223,398	873,028
CATALENT INC	EQUITY SECURITY; No. of SHARES - 8458	374,876	332,061
HUTCHISON CHINA MEDITECH LTD	EQUITY SECURITY; No. of SHARES - 7900	267,041	229,890
MERCK & CO INC	EQUITY SECURITY; No. of SHARES - 38703	2,220,351	2,303,990
SUPERNUS PHARMACEUTICALS INC	EQUITY SECURITY; No. of SHARES - 7812	329,194	440,206
BOOT BARN HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 22240	222,847	526,643
FLOOR & DECOR HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 8519	386,174	400,393
FLOOR & DECOR HOLDINGS INC	EQUITY SECURITY; No. of SHARES - 19286	891,540	906,442
ACTIVISION BLIZZARD INC	EQUITY SECURITY; No. of SHARES - 32700	2,139,023	2,318,757
LIVEPERSON INC	EQUITY SECURITY; No. of SHARES - 30300	361,508	586,305
MICRO FOCUS INTERNATIONAL PLC	EQUITY SECURITY; No. of SHARES - 32485	818,436	574,985
WORKDAY INC	EQUITY SECURITY; No. of SHARES - 14200	1,850,875	1,859,632
NICE LTD	EQUITY SECURITY; No. of SHARES - 4000	327,731	423,000
GENESEE & WYOMING INC	EQUITY SECURITY; No. of SHARES - 3920	279,830	306,191
SEEK LTD	EQUITY SECURITY; No. of SHARES - 51476	569,828	786,776
NEWCREST MINING LTD	EQUITY SECURITY; No. of SHARES - 41344	625,728	649,434
AMCOR LTD/AUSTRALIA	EQUITY SECURITY; No. of SHARES - 27000	289,414	287,239
REA GROUP LTD	EQUITY SECURITY; No. of SHARES - 4908	183,838	318,667
HYPERA SA	EQUITY SECURITY; No. of SHARES - 102800	713,529	778,443
ENBRIDGE INC	EQUITY SECURITY; No. of SHARES - 33200	1,398,854	1,031,166
ALIMENTATION COUCHE-TARD INC	EQUITY SECURITY; No. of SHARES - 19100	796,713	797,159
DKSH HOLDING AG	EQUITY SECURITY; No. of SHARES - 10142	746,807	810,349
UBS GROUP AG	EQUITY SECURITY; No. of SHARES - 40588	680,074	613,093
LAFARGEHOLCIM LTD	EQUITY SECURITY; No. of SHARES - 8658	512,041	444,217
ADECCO GROUP AG	EQUITY SECURITY; No. of SHARES - 13372	1,046,480	804,143
PARTNERS GROUP HOLDING AG	EQUITY SECURITY; No. of SHARES - 3083	653,389	2,232,831
JULIUS BAER GROUP LTD	EQUITY SECURITY; No. of SHARES - 21112	986,558	1,234,808
NESTLE SA	EQUITY SECURITY; No. of SHARES - 23203	1,783,106	1,755,507
SONOVA HOLDING AG	EQUITY SECURITY; No. of SHARES - 2278	306,569	398,552
CIE FINANCIERE RICHEMONT SA	EQUITY SECURITY; No. of SHARES - 10364	684,317	952,379
CARLSBERG A/S	EQUITY SECURITY; No. of SHARES - 24204	2,313,444	2,687,414
GENMAB A/S	EQUITY SECURITY; No. of SHARES - 12267	1,115,337	1,842,969
NOVO NORDISK A/S	EQUITY SECURITY; No. of SHARES - 47903	1,605,038	2,272,116
DSV A/S	EQUITY SECURITY; No. of SHARES - 22916	1,345,238	1,902,554
JCDECAUX SA	EQUITY SECURITY; No. of SHARES - 19883	657,851	617,835
MTU AERO ENGINES AG	EQUITY SECURITY; No. of SHARES - 6932	638,665	1,308,432
AIRBUS SE	EQUITY SECURITY; No. of SHARES - 44590	2,869,154	5,064,976

SAFRAN SA	EQUITY SECURITY; No. of SHARES - 35699	2,653,340	4,256,738
LVMH MOET HENNESSY LOUIS VUITT	EQUITY SECURITY; No. of SHARES - 13959	2,402,957	4,840,234
HERMES INTERNATIONAL	EQUITY SECURITY; No. of SHARES - 1341	583,191	952,985
KERING SA	EQUITY SECURITY; No. of SHARES - 4942	1,023,690	2,824,980
DAIMLER AG	EQUITY SECURITY; No. of SHARES - 19791	1,230,710	1,424,933
BAYERISCHE MOTOREN WERKE AG	EQUITY SECURITY; No. of SHARES - 6338	526,189	631,671
RHEINMETALL AG	EQUITY SECURITY; No. of SHARES - 20940	2,263,376	2,666,760
KBC GROUP NV	EQUITY SECURITY; No. of SHARES - 18910	1,417,467	1,461,275
BANKIA SA	EQUITY SECURITY; No. of SHARES - 239562	920,127	907,714
BNP PARIBAS SA	EQUITY SECURITY; No. of SHARES - 11323	623,550	701,312
INTESA SANPAOLO SPA	EQUITY SECURITY; No. of SHARES - 101117	258,573	303,937
PERNOD RICARD SA	EQUITY SECURITY; No. of SHARES - 19761	2,009,468	3,314,730
BRENNTAG AG	EQUITY SECURITY; No. of SHARES - 13887	696,145	799,816
L'OREAL SA	EQUITY SECURITY; No. of SHARES - 7535	1,347,095	1,808,376
DEUTSCHE BOERSE AG	EQUITY SECURITY; No. of SHARES - 12490	1,417,967	1,667,904
IBERDROLA SA	EQUITY SECURITY; No. of SHARES - 218338	1,662,368	1,547,546
ENEL SPA	EQUITY SECURITY; No. of SHARES - 582717	3,184,379	3,199,007
ABN AMRO GROUP NV	EQUITY SECURITY; No. of SHARES - 20327	445,903	527,230
DANONE SA	EQUITY SECURITY; No. of SHARES - 25781	1,768,842	1,967,857
ESSILOR INTERNATIONAL CIE GENE	EQUITY SECURITY; No. of SHARES - 6189	802,734	844,535
ALTICE EUROPE NV	EQUITY SECURITY; No. of SHARES - 166661	2,603,019	589,466
ROYAL DUTCH SHELL PLC	EQUITY SECURITY; No. of SHARES - 13062	365,660	452,615
TAG IMMOBILIEN AG	EQUITY SECURITY; No. of SHARES - 69463	980,984	1,461,947
DEUTSCHE WOHNEN SE	EQUITY SECURITY; No. of SHARES - 17004	366,300	796,531
ASML HOLDING NV	EQUITY SECURITY; No. of SHARES - 26884	1,841,197	5,253,295
SAP SE	EQUITY SECURITY; No. of SHARES - 24029	1,991,642	2,702,246
SES SA	EQUITY SECURITY; No. of SHARES - 47203	1,079,270	814,103
LLOYDS BANKING GROUP PLC	EQUITY SECURITY; No. of SHARES - 2427500	2,228,480	2,041,780
AGGREKO PLC	EQUITY SECURITY; No. of SHARES - 84900	922,122	793,743
AA PLC	EQUITY SECURITY; No. of SHARES - 415941	1,814,320	686,305
BCA MARKETPLACE PLC	EQUITY SECURITY; No. of SHARES - 814700	1,944,823	2,061,921
PAGEGROUP PLC	EQUITY SECURITY; No. of SHARES - 60400	372,220	425,968
SSE PLC	EQUITY SECURITY; No. of SHARES - 15527	281,445	282,539

DIAGEO PLC	EQUITY SECURITY; No. of SHARES - 15000	408,058	551,388
HALMA PLC	EQUITY SECURITY; No. of SHARES - 28892	281,696	519,009
TULLOW OIL PLC	EQUITY SECURITY; No. of SHARES - 343836	1,279,446	1,155,252
ASSOCIATED BRITISH FOODS PLC	EQUITY SECURITY; No. of SHARES - 14600	568,214	514,828
OCADO GROUP PLC	EQUITY SECURITY; No. of SHARES - 506800	2,789,498	6,055,873
RIO TINTO PLC	EQUITY SECURITY; No. of SHARES - 4500	197,588	253,888
GLENCORE PLC	EQUITY SECURITY; No. of SHARES - 52463	265,037	259,728
SPIRAX-SARCO ENGINEERING PLC	EQUITY SECURITY; No. of SHARES - 3800	210,015	312,490
ROYAL DUTCH SHELL PLC	EQUITY SECURITY; No. of SHARES - 1613	42,917	55,955
ROYAL DUTCH SHELL PLC	EQUITY SECURITY; No. of SHARES - 40300	1,032,527	1,435,546
PRUDENTIAL PLC	EQUITY SECURITY; No. of SHARES - 105900	1,666,924	2,551,986
INMARSAT PLC	EQUITY SECURITY; No. of SHARES - 121024	1,098,247	603,258
VODAFONE GROUP PLC	EQUITY SECURITY; No. of SHARES - 488345	1,786,815	1,246,478
RECKITT BENCKISER GROUP PLC	EQUITY SECURITY; No. of SHARES - 4600	388,183	352,630
ASTRAZENECA PLC	EQUITY SECURITY; No. of SHARES - 52350	3,630,260	3,807,590
RELX PLC	EQUITY SECURITY; No. of SHARES - 72700	1,558,974	1,598,600
CARNIVAL PLC	EQUITY SECURITY; No. of SHARES - 16000	834,477	1,029,817
GREENE KING PLC	EQUITY SECURITY; No. of SHARES - 94794	806,016	731,346
SHAFTESBURY PLC	EQUITY SECURITY; No. of SHARES - 30814	329,529	378,249
BRITISH AMERICAN TOBACCO PLC	EQUITY SECURITY; No. of SHARES - 25200	1,453,280	1,297,368
IMPERIAL BRANDS PLC	EQUITY SECURITY; No. of SHARES - 16715	618,161	602,753
THOMAS COOK GROUP PLC	EQUITY SECURITY; No. of SHARES - 1336800	2,192,772	2,004,722
PRADA SPA	EQUITY SECURITY; No. of SHARES - 200700	748,570	1,055,420
SAMSONITE INTERNATIONAL SA	EQUITY SECURITY; No. of SHARES - 193450	689,190	663,399
PICC PROPERTY & CASUALTY CO LT	EQUITY SECURITY; No. of SHARES - 422980	669,205	745,216
PING AN INSURANCE GROUP CO OF	EQUITY SECURITY; No. of SHARES - 109500	493,308	1,073,482
CHINA PACIFIC INSURANCE GROUP	EQUITY SECURITY; No. of SHARES - 127200	454,398	549,719
AIA GROUP LTD	EQUITY SECURITY; No. of SHARES - 366800	1,859,208	3,366,789

WYNN MACAU LTD	EQUITY SECURITY; No. of SHARES - 114400	182,980	438,982
SHANGHAI FOSUN PHARMACEUTICAL	EQUITY SECURITY; No. of SHARES - 131000	461,670	839,192
LONGFOR PROPERTIES CO LTD	EQUITY SECURITY; No. of SHARES - 262000	409,633	784,916
BANK LEUMI LE-ISRAEL BM	EQUITY SECURITY; No. of SHARES - 412871	1,698,933	2,573,137
IHI CORP	EQUITY SECURITY; No. of SHARES - 17200	745,637	648,295
NIFCO INC/JAPAN	EQUITY SECURITY; No. of SHARES - 23600	657,403	815,666
DENSO CORP	EQUITY SECURITY; No. of SHARES - 14900	763,326	725,491
ASAHI GROUP HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 19200	783,294	1,006,611
RINNAI CORP	EQUITY SECURITY; No. of SHARES - 2300	182,532	220,167
ASAHI KASEI CORP	EQUITY SECURITY; No. of SHARES - 130800	1,133,809	1,800,464
KANSAI PAINT CO LTD	EQUITY SECURITY; No. of SHARES - 31600	634,467	679,439
SHIN-ETSU CHEMICAL CO LTD	EQUITY SECURITY; No. of SHARES - 11400	1,001,731	1,142,676
MURATA MANUFACTURING CO LTD	EQUITY SECURITY; No. of SHARES - 10800	1,193,961	1,608,891
NIDEC CORP	EQUITY SECURITY; No. of SHARES - 11600	1,003,431	1,802,807
MEIJI HOLDINGS CO LTD	EQUITY SECURITY; No. of SHARES - 16400	1,397,223	1,399,310
ASAHI INTECC CO LTD	EQUITY SECURITY; No. of SHARES - 18700	417,581	672,990
CYBERDYNE INC	EQUITY SECURITY; No. of SHARES - 37900	737,333	487,333
DAIWA HOUSE INDUSTRY CO LTD	EQUITY SECURITY; No. of SHARES - 13300	414,868	483,180
HOSHIZAKI CORP	EQUITY SECURITY; No. of SHARES - 7200	546,863	724,341
SHIMANO INC	EQUITY SECURITY; No. of SHARES - 8700	1,177,382	1,232,390
FANUC CORP	EQUITY SECURITY; No. of SHARES - 1900	298,449	406,949
KEYENCE CORP	EQUITY SECURITY; No. of SHARES - 5388	1,008,607	3,314,281
KUBOTA CORP	EQUITY SECURITY; No. of SHARES - 79900	1,126,224	1,348,030
SMC CORP/JAPAN	EQUITY SECURITY; No. of SHARES - 5600	1,324,872	2,135,469
GLORY LTD	EQUITY SECURITY; No. of SHARES - 6500	189,766	192,945
SHIONOGI & CO LTD	EQUITY SECURITY; No. of SHARES - 8400	460,828	441,784
HAMAMATSU PHOTONICS KK	EQUITY SECURITY; No. of SHARES - 85600	1,969,677	3,722,767
RENESAS ELECTRONICS CORP	EQUITY SECURITY; No. of SHARES - 132500	1,232,801	1,319,573
NTT DOCOMO INC	EQUITY SECURITY; No. of SHARES - 30600	626,061	793,693
SOFTBANK GROUP CORP	EQUITY SECURITY; No. of SHARES - 29200	1,341,062	2,086,962
NINTENDO CO LTD	EQUITY SECURITY; No. of SHARES - 3600	1,103,658	1,491,095
SAMSUNG ELECTRONICS CO LTD	EQUITY SECURITY; No. of SHARES - 34250	976,417	1,610,905
DNB ASA	EQUITY SECURITY; No. of SHARES - 34695	568,889	621,178
INFRATIL LTD	EQUITY SECURITY; No. of SHARES - 117000	237,235	281,579
SVENSKA HANDELSBANKEN AB	EQUITY SECURITY; No. of SHARES - 20457	253,812	223,895

ASSA ABLOY AB	EQUITY SECURITY; No. of SHARES - 37519	431,541	805,462
MODERN TIMES GROUP MTG AB	EQUITY SECURITY; No. of SHARES - 6088	173,280	235,201
OVERSEA-CHINESE BANKING CORP L	EQUITY SECURITY; No. of SHARES - 35900	263,188	336,600
SINGAPORE TELECOMMUNICATIONS L	EQUITY SECURITY; No. of SHARES - 128100	353,276	314,156
INTERPUBLIC GROUP OF COS INC/T	EQUITY SECURITY; No. of SHARES - 146830	3,092,903	3,318,358
OMNICOM GROUP INC	EQUITY SECURITY; No. of SHARES - 31846	2,150,285	2,295,460
RYANAIR HOLDINGS PLC	EQUITY SECURITY; No. of SHARES - 13200	1,104,913	1,530,012
STEVEN MADDEN LTD	EQUITY SECURITY; No. of SHARES - 9680	364,794	511,588
BLUE BIRD CORP	EQUITY SECURITY; No. of SHARES - 26115	475,305	489,656
FORD MOTOR CO	EQUITY SECURITY; No. of SHARES - 449610	5,472,261	5,192,996
DOUGLAS DYNAMICS INC	EQUITY SECURITY; No. of SHARES - 12580	375,528	579,309
GENTHERM INC	EQUITY SECURITY; No. of SHARES - 9150	319,313	323,910
BANK OF AMERICA CORP	EQUITY SECURITY; No. of SHARES - 117190	2,003,897	3,403,198
CAPITAL ONE FINANCIAL CORP	EQUITY SECURITY; No. of SHARES - 35897	2,770,170	3,374,318
CITIGROUP INC	EQUITY SECURITY; No. of SHARES - 56749	2,816,199	3,784,591
GOLDMAN SACHS GROUP INC	EQUITY SECURITY; No. of SHARES - 12084	1,961,796	2,729,534
ICICI BANK LTD	EQUITY SECURITY; No. of SHARES - 48400	437,749	406,076
JPMORGAN CHASE & CO	EQUITY SECURITY; No. of SHARES - 26889	1,414,639	2,877,392
MORGAN STANLEY	EQUITY SECURITY; No. of SHARES - 60400	1,456,378	3,028,456
STATE STREET CORP	EQUITY SECURITY; No. of SHARES - 23820	1,511,524	2,289,340
UBS GROUP AG	EQUITY SECURITY; No. of SHARES - 134800	1,977,373	2,051,656
MGP INGREDIENTS INC	EQUITY SECURITY; No. of SHARES - 5420	261,762	479,941
MONSTER BEVERAGE CORP	EQUITY SECURITY; No. of SHARES - 64350	2,972,747	3,292,146
PRIMO WATER CORP	EQUITY SECURITY; No. of SHARES - 32252	414,199	547,639
ALEXION PHARMACEUTICALS INC	EQUITY SECURITY; No. of SHARES - 19150	2,128,752	2,223,890
BIOMARIN PHARMACEUTICAL INC	EQUITY SECURITY; No. of SHARES - 24500	1,733,402	2,213,330
CAMBREX CORP	EQUITY SECURITY; No. of SHARES - 9309	421,058	421,698
EXACT SCIENCES CORP	EQUITY SECURITY; No. of SHARES - 6760	168,129	402,490
ILLUMINA INC	EQUITY SECURITY; No. of SHARES - 14750	2,564,770	4,018,490
LIGAND PHARMACEUTICALS INC	EQUITY SECURITY; No. of SHARES - 3665	374,018	704,523
REGENERON PHARMACEUTICALS INC	EQUITY SECURITY; No. of SHARES - 7450	2,283,277	2,237,384
ARMSTRONG WORLD INDUSTRIES INC	EQUITY SECURITY; No. of SHARES - 7060	313,927	427,836
CODEXIS INC	EQUITY SECURITY; No. of SHARES - 50629	248,667	759,435

ADTALEM GLOBAL EDUCATION INC	EQUITY SECURITY; No. of SHARES - 12860	337,811	614,065
COLLIERS INTERNATIONAL GROUP I	EQUITY SECURITY; No. of SHARES - 5857	172,614	422,290
COSTAR GROUP INC	EQUITY SECURITY; No. of SHARES - 7586	1,967,619	2,891,935
GRAND CANYON EDUCATION INC	EQUITY SECURITY; No. of SHARES - 3870	189,549	429,957
ICF INTERNATIONAL INC	EQUITY SECURITY; No. of SHARES - 5486	174,356	387,586
LAUREATE EDUCATION INC	EQUITY SECURITY; No. of SHARES - 32819	445,637	532,652
NUTRISYSTEM INC	EQUITY SECURITY; No. of SHARES - 11350	329,038	423,355
WILLDAN GROUP INC	EQUITY SECURITY; No. of SHARES - 12332	349,882	351,462
COGNIZANT TECHNOLOGY SOLUTIONS	EQUITY SECURITY; No. of SHARES - 42769	2,407,310	3,222,644
HP INC	EQUITY SECURITY; No. of SHARES - 53263	669,934	1,173,384
HEWLETT PACKARD ENTERPRISE CO	EQUITY SECURITY; No. of SHARES - 201475	2,506,016	3,070,479
MERCURY SYSTEMS INC	EQUITY SECURITY; No. of SHARES - 10160	265,189	375,209
USA TECHNOLOGIES INC	EQUITY SECURITY; No. of SHARES - 37159	130,296	499,789
VARONIS SYSTEMS INC	EQUITY SECURITY; No. of SHARES - 11700	378,255	908,505
SAMSUNG ELECTRONICS CO LTD	EQUITY SECURITY; No. of SHARES - 15	4,472	17,130
ENCORE CAPITAL GROUP INC	EQUITY SECURITY; No. of SHARES - 10865	346,024	428,624
FRANKLIN RESOURCES INC	EQUITY SECURITY; No. of SHARES - 86944	3,602,023	2,918,710
CHARLES SCHWAB CORP/THE	EQUITY SECURITY; No. of SHARES - 66800	1,904,532	3,715,416
VIRTU FINANCIAL INC	EQUITY SECURITY; No. of SHARES - 13175	248,960	409,084
VISA INC	EQUITY SECURITY; No. of SHARES - 72300	3,399,523	9,451,056
EDISON INTERNATIONAL	EQUITY SECURITY; No. of SHARES - 56775	3,593,427	3,529,134
LITTELFUSE INC	EQUITY SECURITY; No. of SHARES - 1890	308,469	410,225
ESCO TECHNOLOGIES INC	EQUITY SECURITY; No. of SHARES - 6780	283,258	380,358
GOLDEN ENTERTAINMENT INC	EQUITY SECURITY; No. of SHARES - 15988	203,747	487,954
SIX FLAGS ENTERTAINMENT CORP	EQUITY SECURITY; No. of SHARES - 8144	322,234	525,451
CALAVO GROWERS INC	EQUITY SECURITY; No. of SHARES - 4320	281,824	380,160
CRYOLIFE INC	EQUITY SECURITY; No. of SHARES - 16900	329,548	465,595
EDWARDS LIFESCIENCES CORP	EQUITY SECURITY; No. of SHARES - 23900	2,254,632	3,281,709
GLAUKOS CORP	EQUITY SECURITY; No. of SHARES - 13382	408,409	505,438
REPLIGEN CORP	EQUITY SECURITY; No. of SHARES - 7300	218,861	318,864
LHC GROUP INC	EQUITY SECURITY; No. of SHARES - 5450	247,048	419,487
JARDINE MATHESON HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 12100	645,243	755,524
UNIVERSAL ELECTRONICS INC	EQUITY SECURITY; No. of SHARES - 9297	512,260	275,656
AMERICAN INTERNATIONAL GROUP I	EQUITY SECURITY; No. of SHARES - 64493	3,248,358	3,404,585
METLIFE INC	EQUITY SECURITY; No. of SHARES - 73616	3,070,829	3,385,600

	VOYA FINANCIAL INC	EQUITY SECURITY; No. of SHARES - 67045	1,823,195	3,482,317
	AXIS CAPITAL HOLDINGS LTD	EQUITY SECURITY; No. of SHARES - 61230	2,810,898	3,480,926
	ALIBABA GROUP HOLDING LTD	EQUITY SECURITY; No. of SHARES - 10900	788,712	2,158,309
	ALIBABA GROUP HOLDING LTD	EQUITY SECURITY; No. of SHARES - 49100	4,968,448	9,722,291
	ALPHABET INC-CL C	EQUITY SECURITY; No. of SHARES - 890	443,435	965,641
	ALPHABET INC-CL A	EQUITY SECURITY; No. of SHARES - 5875	3,154,380	6,462,500
	AMAZON.COM INC	EQUITY SECURITY; No. of SHARES - 7000	4,983,100	11,407,340
	BAIDU INC	EQUITY SECURITY; No. of SHARES - 11600	1,745,359	2,813,696
	CTRIP.COM INTERNATIONAL LTD	EQUITY SECURITY; No. of SHARES - 32200	1,102,954	1,451,898
	ETSY INC	EQUITY SECURITY; No. of SHARES - 14500	$ 246,347	$ 468,930
	FACEBOOK INC	EQUITY SECURITY; No. of SHARES - 32300	2,254,299	6,194,494
	JD.COM INC	EQUITY SECURITY; No. of SHARES - 4200	95,230	147,756
	NETFLIX INC	EQUITY SECURITY; No. of SHARES - 25900	2,865,574	9,106,440
	PALO ALTO NETWORKS INC	EQUITY SECURITY; No. of SHARES - 20600	3,062,863	4,286,654
	US AUTO PARTS NETWORK INC	EQUITY SECURITY; No. of SHARES - 86831	258,879	148,481
	BWX TECHNOLOGIES INC	EQUITY SECURITY; No. of SHARES - 10010	385,302	668,067
	TEREX CORP	EQUITY SECURITY; No. of SHARES - 54422	1,732,467	2,154,023
	ALBANY INTERNATIONAL CORP	EQUITY SECURITY; No. of SHARES - 4940	200,734	303,810
	CABLE ONE INC	EQUITY SECURITY; No. of SHARES - 640	298,505	415,514
	NEWS CORP	EQUITY SECURITY; No. of SHARES - 90737	1,564,343	1,363,777
	DOVER CORP	EQUITY SECURITY; No. of SHARES - 40479	2,358,083	3,125,384
	JOHN BEAN TECHNOLOGIES CORP	EQUITY SECURITY; No. of SHARES - 5780	373,670	510,374
*	PARKER-HANNIFIN CORP	EQUITY SECURITY; No. of SHARES - 1329495	19,135,336	227,210,696
	BP PLC	EQUITY SECURITY; No. of SHARES - 57841	2,459,835	2,650,275
	CALLON PETROLEUM CO	EQUITY SECURITY; No. of SHARES - 24620	339,067	291,501
	CARRIZO OIL & GAS INC	EQUITY SECURITY; No. of SHARES - 10136	308,265	256,035
	CENOVUS ENERGY INC	EQUITY SECURITY; No. of SHARES - 213160	2,546,697	2,246,706
	EXXON MOBIL CORP	EQUITY SECURITY; No. of SHARES - 30577	2,466,151	2,484,075
	MURPHY OIL CORP	EQUITY SECURITY; No. of SHARES - 58625	2,038,249	1,802,719
	ROYAL DUTCH SHELL PLC	EQUITY SECURITY; No. of SHARES - 53862	3,128,587	3,747,718
	ENSCO PLC	EQUITY SECURITY; No. of SHARES - 145500	1,601,679	945,750
	EXPRESS SCRIPTS HOLDING CO	EQUITY SECURITY; No. of SHARES - 31223	1,947,937	2,367,016
	MCKESSON CORP	EQUITY SECURITY; No. of SHARES - 18295	2,630,242	2,596,792
	HORIZON PHARMA PLC	EQUITY SECURITY; No. of SHARES - 34170	370,556	556,971
	MYLAN NV	EQUITY SECURITY; No. of SHARES - 98439	3,652,437	3,785,964
	FIRSTSERVICE CORP	EQUITY SECURITY; No. of SHARES - 5370	145,246	377,994
	AT HOME GROUP INC	EQUITY SECURITY; No. of SHARES - 12370	192,091	428,126
	FIRSTCASH INC	EQUITY SECURITY; No. of SHARES - 6438	301,641	584,249
	LITHIA MOTORS INC	EQUITY SECURITY; No. of SHARES - 3270	256,170	319,643

NU SKIN ENTERPRISES INC	EQUITY SECURITY; No. of SHARES - 5281	247,559	432,461
STARBUCKS CORP	EQUITY SECURITY; No. of SHARES - 31600	1,840,584	1,790,772
WALMART INC	EQUITY SECURITY; No. of SHARES - 23413	1,728,701	1,932,509
BOFI HOLDING INC	EQUITY SECURITY; No. of SHARES - 9590	218,110	395,204
META FINANCIAL GROUP INC	EQUITY SECURITY; No. of SHARES - 4179	305,723	472,854
MAXLINEAR INC	EQUITY SECURITY; No. of SHARES - 15754	315,824	289,086
TAIWAN SEMICONDUCTOR MANUFACTU	EQUITY SECURITY; No. of SHARES - 39400	924,775	1,524,780
ADOBE SYSTEMS INC	EQUITY SECURITY; No. of SHARES - 26800	2,274,241	6,680,704
GUIDEWIRE SOFTWARE INC	EQUITY SECURITY; No. of SHARES - 6370	330,571	591,391
J2 GLOBAL INC	EQUITY SECURITY; No. of SHARES - 8168	448,686	689,706
ORACLE CORP	EQUITY SECURITY; No. of SHARES - 85033	3,160,257	3,972,742
REALPAGE INC	EQUITY SECURITY; No. of SHARES - 9510	221,481	558,713
SALESFORCE.COM INC	EQUITY SECURITY; No. of SHARES - 55400	2,676,385	7,164,882
SERVICENOW INC	EQUITY SECURITY; No. of SHARES - 41800	4,128,148	7,424,088
SIMULATIONS PLUS INC	EQUITY SECURITY; No. of SHARES - 15005	175,776	288,096
SPLUNK INC	EQUITY SECURITY; No. of SHARES - 31900	1,744,789	3,534,839
2U INC	EQUITY SECURITY; No. of SHARES - 4280	111,663	405,744
VALE SA	EQUITY SECURITY; No. of SHARES - 209384	1,440,100	2,847,622
ORBCOMM INC	EQUITY SECURITY; No. of SHARES - 47260	405,833	456,532
GOLAR LNG LTD	EQUITY SECURITY; No. of SHARES - 17600	570,620	457,248
SITEONE LANDSCAPE SUPPLY INC	EQUITY SECURITY; No. of SHARES - 4670	160,194	353,286
NASPERS LTD	EQUITY SECURITY; No. of SHARES - 2853	351,273	681,656
LOJAS AMERICANAS SA	EQUITY SECURITY; No. of SHARES - 163359	989,619	779,498
SCHAEFFLER AG	EQUITY SECURITY; No. of SHARES - 32578	536,959	487,143
U S TREASURY BD CPN STRIP	FIXED INCOME; 0.000% 11/15/2034 DD 08/15/07 No. of SHARES - 6000000	3,768,000	3,674,460
DEUTSCHE TELEKOM DISC	COMMERICAL PAPER; 06/15/2018 No. of SHARES - 500000	499,098	499,098
ENTERPRISE PROD DISC	COMMERICAL PAPER; 06/05/2018 No. of SHARES - 700000	698,669	698,669
HYUNDAI CAP AMER DISC	COMMERICAL PAPER; 06/26/2018 No. of SHARES - 400000	398,773	398,773
SPECTRA ENERGY DISC	COMMERICAL PAPER; 06/15/2018 No. of SHARES - 300000	299,368	299,368
TIME WARNER INC DISC	COMMERICAL PAPER; 06/13/2018 No. of SHARES - 400000	398,682	398,682
US TREAS-CPI INFLAT	FIXED INCOME; 1.750% 01/15/2028 DD 01/15/08 No. of SHARES - 464536	509,960	507,794
US TREAS-CPI INFLAT	FIXED INCOME; 2.500% 01/15/2029 DD 01/15/09 No. of SHARES - 1743390	2,043,831	2,050,087

US TREAS-CPI INFLAT	FIXED INCOME; 0.875% 02/15/2047 DD 02/15/17 No. of SHARES - 1137103	1,121,540	1,127,096
US TREAS-CPI INFLAT	FIXED INCOME; 0.500% 01/15/2028 DD 01/15/18 No. of SHARES - 1820952	1,791,721	1,779,981
U S TREASURY BD CPN STRIP	FIXED INCOME; 0.000% 02/15/2035 DD 02/15/06 No. of SHARES - 6300000	3,923,199	3,838,086
U S TREASURY BOND	FIXED INCOME; 4.375% 02/15/2038 DD 02/15/08 No. of SHARES - 250000	307,251	305,303
U S TREASURY BOND	FIXED INCOME; 4.500% 05/15/2038 DD 05/15/08 No. of SHARES - 3600000	4,381,710	4,470,480
U S TREASURY BOND	FIXED INCOME; 4.625% 02/15/2040 DD 02/15/10 No. of SHARES - 1530000	1,870,881	1,945,732
U S TREASURY BOND	FIXED INCOME; 4.250% 11/15/2040 DD 11/15/10 No. of SHARES - 16100000	19,011,220	19,543,951
U S TREASURY BOND	FIXED INCOME; 4.750% 02/15/2041 DD 02/15/11 No. of SHARES - 50000	67,929	64,895
U S TREASURY BOND	FIXED INCOME; 3.125% 11/15/2041 DD 11/15/11 No. of SHARES - 4100000	4,058,850	4,214,185
U S TREASURY BOND	FIXED INCOME; 2.500% 02/15/2046 DD 02/15/16 No. of SHARES - 2920000	2,566,499	2,654,017
U S TREASURY BOND	FIXED INCOME; 2.500% 05/15/2046 DD 05/15/16 No. of SHARES - 2880000	2,529,731	2,615,846
U S TREASURY NOTE	FIXED INCOME; 2.000% 06/30/2024 DD 06/30/17 No. of SHARES - 300000	284,396	287,601
US LONG BOND FUTURE (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - 953	—	2,012,863
US ULTRA BOND (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - 97	—	293,273
US 10YR ULTRA FUTURE (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - 81	—	96,188
US 10YR NOTE FUTURE (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - 1890	—	1,730,085
US 5YR TREAS NTS FUTURE (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - -320	—	(165,631)
US 2YR TREAS NTS FUT (CBT)	FIXED INCOME; EXP SEP 18 No. of SHARES - -175	—	(90,235)
US TREAS-CPI INFLAT	FIXED INCOME; 1.375% 02/15/2044 DD 02/15/14 No. of SHARES - 428280	468,100	474,984
U S TREASURY BD CPN STRIP	FIXED INCOME; 0.000% 05/15/2034 DD 08/15/07 No. of SHARES - 6100000	3,977,139	3,792,187
U S TREASURY BD CPN STRIP	FIXED INCOME; 0.000% 11/15/2036 DD 08/15/07 No. of SHARES - 27000000	15,471,049	15,596,820
U S TREASURY BD PRIN STRIP	FIXED INCOME; 0.000% 08/15/2040 DD 08/16/10 No. of SHARES - 60000	25,497	31,307

U S TREASURY BOND	FIXED INCOME; 3.875% 08/15/2040 DD 08/15/10 No. of SHARES - 3750000	4,204,207	4,320,713
U S TREASURY BOND	FIXED INCOME; 4.375% 05/15/2041 DD 05/15/11 No. of SHARES - 4100000	4,942,589	5,071,331
U S TREASURY BOND	FIXED INCOME; 2.750% 08/15/2042 DD 08/15/12 No. of SHARES - 9200000	8,587,696	8,854,632
U S TREASURY BOND	FIXED INCOME; 3.125% 02/15/2043 DD 02/15/13 No. of SHARES - 7480000	7,455,558	7,681,062
U S TREASURY BOND	FIXED INCOME; 2.875% 05/15/2043 DD 05/15/13 No. of SHARES - 2600000	2,479,006	2,554,500
U S TREASURY BOND	FIXED INCOME; 3.625% 08/15/2043 DD 08/15/13 No. of SHARES - 2300000	2,501,825	2,564,592
U S TREASURY BOND	FIXED INCOME; 3.625% 02/15/2044 DD 02/15/14 No. of SHARES - 8210000	8,887,209	9,164,413
U S TREASURY BOND	FIXED INCOME; 2.500% 02/15/2045 DD 02/15/15 No. of SHARES - 37360000	32,997,309	34,058,870
U S TREASURY BOND	FIXED INCOME; 3.000% 05/15/2045 DD 05/15/15 No. of SHARES - 2005000	1,933,263	2,013,060
U S TREASURY BOND	FIXED INCOME; 2.875% 08/15/2045 DD 08/15/15 No. of SHARES - 4560000	4,327,506	4,469,712
U S TREASURY BOND	FIXED INCOME; 3.000% 11/15/2045 DD 11/15/15 No. of SHARES - 200000	194,018	200,704
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.000% 07/01/2048 DD 07/01/18 No. of SHARES - -12000000	(11,587,031)	(11,635,560)
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; REC 2.91% 2028 SEP 04 No. of SHARES - 5300000	—	(5,615)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 2.500% 06/01/2048 DD 06/01/18 No. of SHARES - 2900000	2,700,882	2,723,709
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.000% 06/01/2048 DD 06/01/18 No. of SHARES - 3000000	2,909,531	2,911,890
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.500% 06/01/2033 DD 06/01/18 No. of SHARES - 4600000	4,663,250	4,663,986
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.500% 06/01/2048 DD 06/01/18 No. of SHARES - -1500000	(1,497,070)	(1,496,490)
COMMIT TO PUR FNMA SF MTG OTC	FIXED INCOME; PUT JUN 18 98.06640625 ED60618 No. of SHARES - -2300000	(6,738)	—
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 4.000% 06/01/2048 DD 06/01/18 No. of SHARES - 10200000	10,433,618	10,427,868
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 4.000% 07/01/2048 DD 07/01/18 No. of SHARES - 5000000	5,100,000	5,104,700
CDX SP CDX.NA.IG.30 V1	FIXED INCOME; PUT JUN 18 000.900 ED 062018 No. of SHARES - -700000	(823)	(149)
CDX SP CDX.NA.IG.30 V1	FIXED INCOME; PUT JUN 18 000.900 ED 06/20/18 No. of SHARES - -2200000	(3,198)	(467)

IRS P US0003M R 2.173% 090428	FIXED INCOME; CALL AUG 18 002.173 ED 083118 No. of SHARES - -4200000	(28,350)	(1,103)
AMAZON.COM INC 144A	FIXED INCOME; 4.250% 08/22/2057 DD 08/22/17 No. of SHARES - 1200000	1,190,184	1,209,156
VRIO FINCO 1 LLC / VRIO F 144A	FIXED INCOME; 6.250% 04/04/2023 DD 04/05/18 No. of SHARES - 400000	400,000	403,000
90DAY EURO$ FUTURE (CME)	FIXED INCOME; EXP SEP 18 No. of SHARES - 526	—	(777,686)
90DAY EURO$ FUTURE (CME)	FIXED INCOME; EXP SEP 19 No. of SHARES - -526	—	918,399
SEMPRA ENERGY DISC	FIXED INCOME; 07/26/2018 No. of SHARES - 300000	298,614	298,614
VW CREDIT INC DISC	FIXED INCOME; 08/15/2018 No. of SHARES - 600000	596,204	596,204
CCP_CDX. BP UL ITRAXX_EUROPE_2	FIXED INCOME; PAY 100BPS 2022 DEC 20 No. of SHARES - 700000	(18,520)	(14,237)
IRS R 0.72% P US0003M 12/05/23	FIXED INCOME; PUT DEC 18 000.720 ED 120318 No. of SHARES - 10500000	51,085	21,903
CCP_ZCS. P GBP-LIBOR-BBA 3M CM	FIXED INCOME; REC 1.00% 2019 SEP 19 No. of SHARES - 24900000	39,154	58,735
CCP_IRS. R GBP-LIBOR-BBA 3M CM	FIXED INCOME; PAY 1.00% 2020 SEP 18 No. of SHARES - 24900000	20,240	26,009
CCP_IRS. R GBP-LIBOR-BBA 6M CM	FIXED INCOME; PAY 1.75% 2048 SEP 19 No. of SHARES - 2000000	(104,954)	(112,377)
CCP_IRS. P MXN-TIIE-BANXICO 28	FIXED INCOME; REC 7.35% 2027 SEP 30 No. of SHARES - 2900000	(133)	(7,620)
CCP_IRS. P MXN-TIIE-BANXICO 28	FIXED INCOME; REC 7.68% 2022 DEC 29 No. of SHARES - 26100000	—	(16,046)
CCP_IRS. P MXN-TIIE-BANXICO 28	FIXED INCOME; REC 7.88% 2022 DEC 27 No. of SHARES - 35800000	6,578	(7,722)
NELNET STUDENT LOAN TRUST 4 A4	FIXED INCOME; VAR RT 04/25/2024 DD 05/20/08 No. of SHARES - 272114	273,815	273,472
SLM STUDENT LOAN TRUST 2 9 A7A	FIXED INCOME; VAR RT 01/25/2041 DD 01/25/18 No. of SHARES - 800000	790,000	801,464
NORTHROP GRUMMAN CORP	FIXED INCOME; 2.930% 01/15/2025 DD 10/13/17 No. of SHARES - 600000	599,910	571,668
NORTHROP GRUMMAN CORP	FIXED INCOME; 3.250% 01/15/2028 DD 10/13/17 No. of SHARES - 390000	389,793	369,045
NORTHROP GRUMMAN CORP	FIXED INCOME; 4.030% 10/15/2047 DD 10/13/17 No. of SHARES - 500000	499,220	471,170
ROCKWELL COLLINS INC	FIXED INCOME; 3.500% 03/15/2027 DD 04/10/17 No. of SHARES - 100000	99,549	95,801
BANCO SANTANDER SA	FIXED INCOME; 4.379% 04/12/2028 DD 04/12/18 No. of SHARES - 500000	500,000	481,730

BANK OF NEW YORK MELLON CORP/T	FIXED INCOME; 3.850% 04/28/2028 DD 04/30/18 No. of SHARES - 1000000	997,780	1,012,870
BROOKFIELD FINANCE INC	FIXED INCOME; 4.700% 09/20/2047 DD 09/14/17 No. of SHARES - 500000	496,095	485,760
DEUTSCHE BANK AG/NEW YORK NY	FIXED INCOME; 3.950% 02/27/2023 DD 02/27/18 No. of SHARES - 700000	687,337	680,400
INTERCONTINENTAL EXCHANGE INC	FIXED INCOME; 2.350% 09/15/2022 DD 08/17/17 No. of SHARES - 700000	698,397	674,598
MORGAN STANLEY	FIXED INCOME; VAR RT 07/22/2028 DD 07/24/17 No. of SHARES - 400000	400,000	382,312
SUMITOMO MITSUI FINANCIAL GROU	FIXED INCOME; 3.102% 01/17/2023 DD 01/17/18 No. of SHARES - 800000	800,000	785,360
CCP_IFS. R CPURNSA US CPI URBA	FIXED INCOME; PAY 2.14% 2029 JAN 15 No. of SHARES - 1800000	—	(33,439)
CCP IRS R 2.51% P US0003M	FIXED INCOME; CALL MAY 20 002.510 ED 051120 No. of SHARES - -14700000	(158,978)	(248,149)
CCP IRS R 2.45% P US0003M	FIXED INCOME; CALL MAY 20 002.450 ED 051120 No. of SHARES - 71700000	188,038	289,596
CCP IRS R 3.55% P US0003M	FIXED INCOME; PUT MAY 19 003.550 ED 050919 No. of SHARES - 2600000	48,494	35,753
CCP IRS R 3.52% P US0003M	FIXED INCOME; PUT MAY 19 003.520 ED 050919 No. of SHARES - -11700000	(49,298)	(40,277)
CCP IRS P US0003M 09/04/28	FIXED INCOME; CALL AUG 18 002.660 ED 083018 No. of SHARES - -11600000	(48,865)	(41,821)
CCP IRS P US0003M 09/04/28	FIXED INCOME; PUT AUG 18 003.160 ED 083018 No. of SHARES - 11600000	46,400	49,793
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.38% 2047 SEP 07 No. of SHARES - 2000000	—	230,991
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.75% 2047 DEC 20 No. of SHARES - 13300000	388,222	532,867
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.50% 2048 JUN 20 No. of SHARES - 3200000	317,708	296,831
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.63% 2048 JAN 04 No. of SHARES - 500000	—	32,351
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; REC 2.60% 2021 MAR 16 No. of SHARES - 188000000	(81,067)	(561,060)
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.64% 2022 MAR 16 No. of SHARES - 188000000	96,107	420,699
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 3.25% 2037 DEC 20 No. of SHARES - 8000000	(40,667)	(104,577)
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; PAY 2.86% 2028 APR 27 No. of SHARES - 13400000	—	48,113
CCP IRS P US0003M R3.71.% CME	FIXED INCOME; PUT SEP 19 003.710 ED 09/16/19 No. of SHARES - -17600000	(92,618)	(65,820)

CCP IRS P US0003M R3.71.%CME	FIXED INCOME; PUT SEP 19 003.710 ED 09/16/19 No. of SHARES - 4300000	93,818	63,259
CCP_OIS. R USD FEDL01 1D CME	FIXED INCOME; PAY 2.48% 2047 DEC 20 No. of SHARES - 300000	—	(3,487)
CCP_OIS. R USD FEDL01 1D CME	FIXED INCOME; PAY 2.54% 2047 DEC 20 No. of SHARES - 1200000	—	(30,743)
CCP_OIS. R USD FEDL01 1D CME	FIXED INCOME; PAY 2.43% 2047 DEC 20 No. of SHARES - 300000	—	(298)
MOODY'S CORP	FIXED INCOME; 2.625% 01/15/2023 DD 01/15/18 No. of SHARES - 800000	798,128	770,688
S&P GLOBAL INC	FIXED INCOME; 4.500% 05/15/2048 DD 05/17/18 No. of SHARES - 1000000	987,510	1,019,060
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 3.500% 07/01/2048 DD 07/01/18 No. of SHARES - 24900000	24,552,473	24,814,344
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 4.000% 08/01/2048 DD 08/01/18 No. of SHARES - 3000000	3,056,719	3,058,350
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; 4.500% 07/01/2048 DD 07/01/18 No. of SHARES - -5000000	(5,204,688)	(5,213,100)
CDX SP CDX.NA.IG.30 V1	FIXED INCOME; PUT JUL 18 000.950 ED 071818 No. of SHARES - -1800000	(2,993)	(875)
CDX SP CDX.NA.IG.30 V1 062023	FIXED INCOME; PUT JUL 18 000.850 ED 071818 No. of SHARES - -800000	(808)	(595)
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; R 500BPS 2023 JUN 20 No. of SHARES - 400000	25,741	17,171
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; R 500BPS 2023 JUN 20 No. of SHARES - 200000	10,777	8,586
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; R 500BPS 2023 JUN 20 No. of SHARES - 200000	8,681	8,586
FNMA GTD REMIC P/T 13-67 NS	FIXED INCOME; VAR RT 07/25/2043 DD 06/25/13 No. of SHARES - 213417	163,264	170,247
INT FLR CMS 30-5 MYC 09/21/18	FIXED INCOME; PUT SEP 18 000.451 ED 092118 No. of SHARES - -125600000	(135,020)	(454,178)
IRS R 2.74% P US0003M 12/05/23	FIXED INCOME; PUT DEC 18 002.740 ED 120318 No. of SHARES - -11000000	(52,250)	(132,535)
IRS P US0003M R 1.8875% 90419	FIXED INCOME; CALL AUG 18 001.888 ED 083118 No. of SHARES - 54300000	28,523	266
URUGUAY GOVERNMENT INTERNATION	FIXED INCOME; 4.975% 04/20/2055 DD 04/20/18 No. of SHARES - 600000	592,278	577,500
ARGENTINA TREASURY BILL	FIXED INCOME; 0.000% 08/10/2018 No. of SHARES - 300000	295,898	297,708
INDONESIA GOVERNMENT INTE REGS	FIXED INCOME; 4.750% 07/18/2047 DD 07/18/17 No. of SHARES - 600000	597,750	573,216
INDONESIA GOVERNMENT INTE 144A	FIXED INCOME; 4.750% 07/18/2047 DD 07/18/17 No. of SHARES - 400000	391,000	382,144

QATAR GOVERNMENT INTERNAT 144A	FIXED INCOME; 3.875% 04/23/2023 DD 04/23/18 No. of SHARES - 600000	595,932	599,010
QATAR GOVERNMENT INTERNAT 144A	FIXED INCOME; 4.500% 04/23/2028 DD 04/23/18 No. of SHARES - 600000	598,038	601,968
QATAR GOVERNMENT INTERNAT 144A	FIXED INCOME; 5.103% 04/23/2048 DD 04/23/18 No. of SHARES - 400000	400,000	397,688
SAUDI GOVERNMENT INTERNAT 144A	FIXED INCOME; 4.625% 10/04/2047 DD 10/04/17 No. of SHARES - 1900000	1,888,410	1,752,997
SAUDI GOVERNMENT INTERNAT 144A	FIXED INCOME; 4.000% 04/17/2025 DD 04/17/18 No. of SHARES - 1900000	1,882,387	1,883,413
SAUDI GOVERNMENT INTERNAT 144A	FIXED INCOME; 4.500% 04/17/2030 DD 04/17/18 No. of SHARES - 1000000	994,320	993,000
SAUDI GOVERNMENT INTERNAT 144A	FIXED INCOME; 5.000% 04/17/2049 DD 04/17/18 No. of SHARES - 500000	489,130	483,345
TRANSCANADA PIPELINES LTD	FIXED INCOME; 4.875% 05/15/2048 DD 05/07/18 No. of SHARES - 1000000	991,570	1,031,600
ECMC GROUP STUDENT L 1A A 144A	FIXED INCOME; VAR RT 02/27/2068 DD 03/08/18 No. of SHARES - 388171	388,172	388,543
SLM STUDENT LOAN T 10 A7B 144A	FIXED INCOME; VAR RT 10/25/2029 DD 04/25/18 No. of SHARES - 300000	300,000	301,085
BANCO DE CREDITO E INVERS 144A	FIXED INCOME; 3.500% 10/12/2027 DD 10/12/17 No. of SHARES - 700000	691,383	631,750
AREIT 2018-CRE1 TR CRE1 A 144A	FIXED INCOME; VAR RT 02/15/2035 DD 02/28/18 No. of SHARES - 400000	400,000	401,114
WORLDWIDE PLAZA TRU WWP A 144A	FIXED INCOME; 3.526% 11/10/2036 DD 11/01/17 No. of SHARES - 300000	308,998	296,631
AT&T INC 144A	FIXED INCOME; 5.150% 02/15/2050 DD 02/14/18 No. of SHARES - 900000	901,304	876,042
AT&T INC 144A	FIXED INCOME; 4.900% 08/15/2037 DD 02/14/18 No. of SHARES - 300000	299,466	293,772
AXA EQUITABLE HOLDINGS IN 144A	FIXED INCOME; 4.350% 04/20/2028 DD 04/20/18 No. of SHARES - 300000	299,445	293,730
AXA EQUITABLE HOLDINGS IN 144A	FIXED INCOME; 5.000% 04/20/2048 DD 04/20/18 No. of SHARES - 800000	797,656	765,840
BACARDI LTD 144A	FIXED INCOME; 4.700% 05/15/2028 DD 04/30/18 No. of SHARES - 1000000	996,810	996,990
BRASKEM NETHERLANDS FINAN 144A	FIXED INCOME; 4.500% 01/10/2028 DD 10/10/17 No. of SHARES - 1100000	1,088,945	1,029,765
MAPLE ESCROW SUBSIDIARY I 144A	FIXED INCOME; 4.057% 05/25/2023 DD 05/25/18 No. of SHARES - 1000000	1,000,000	1,006,280
NEWCREST FINANCE PTY LTD 144A	FIXED INCOME; 4.450% 11/15/2021 DD 11/15/11 No. of SHARES - 100000	101,916	101,582
NORTHWESTERN MUTUAL LIFE 144A	FIXED INCOME; 3.850% 09/30/2047 DD 09/26/17 No. of SHARES - 800000	798,296	745,960

PELABUHAN INDONESIA III P 144A	FIXED INCOME; 4.500% 05/02/2023 DD 05/02/18 No. of SHARES - 800000	791,192	800,528
RIO OIL FINANCE TRUST SER 144A	FIXED INCOME; 8.200% 04/06/2028 DD 04/19/18 No. of SHARES - 800000	800,000	821,000
SYNGENTA FINANCE NV 144A	FIXED INCOME; 5.182% 04/24/2028 DD 04/24/18 No. of SHARES - 400000	400,000	392,256
AUTONATION INC	FIXED INCOME; 3.500% 11/15/2024 DD 11/10/17 No. of SHARES - 700000	699,132	667,394
MCDONALD'S CORP	FIXED INCOME; VAR RT 10/28/2021 DD 05/22/18 No. of SHARES - 500000	500,000	499,840
APPLE INC	FIXED INCOME; 2.900% 09/12/2027 DD 09/12/17 No. of SHARES - 1700000	1,698,096	1,613,895
BROADCOM CORP / BROADCOM CAYMA	FIXED INCOME; 3.875% 01/15/2027 DD 01/15/18 No. of SHARES - 100000	94,915	95,470
BROADCOM CORP / BROADCOM CAYMA	FIXED INCOME; 3.125% 01/15/2025 DD 10/17/17 No. of SHARES - 200000	199,944	186,662
ORACLE CORP	FIXED INCOME; 3.800% 11/15/2037 DD 11/09/17 No. of SHARES - 900000	896,616	879,849
DELTA AIR LINES INC	FIXED INCOME; 3.400% 04/19/2021 DD 04/19/18 No. of SHARES - 400000	399,808	400,736
NORFOLK SOUTHERN CORP	FIXED INCOME; 4.050% 08/15/2052 DD 02/15/18 No. of SHARES - 165000	149,865	156,049
NORFOLK SOUTHERN CORP	FIXED INCOME; 3.942% 11/01/2047 DD 05/01/18 No. of SHARES - 232000	233,051	219,688
CONSOLIDATED EDISON CO OF NEW	FIXED INCOME; 4.500% 05/15/2058 DD 05/10/18 No. of SHARES - 1600000	1,592,624	1,639,120
AMERICAN WATER CAPITAL CORP	FIXED INCOME; 2.950% 09/01/2027 DD 08/10/17 No. of SHARES - 600000	598,026	566,370
VERIZON COMMUNICATIONS INC	FIXED INCOME; 4.672% 03/15/2055 DD 03/13/15 No. of SHARES - 1300000	1,244,385	1,173,146
CANADIAN PACIFIC RAILWAY CO	FIXED INCOME; 6.125% 09/15/2115 DD 09/11/15 No. of SHARES - 300000	379,269	370,542
REPUBLIC OF SOUTH AFRICA GOVER	FIXED INCOME; 8.250% 03/31/2032 No. of SHARES - 2200000	184,365	161,381
COMMUNITY HEALTH 5/15 TLG	FIXED INCOME; No. of SHARES - 400000	392,000	397,852
CHARTER COMMUNICATIONS OPERATI	FIXED INCOME; 5.375% 04/01/2038 DD 04/17/18 No. of SHARES - 200000	197,692	194,992
CHARTER COMMUNICATIONS OPERATI	FIXED INCOME; 5.750% 04/01/2048 DD 04/17/18 No. of SHARES - 300000	299,118	294,132
COMCAST CORP	FIXED INCOME; 3.999% 11/01/2049 DD 10/19/17 No. of SHARES - 17000	17,432	15,042
COMCAST CORP	FIXED INCOME; 4.049% 11/01/2052 DD 10/19/17 No. of SHARES - 43000	44,552	37,916

MEXICO GOVERNMENT INTERNATIONA	FIXED INCOME; 4.000% 03/15/2115 No. of SHARES - 400000	446,579	422,979
CCP_CDX SP UL IG 27 5Y	FIXED INCOME; 2021 DEC 20 ICE No. of SHARES - 3700000	(53,177)	(66,800)
CCP_CDX. BP UL CDX-NAIGS28V1-5	FIXED INCOME; PAY 100BPS 2022 JUN 20 No. of SHARES - 4800000	(75,726)	(81,806)
CCP IRS P US0006M R 2.50	FIXED INCOME; PUT NOV 19 002.500 ED 11/07/19 No. of SHARES - -5500000	(99,000)	(146,282)
CCP IRS P US0006M R 2.50	FIXED INCOME; PUT NOV 19 002.500 ED 110719 No. of SHARES - -44500000	(889,494)	(1,183,553)
CCP IRS P US0006M R 2.725%	FIXED INCOME; PUT NOV 19 002.725 ED 11/07/19 No. of SHARES - 10000000	1,020,000	893,544
GS MORTGAGE SECURITIES GS3 AAB	FIXED INCOME; 2.777% 10/10/2049 DD 09/01/16 No. of SHARES - 1200000	1,235,991	1,165,752
JP MORGAN CHASE COMMER JP4 ASB	FIXED INCOME; VAR RT 12/15/2049 DD 12/01/16 No. of SHARES - 2600000	2,677,990	2,599,350
MORGAN STANLEY BANK OF C30 ASB	FIXED INCOME; 2.729% 09/15/2049 DD 09/01/16 No. of SHARES - 400000	411,990	387,316
EBAY INC	FIXED INCOME; 2.750% 01/30/2023 DD 06/06/17 No. of SHARES - 700000	699,685	677,439
CDS SP UL RUSSIAN FEDERATION	FIXED INCOME; R 100BPS 2021 DEC 20 No. of SHARES - 600000	(16,048)	(1,460)
FHLMC MULTICLASS MTG 4380 ZG	FIXED INCOME; 3.000% 04/15/2053 DD 08/01/14 No. of SHARES - 2125938	1,832,763	1,849,184
FNMA POOL #0100254	FIXED INCOME; 8.000% 12/15/2024 DD 12/01/98 No. of SHARES - 8641	17,992	9,544
FNMA POOL #0190880	FIXED INCOME; VAR RT 11/01/2028 DD 06/01/94 No. of SHARES - 3163	3,382	3,252
FNMA POOL #0357140	FIXED INCOME; 6.000% 07/01/2031 DD 07/01/01 No. of SHARES - 2076	2,252	2,241
FNMA POOL #0399910	FIXED INCOME; 7.000% 12/01/2027 DD 12/01/97 No. of SHARES - 193	257	204
FNMA POOL #0523829	FIXED INCOME; 8.000% 11/01/2019 DD 11/01/99 No. of SHARES - 825	1,439	835
FNMA POOL #0535441	FIXED INCOME; 8.000% 03/01/2030 DD 07/01/00 No. of SHARES - 1145	1,629	1,233
FNMA POOL #0545382	FIXED INCOME; 8.000% 11/01/2028 DD 12/01/01 No. of SHARES - 3268	6,201	3,535
ASCENSION HEALTH	FIXED INCOME; 3.945% 11/15/2046 DD 05/11/16 No. of SHARES - 900000	884,115	901,593
DUKE UNIVERSITY HEALTH SYSTEM	FIXED INCOME; 3.920% 06/01/2047 DD 06/06/17 No. of SHARES - 600000	600,000	592,434
WYETH LLC	FIXED INCOME; 6.500% 02/01/2034 DD 12/16/03 No. of SHARES - 40000	42,118	51,354

AMERICAN FINANCIAL GROUP INC/O	FIXED INCOME; 4.500% 06/15/2047 DD 06/02/17 No. of SHARES - 1000000	994,600	964,620
RESOLUTION FDG CORP STRIP	FIXED INCOME; 0.000% 04/15/2029 DD 04/15/90 No. of SHARES - 2700000	1,677,294	1,884,789
IRS P USD 30Y R 100 BPS 2.7%	FIXED INCOME; PUT MAY 19 002.700 ED 05/13/19 No. of SHARES - 1100000	95,333	89,930
IRS P USD_5Y 18BPS R 2.5%	FIXED INCOME; PUT MAY 19 002.500 ED 051319 No. of SHARES - -5100000	(93,053)	(120,274)
MEXICO GOVERNMENT INTERNATIONA	FIXED INCOME; 4.600% 01/23/2046 DD 01/23/15 No. of SHARES - 19000	18,997	17,157
INDONESIA GOVERNMENT INTE REGS	FIXED INCOME; 6.750% 01/15/2044 No. of SHARES - 300000	408,375	366,544
KUWAIT INTERNATIONAL GOVE 144A	FIXED INCOME; 3.500% 03/20/2027 DD 03/20/17 No. of SHARES - 1000000	990,260	970,310
KUWAIT INTERNATIONAL GOVE 144A	FIXED INCOME; 2.750% 03/20/2022 DD 03/20/17 No. of SHARES - 400000	397,464	389,896
PLAINS ALL AMERICAN PIPELINE L	FIXED INCOME; 3.600% 11/01/2024 DD 09/09/14 No. of SHARES - 500000	493,234	477,475
TC PIPELINES LP	FIXED INCOME; 3.900% 05/25/2027 DD 05/25/17 No. of SHARES - 700000	702,922	665,714
TRANSCANADA TRUST	FIXED INCOME; VAR RT 03/15/2077 DD 03/02/17 No. of SHARES - 400000	400,000	380,248
FEDERAL NATL MTG ASSN STRIP	FIXED INCOME; 0.000% 05/15/2030 DD 05/05/00 No. of SHARES - 2800000	1,942,093	1,868,244
RESOLUTION FDG CORP PRIN STRIP	FIXED INCOME; 0.000% 01/15/2030 DD 01/30/91 No. of SHARES - 13300000	8,089,157	9,056,768
RESOLUTION FDG CORP PRIN STRIP	FIXED INCOME; 0.000% 04/15/2030 DD 04/15/90 No. of SHARES - 2800000	1,760,260	1,886,388
NAVIENT STUDENT LOAN 7A A 144A	FIXED INCOME; VAR RT 03/25/2066 DD 11/03/16 No. of SHARES - 655413	655,414	668,444
BBCMS TRUST 2015- SRCH A2 144A	FIXED INCOME; 4.197% 08/10/2035 DD 12/06/15 No. of SHARES - 700000	720,947	732,746
BBCMS TRUST 2015-S SRCH D 144A	FIXED INCOME; VAR RT 08/10/2035 DD 12/06/15 No. of SHARES - 500000	503,075	517,805
CORE INDUSTRIAL TR WEST C 144A	FIXED INCOME; 3.494% 02/10/2037 DD 04/01/15 No. of SHARES - 700000	668,938	684,796
CREDIT SUISSE FIRST P1A A 144A	FIXED INCOME; VAR RT 03/25/2032 DD 03/01/02 No. of SHARES - 9206	7,219	8,680
CITIGROUP GLOBAL MAR 1 A1 144A	FIXED INCOME; VAR RT 05/25/2032 DD 05/30/02 No. of SHARES - 13153	10,675	13,100
AP MOLLER - MAERSK A/S 144A	FIXED INCOME; 3.875% 09/28/2025 DD 09/28/15 No. of SHARES - 800000	816,784	773,832
ENEL FINANCE INTERNATIONA 144A	FIXED INCOME; 4.750% 05/25/2047 DD 05/25/17 No. of SHARES - 700000	698,887	668,255

RECKITT BENCKISER TREASUR 144A	FIXED INCOME; 2.375% 06/24/2022 DD 06/26/17 No. of SHARES - 800000	799,248	767,752
AVALONBAY COMMUNITIES INC	FIXED INCOME; 4.150% 07/01/2047 DD 06/21/17 No. of SHARES - 800000	799,992	773,064
EPR PROPERTIES	FIXED INCOME; 4.500% 06/01/2027 DD 05/23/17 No. of SHARES - 700000	695,751	670,964
HEALTHCARE TRUST OF AMERICA HO	FIXED INCOME; 2.950% 07/01/2022 DD 06/08/17 No. of SHARES - 300000	299,814	291,966
NEWPORT BEACH CA COPS	FIXED INCOME; 7.168% 07/01/2040 DD 11/30/10 No. of SHARES - 200000	200,000	276,932
PASADENA CA PUBLIC FING AUTH L	FIXED INCOME; 7.148% 03/01/2043 DD 11/23/10 No. of SHARES - 200000	200,000	286,010
ACTIVISION BLIZZARD INC	FIXED INCOME; 3.400% 06/15/2027 DD 05/26/17 No. of SHARES - 700000	695,569	670,152
QUALCOMM INC	FIXED INCOME; 4.300% 05/20/2047 DD 05/26/17 No. of SHARES - 400000	399,936	377,496
KANSAS CITY SOUTHERN	FIXED INCOME; 4.300% 05/15/2043 DD 05/15/16 No. of SHARES - 600000	595,626	566,322
KANSAS CITY SOUTHERN	FIXED INCOME; 4.950% 08/15/2045 DD 02/15/16 No. of SHARES - 200000	217,496	207,388
FEDERAL HOME LN MTG CORP STRIP	FIXED INCOME; 0.000% 03/15/2031 DD 10/25/00 No. of SHARES - 500000	179,131	328,420
FEDERAL HOME LN MTG CORP STRIP	FIXED INCOME; 0.000% 09/15/2029 DD 10/25/00 No. of SHARES - 1300000	902,063	899,041
ENTERGY LOUISIANA LLC	FIXED INCOME; 3.120% 09/01/2027 DD 05/23/17 No. of SHARES - 500000	499,755	479,890
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; 3.500% 10/01/2023 DD 10/02/13 No. of SHARES - 500000	524,560	502,760
MACMILLAN BLOEDEL PEMBROKE LP	FIXED INCOME; 7.700% 02/15/2026 DD 02/21/96 No. of SHARES - 85000	77,142	103,643
ENTRUST CLASS X SERIES	LIMITED PARTNERSHIP; No. of SHARES - 25546	2,554,621	2,501,533
GMO MULTI-STRATEGY FD OFFSHORE	LIMITED PARTNERSHIP; No. of SHARES - 52254336	42,252,761	52,254,336
LIGHT HOUSE V FUND LIMITED	LIMITED PARTNERSHIP; No. of SHARES - 51480	75,083,233	95,663,148
MESIROW INSTNL MULTI-STARATEGY	LIMITED PARTNERSHIP; No. of SHARES - 91597510	76,400,000	91,597,510
VFNC TRUST PROM NOTE C-11 144A	MISCELLANEOUS; No. of SHARES - 3739507	3,304,276	501,280
GMO STRAT OPPOR ALLOCATION-3	MUTUAL FUND; No. of SHARES - 6183753	128,923,130	133,507,248
PIMCO ALL ASSET FUND-INST	MUTUAL FUND; No. of SHARES - 14241624	171,007,048	170,472,246
PIMCO FDS LONG DURATION CORP	MUTUAL FUND; No. of SHARES - 18926431	220,395,981	215,950,588

PIMCO FDS PAC INVT MGMT SER	MUTUAL FUND; No. of SHARES - 870775	10,670,606	11,145,924
CLASS A SERIES INITIAL 1 E	CCT; No. of SHARES - 1445	210,366,678	286,769,734
JPMCB EMERGING MARKETS EQUITY	CCT; No. of SHARES - 4881805	69,439,493	113,306,709
BLACKROCK LONG TERM CREDIT BD	CCT; No. of SHARES - 3436767	219,876,116	287,947,728
BLACKROCK EQUITY INDEX NL FUND	CCT; No. of SHARES - 1285368	39,606,602	56,901,984
FRANKLIN TEMPLETON GLOBAL	CCT; No. of SHARES - 10907555	138,944,966	148,015,525
COPPER ROCK INTL SM CAP CT	CCT; No. of SHARES - 4890207	68,153,904	102,019,236
RELAXED CONSTRAINT SMALL CAP	CCT; No. of SHARES - 32061719	16,847,830	32,061,719
ABERDEEN EMERGING MRKTS INSTL	CCT; No. of SHARES - 6349984	63,526,535	85,486,132
WALTER SCOTT	CCT; No. of SHARES - 3630327	84,804,119	129,832,083
HEXAVEST WORLD EQUITY FUND	CCT; No. of SHARES - 36795	47,509,713	61,333,159
		$2,369,045,080	$3,095,194,067

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 32—Schedule of Amortization Bases

Amortization Bases from Mergers

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment	Prorated Amortization Installment
Shortfall	4,821,386	July 1, 2015	5	1,044,438	957,402
Shortfall	33,548,617	July 1, 2016	6	6,243,397	5,723,114
Shortfall	107,151,754	July 1, 2017	7	17,595,592	16,129,292
Total	145,521,757				22,809,808

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 25—Change in Method

There was a change in the enrolled actuary and actuarial firms. As the results of the prior actuary were matched within the acceptable range, automatic approval is granted for this change under Announcement 2015-3.

There was a change in valuation date to June 1 of each year. The change in valuation date has automatic approval since the change in valuation date is required as a result of a change in plan year.

The funding valuation reflects the following method changes that were approved by the IRS on May 29, 2019:

Following the mergers, the funding methods for the Parker-Hannifin Consolidated Pension Plan - A are the same methods of the PECO Plan prior to the mergers and documented as follows:

- Valuation Date: June 1.
- Interest Rate Assumption: The three segment interest rates using a four-month lookback (February since 6/1 valuation date).
- Asset Method: Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value is calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value.
  - As of June 1, 2018 the asset valuation method will be to determine the actuarial value of assets for the merged plan by combining the historical asset values, cash flows, and expected earnings for each plan.
  - For any determination date prior to the merger dates, the information will be separately determined for each of the legacy plans and then totaled.
  - The historical expected earnings for each plan will be based upon the individual assumed earnings rate that applied for that plan (limited to the 3rd segment rate for the plan year containing that period).
  - Receivable contributions for each plan will be discounted based upon the effective interest rate for that plan.
- Funding Standard Carryover Balance and Prefunding Balance: After the mergers, the surviving Plan will maintain all balances from the disappearing plans. None of the plans have a funding standard carryover balance.
- The Prefunding Balance will be brought forward with the rate of return on assets for the merged plan from the last calculation date to June 1, 2018 and then combined.
- Minimum Required Contribution: The minimum contribution will be the minimum contribution for the surviving plan plus a minimum required contribution for the plans that merged in based on an actuarial valuation from the merger date to May 31, 2019.
- Target Normal Cost: The target normal cost for the merged plans will be determined separately based on the actual expenses and expected benefit accruals reflecting the expected service accruals and benefit formulas in effect during the post-merger period, reduced by any excess assets.

Amortization Bases: After the mergers, the surviving Plan will maintain all shortfall bases from the disappearing plans. Prorated amounts will be reflected for the duration of the post-merger period.

Schedule SB Attachment (Form 5500)—2017 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 26-1200603 PN: 001

Schedule SB, line 24—Change in Actuarial Assumptions

The funding valuation reflects the following non-prescribed assumption changes:

- A change in the salary scale for the Legacy Consolidated Plan.
- A change in the unlimited expected return on assets to 7.50% for the 2017 plan year.

The changes were made to better reflect anticipated plan experience. The funding assumption changes did not reduce the funding shortfall, so approval of the Commissioner is not required.