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

2019

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2019 or fiscal plan year beginning 06/01/2019 and ending 05/31/2020

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.)
- ☒ a single-employer plan
- ☐ a DFE (specify) ____

B This return/report is:
- ☐ the first return/report
- ☐ the final return/report
- ☐ 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:
- ☒ 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)
PARKER HANNIFIN FILTRATION (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.	03/15/2021	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

4b EIN

4d PN

5	Total number of participants at the beginning of the plan year	**5**	35022
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)**	9458
a(2)	Total number of active participants at the end of the plan year	**6a(2)**	9296
b	Retired or separated participants receiving benefits	**6b**	17765
c	Other retired or separated participants entitled to future benefits	**6c**	6982
d	Subtotal. Add lines **6a(2)**, **6b**, and **6c**	**6d**	34043
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	3613
f	Total. Add lines **6d** and **6e**.	**6f**	37656
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**	149
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:

1A 1B 1I

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)

(1)	☐	Insurance
(2)	☐	Code section 412(e)(3) insurance contracts
(3)	☒	Trust
(4)	☐	General assets of the sponsor

9b Plan benefit arrangement (check all that apply)

(1)	☐	Insurance
(2)	☐	Code section 412(e)(3) insurance contracts
(3)	☒	Trust
(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 2019 Form M-1 annual report. If the plan was not required to file the 2019 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

2019

This Form is Open to Public Inspection

For calendar plan year 2019 or fiscal plan year beginning 06/01/2019 and ending 05/31/2020

▶ **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
PARKER HANNIFIN FILTRATION (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 2019

2 Assets:

a Market value	**2a**	3050268810
b Actuarial value	**2b**	3121377926

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	19158	1770726336	1770726336
b For terminated vested participants	6406	298608825	298608825
c For active participants	9458	860091566	888820134
d Total	35022	2929426727	2958155295

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**	5.50 %
6 Target normal cost	**6**	68863516

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	01/26/2021 Date
GREGORY H. REYNOLDS Type or print name of actuary	20-06401 Most recent enrollment number
AON CONSULTING, INC. Firm name	216-621-8100 Telephone number (including area code)
AON - MSC#17854 P.O. BOX 7505 FORT WASHINGTON, PA 19034 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	367631352
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	65928237
9	Amount remaining (line 7 minus line 8)	0	301703115
10	Interest on line 9 using prior year's actual return of 2.34 %	0	7059853
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 5.66 %		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		
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	308762968

Part III Funding Percentages

14	Funding target attainment percentage	14	95.08 %
15	Adjusted funding target attainment percentage	15	105.51 %
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	97.41 %
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
			Totals ► 18(b)	0	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	0

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? [X] Yes [ ] No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? [X] 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
0	0	0	0

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

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
3.74 %	5.35 %	6.11 %	☐ 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**	68863516
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	158587565	31010411
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**	99873927

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	99873927	99873927

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**	0

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

a Total (excess, if any, of line 37 over line 36)	**38a**	0
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	0
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

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.**	**2019** **This Form is Open to Public Inspection.**

For calendar plan year 2019 or fiscal plan year beginning 06/01/2019 and ending 05/31/2020

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
PARKER HANNIFIN FILTRATION (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).. . . . . ☐ 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

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

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 CONSULTING, INC.

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?
11 17 27 28 15 50	ACTUARY AND INV. ADVISOR	2279962	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 50	INVESTMENT MANAGER	764163	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

(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 50	PLAN ADMINISTRATOR	719477	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 50	INVESTMENT MANAGER	715457	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 19 50	TRUSTEE	513159	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

NORTHERN TRUST INVESTMENTS INC

36-3608252

(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?
19 21 50	INVESTMENT MANAGEMENT	447398	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)

PRISA LP

46-1242933

(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 50	INVESTMENT MANAGEMENT	383997	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 50	INVESTMENT MANAGER	263454	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

CAPITAL INTERNATIONAL, INC.

95-4154361

(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 50	INVESTMENT MANAGER	231050	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)

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 49 51 99 15	PENSION ADMINISTRATION	209648	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 50	INVESTMENT MANAGER	174769	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

LEGAL & GENERAL MGMT AMERICA, INC.

20-8058531

(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 50	INVESTMENT MANAGEMENT	159179	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)

AVIVA INVESTORS AMERICAS LLC

61-1691139

(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 50	INVESTMENT MANAGEMENT	139577	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

PARAMETRIC PORTFOLIO ASSOCIATES LLC

20-0292745

(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 50	INVESTMENT MANAGEMENT	128328	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

STATE STREET GLOBAL ADVISORS TRUST

81-4017137

(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 50	INVESTMENT MANAGEMENT	111114	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 50	LEGAL COUNSEL	108144	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

CAPITAL GUARDIAN TRUST COMPANY

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 50	INVESTMENT MANAGEMENT	93676	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

FIDELITY INSTITUTIONAL ASSET MGMT

04-3532603

(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 17 50	ACTUARY/CONSULTANT	91605	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)

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 50	INVESTMENT MANAGER	80432	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

HERRONPALMER, LLC

45-4725418

(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?
16 99 50	CONSULTANT	65714	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 50	INVESTMENT MANAGER	52916	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)

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 50	INVESTMENT MANAGER	48431	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 50	INVESTMENT MANAGER	34544	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 50	AUDITORS	22000	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 (TMR)

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 50	PRINTER AND MAILER	8743	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 [ ]

(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:	**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:

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

2019

This Form is Open to Public Inspection.

For calendar plan year 2019 or fiscal plan year beginning 06/01/2019 and ending 05/31/2020

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
PARKER HANNIFIN FILTRATION (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: AHGT MULTI-ASSET CREDIT FUND

b Name of sponsor of entity listed in (a): AON HEWITT INVESTMENT CONSULTING, 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)
27-2436452-004	C	335600756

a Name of MTIA, CCT, PSA, or 103-12 IE: SSGA GLOBAL EQUITY FUND

b Name of sponsor of entity listed in (a): AON HEWITT INVESTMENT CONSULTING, 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)
27-2436452-011	C	376062927

a Name of MTIA, CCT, PSA, or 103-12 IE: RUSSELL SMALL CAP VALUE INDEX NL SF

b Name of sponsor of entity listed in (a): STATE STREET GLOBAL ADVISORS 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)
27-6627365-000	C	70802937

a Name of MTIA, CCT, PSA, or 103-12 IE: S&P 500 (R) INDEX NL SF CL A

b Name of sponsor of entity listed in (a): STATE STREET GLOBAL ADVISORS 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)
27-6627365-000	C	211219801

a Name of MTIA, CCT, PSA, or 103-12 IE: AON GLOBAL EQUITY FUND

b Name of sponsor of entity listed in (a): AON GLOBAL REAL ESTATE 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)
37-6543784-004	C	372032699

a Name of MTIA, CCT, PSA, or 103-12 IE: AGT GLOBAL REAL ESTATE

b Name of sponsor of entity listed in (a): STATE STREET GLOBAL ADVISORS 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)
81-4017137-000	C	28649549

a Name of MTIA, CCT, PSA, or 103-12 IE: VENTAS LIFE SCI AND HEALTHCARE RE

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

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)
83-4213671-000	C	12491839

a Name of MTIA, CCT, PSA, or 103-12 IE: CORTLAND GROWTH AND INCOME LP

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

c EIN-PN 83-2460550-000	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 20101080

a Name of MTIA, CCT, PSA, or 103-12 IE: CLARION LION PROPERTIES FUND

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

c EIN-PN 13-4087331-000	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 112480592

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

b Name of sponsor of entity listed in (a): PGIM REAL ESTATE FINANCE

c EIN-PN 46-1242933-000	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 112830978

a Name of MTIA, CCT, PSA, or 103-12 IE: MFB NT COLLECTIVE MSCI EMG MKT FD

b Name of sponsor of entity listed in (a): NORTHERN TRUST INVESTMENT, INC.

c EIN-PN 45-6138589-085	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 9203231

a Name of MTIA, CCT, PSA, or 103-12 IE: NTCC INTL EQUITY NL FEBT

b Name of sponsor of entity listed in (a): NORTHERN TRUST INVESTMENT, INC.

c EIN-PN 06-6275604-192	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 44963815

a Name of MTIA, CCT, PSA, or 103-12 IE: NT COLLECTIVE RUSSELL 1000 INDEX FD

b Name of sponsor of entity listed in (a): NORTHERN TRUST INVESTMENT, INC.

c EIN-PN 45-6138589-095	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 68920509

a Name of MTIA, CCT, PSA, or 103-12 IE: NT COLLECTIVE LONG-TERM GOVT BD INX

b Name of sponsor of entity listed in (a): NORTHERN TRUST INVESTMENT, INC.

c EIN-PN 45-6138589-060	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 47812595

a Name of MTIA, CCT, PSA, or 103-12 IE: CF BLACKROCK LONG DURATION CORP CR

b Name of sponsor of entity listed in (a): NORTHERN TRUST INVESTMENT, INC.

c EIN-PN 27-4520291-001	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 83684515

a Name of MTIA, CCT, PSA, or 103-12 IE: NTCC SMALL CAP FD FEBT

b Name of sponsor of entity listed in (a): NORTHERN TRUST INVESTMENT, INC.

c EIN-PN 06-6275604-201	**d** Entity code C	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 9550801

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

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

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

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

2019

This Form is Open to Public Inspection

For calendar plan year 2019 or fiscal plan year beginning 06/01/2019 and ending 05/31/2020

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
PARKER HANNIFIN FILTRATION (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)	10378947	9415168
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	121524328	186389265
(2) U.S. Government securities	1c(2)	411372050	454653111
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)	498563204	600618344
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)	252000199	2216868
(6) Real estate (other than employer real property)	1c(6)	0	7533135
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)	1170208840	1916408623
(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)	667979004	357915187
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)	403924	326174

			(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:			
	(1) Employer securities	1d(1)	202508678	239269215
	(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	3334939174	3774745090
	Liabilities			
g	Benefit claims payable	1g		
h	Operating payables	1h		
i	Acquisition indebtedness	1i		
j	Other liabilities	1j	284670364	375455318
k	Total liabilities (add all amounts in lines 1g through1j)	1k	284670364	375455318
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	3050268810	3399289772

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)	27953198	
	(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)		27953198
	(2) Dividends: **(A)** Preferred stock	2b(2)(A)		
	(B) Common stock	2b(2)(B)		
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	27322062	
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		27322062
	(3) Rents	2b(3)		
	(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)	138490967	
	(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)		138490967
	(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)		
	(B) Other	2b(5)(B)	14565188	
	(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		14565188

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		39312421
(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)		38169697
c Other income	2c		
d Total income. Add all **income** amounts in column (b) and enter total	2d		285813533
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	177723864	
(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)		177723864
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)	1762856	
(2) Contract administrator fees	2i(2)	719477	
(3) Investment advisory and management fees	2i(3)	5373856	
(4) Other	2i(4)	21122727	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		28978916
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		206702780
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		79110753
l Transfers of assets:			
(1) To this plan	2l(1)		269910209
(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) ☐ Unmodified **(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: BOBER, MARKEY, FEDOROVICH & COMPANY **(2)** EIN: 34-1523030

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 4271474. (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

2019

This Form is Open to Public Inspection.

For calendar plan year 2019 or fiscal plan year beginning 06/01/2019 and ending 05/31/2020

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
PARKER HANNIFIN FILTRATION (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** 141

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): _____

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: 44.0 % Investment-Grade Debt: 24.0 % High-Yield Debt: 2.0 % Real Estate: 0.0 % Other: 30.0 %

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):

20 **PBGC missed contribution reporting requirements.** If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation_____

Parker-Hannifin
Consolidated Pension Plan - A

Financial Statements and Supplemental Schedules
May 31, 2020 and 2019

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Supplemental Schedules:	
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BOBER MARKEY FEDOROVICH
CERTIFIED PUBLIC ACCOUNTANTS/BUSINESS ADVISORS
A PROFESSIONAL CORPORATION

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INDEPENDENT AUDITORS' REPORT

To the Parker Total Rewards Administration
Committee and Participants of the
Parker-Hannifin Consolidated Pension Plan - A
Cleveland, Ohio

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Parker-Hannifin Consolidated Pension Plan - A (the "Plan"), which comprise the statements of net assets available for benefits as of May 31, 2020 and 2019 and of accumulated plan benefits as of May 31, 2019, and the related statements of changes in net assets available for benefits for the years ended May 31, 2020 and 2019 and of changes in accumulated plan benefits for the year ended May 31, 2019, 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.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits 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 ("DOL") Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 ("ERISA"), 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 by Bank of New York Mellon and Northern Trust, the trustees of the Plan, except for comparing the information with the related information included in the financial statements. We have been informed by the plan administrator that the trustees hold the Plan's investment assets and execute investment transactions. The plan administrator has obtained a certification from the Bank of New York Mellon as of and for the years ended May 31, 2020 and 2019 and from Northern Trust as of May 31, 2020 and for the period of December 31, 2019 to May 31, 2020, that the information provided to the plan administrator by the trustees is complete and accurate.

Disclaimer of Opinion

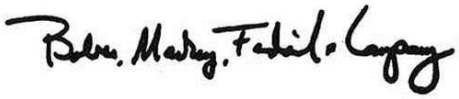
Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter – Supplemental Schedules

The supplemental schedules, Schedule H, Line 4i – Schedule of Assets (Held at End of Year) as of May 31, 2020 and Schedule H, Line 4j – Schedule of Reportable Transactions for the year ended May 31, 2020, are required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA and are presented for the purpose of additional analysis and are not a required part of the financial statements. 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 referred to above.

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 by the trustees, 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 DOL's Rules and Regulations for Reporting and Disclosure under ERISA.



BOBER, MARKEY, FEDOROVICH & COMPANY
Cleveland, Ohio

February 26, 2021

Parker-Hannifin Consolidated Pension Plan - A

Statements of Net Assets Available for Benefits
May 31, 2020 and 2019

	2020	2019
ASSETS		
Investments, at fair value (Note 6)	**$3,765,329,922**	$3,324,560,227
Accrued interest and dividends	**9,415,168**	10,378,947
Total assets	**3,774,745,090**	3,334,939,174
LIABILITIES		
Net pending purchases	**375,455,318**	284,670,364
Net Assets Available For Benefits	**$3,399,289,772**	$3,050,268,810

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, 2020 and 2019

	2020	2019
ADDITIONS		
Investment income		
Interest and dividend income	**$ 55,275,260**	$ 42,551,314
Net appreciation in the fair value of investments	**230,538,274**	36,615,753
Employer contributions (Note 2)	**—**	200,000,000
Total additions	**285,813,534**	279,167,067
DEDUCTIONS		
Benefit payments	**177,723,865**	168,747,627
Administrative expenses	**28,978,916**	16,077,329
Total deductions	**206,702,781**	184,824,956
Net increase	**79,110,753**	94,342,111
Transfers from other plans (Notes 1 and 4)	**269,910,209**	—
Net Assets Available For Benefits - Beginning Of Year	**3,050,268,810**	2,955,926,699
Net Assets Available For Benefits - End Of Year	**$3,399,289,772**	$3,050,268,810

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

Parker-Hannifin Consolidated Pension Plan - A

Statement of Accumulated Plan Benefits
May 31, 2019

Actuarial Present Value of Accumulated Plan Benefits (Note 3)	
Vested benefits:	
Participants currently receiving payments	$ 1,532,528,848
Other vested participants	959,003,641
Total vested benefits	2,491,532,489
Nonvested benefits	23,026,438
Total Actuarial Present Value of Accumulated Plan Benefits	$ 2,514,558,927

Statement of Changes in Accumulated Plan Benefits
Year Ended May 31, 2019

Actuarial Present Value of Accumulated Plan Benefits - Beginning of Year	$ 2,478,873,336
Increase (decrease) during the year attributable to:	
Change in discount period	167,714,858
Benefit accruals and plan experience	51,043,053
Plan amendments	1,185,045
Assumption changes	(15,509,738)
Benefits paid	(168,747,627)
Actuarial Present Value of Accumulated Plan Benefits - End of Year	$ 2,514,558,927

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

1. Description of the Plan

The Parker-Hannifin Consolidated Pension Plan - A (the Plan) is a noncontributory defined benefit pension plan. The Plan Sponsor is Parker-Hannifin Filtration (US) Inc., a wholly-owned subsidiary of Parker Hannifin Corporation (the Company). 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 is 65. 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).

On October 29, 2019, the Company acquired LORD Corporation ("Lord"). On December 31, 2019, the Lord Corporation Hourly Employees' Pension Plan and the Lord Corporation Salaried Employees' Pension Plan (the Former Lord Plans) merged into the Plan. As a result of this merger, Northern Trust, the trustee of the Former Lord Plans, became the second trustee of the Plan.

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. As a result of the Company's continual consolidation of its pension plans, a majority of the Company's employees have frozen pension benefits in the Plan as well as ongoing participation in the defined contribution 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. Gains or losses on disposition of securities are based on average cost of the investments. Net appreciation (depreciation) in the fair value of 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 were designed to fund the Plan's current service costs on a current basis and to fund the estimated accrued benefit cost arising from qualifying past service over the applicable time period. The Company was not required to make any contributions for the years ended May 31, 2020 and 2019. A discretionary cash contribution of $200,000,000 was made during the year ended May 31, 2019. The investment income of the Plan served to reduce future contributions that would otherwise be required to provide for the defined level of benefits under the Plan.

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 has evaluated subsequent events through February 26, 2021, the date these financial statements were issued.

3. Benefits

Accumulated plan benefits were calculated by consulting actuaries at June 1, 2019, the most recent benefit information date. Had the valuation been performed as of May 31, 2019, there would be no material differences in the accumulated plan benefits. The valuation was performed using the Pri-2012 tables, projected using generational scale MP-2019. Generational scales are issued annually by the Society of Actuaries. 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 the 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, 2019 are as follows:

Actuarial Cost Method	Standard unit credit cost method
Interest Rate	7.0%
Mortality	Healthy - Pri-2012 table using projection scale MP-2019 with no collar adjustments for males and blue collar adjustments for females. Disabled - Pri-2012 table using projection scale MP-2019.
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. If the Plan was 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, 2020, the following net assets and accumulated plan benefits were transferred to and assumed by the Plan:

Plan Name	Effective Date	Net Assets Transferred	Assumed Accumulated Plan Benefits
Lord Corporation Hourly Employees' Pension Plan	12/31/2019	$ 48,771,283	$ 40,350,893
Lord Corporation Salaried Employees' Pension Plan	12/31/2019	221,138,926	187,238,054
Total		$ 269,910,209	$ 227,588,947

5. 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 assets existing at that time and the PBGC guaranty, while other benefits may not be provided for at all.

6. Investments

The Plan's investments at May 31, 2020 and 2019 are summarized as follows:

	2020		2019	
	Fair Value	**Cost**	Fair Value	Cost
Cash and cash equivalents	**$ 186,389,265**	**$ 186,388,238**	$ 121,524,328	$ 121,523,487
Equity securities:				
Parker-Hannifin Corporation	**239,269,215**	**19,135,336**	202,508,678	19,135,336
Government securities	**454,653,111**	**446,271,471**	411,372,050	387,562,845
Corporate debt securities	**600,618,344**	**553,984,050**	498,563,204	494,251,431
Real estate debt securities	**7,533,135**	**8,017,852**	—	—
Mutual funds	**357,915,187**	**326,785,399**	667,979,004	675,018,912
Common/collective trusts	**1,916,408,623**	**1,831,666,683**	1,170,208,840	1,195,025,096
Limited partnerships	**2,216,868**	**2,554,621**	252,000,199	203,231,068
Miscellaneous	**326,174**	**2,710,615**	403,924	2,937,048
Total investments	**3,765,329,922**	**3,377,514,265**	3,324,560,227	3,098,685,223
Accrued interest and dividends	**9,415,168**	**9,415,168**	10,378,947	10,378,947
Net pending purchases	**(375,455,318)**	**(375,455,318)**	(284,670,364)	(284,670,364)
Total net investments	**$ 3,399,289,772**	**$3,011,474,115**	$ 3,050,268,810	$ 2,824,393,806

7. Fair Value Measurements

A summary of the Plan's investments that were measured at fair value on a recurring basis at May 31, 2020 follows:

	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash and cash equivalents	**$ 186,389,265**	**$ 182,118,265**	**$ 4,271,000**	**$ —**
Equity securities	**239,269,215**	**239,269,215**	**—**	**—**
Government securities	**454,653,111**	**380,268,679**	**74,384,432**	**—**
Corporate debt securities	**600,618,344**	**—**	**600,618,344**	**—**
Real estate debt securities	**7,533,135**	**—**	**7,533,135**	**—**
Mutual funds	**104,760,559**	**104,760,559**	**—**	**—**
Miscellaneous	**326,174**	**—**	**326,174**	**—**
Total investments in the fair value hierarchy	**1,593,549,803**	**$ 906,416,718**	**$ 687,133,085**	**$ —**
Investments measured at net asset value [(a)]	**2,171,780,119**			
	$3,765,329,922			

A summary of the Plan's investments that were measured at fair value on a recurring basis at May 31, 2019 follows:

	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash and cash equivalents	$ 121,524,328	$ 124,163,328	$ (2,639,000)	$ —
Equity securities	202,508,678	202,508,678	—	—
Government securities	411,372,050	345,415,742	65,956,308	—
Corporate debt securities	498,563,204	—	498,563,204	—
Mutual funds	378,648,154	378,648,154	—	—
Miscellaneous	403,924	—	403,924	—
Total investments in the fair value hierarchy	1,613,020,338	$1,050,735,902	$ 562,284,436	$ —
Investments measured at net asset value [(a)]	1,711,539,889			
	$3,324,560,227			

[(a)]Certain investments 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 and cash equivalents, including short-term investments, are valued at cost, which approximates fair value.

Equity securities consist solely of the Company's common shares and are valued at the closing price reported on the active market on which the security is traded.

Government securities, corporate debt securities and real estate 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 are 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 which was 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, fixed income and real estate funds and provide exposure to large, mid and small cap U.S. equities, international large and small cap equities, emerging market equities, U.S., international and emerging market debt securities and real estate funds. 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 90 day redemption notice while the limited partnership investments require no more than a 95 day redemption notice. At May 31, 2020 and 2019, 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.

The Plan's investment strategy for equity securities and equity funds, within both the mutual fund and common/ collective trust asset class, is to obtain capital appreciation in an amount that at least equals various market-based benchmarks. The primary investment objective of fixed income securities and fixed income funds, within both the mutual fund and common/collective trust asset class, is to provide for a constant stream of income while preserving capital. The primary investment objective of the investments in the limited partnerships and miscellaneous category is to provide a stable rate of return over a specified period of time.

8. Party-In-Interest

Certain investments held by the Plan are cash equivalents managed by BNY Mellon (BNYM), debt securities issued by BNYM and common/collective trusts managed by Northern Trust. Both BNYM and Northern Trust serve as trustees as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions. Aon serves as the Plan's investment adviser and certain Plan investments are managed by an affiliate of Aon that qualify as party-in-interest transactions.

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

9. 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, 2020, there were no uncertain tax positions taken by the Plan. The Plan did not recognize 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.

10. Trustees' Certification

The information, used as a basis for the financial statements, which was certified or provided by the trustees, is 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, 2020
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; VAR RT 12/31/49 FEE CL 13; INVESTMENT FUND	$ 168,985,510	$ 168,985,510
*	CASH	CASH/CASH EQUIV; 01/01/49 DD 07/01/08	3,169,000	3,169,000
*	CASH	CASH/CASH EQUIV; VAR RT 10/26/20 DD 10/09/18 INVESTMENT FUND	300,000	300,540
*	CASH	US TREASURY BILL	7,314,729	7,314,729
*	CASH	CASH/CASH EQUIV; US (MOSTLY INVESTMENT FUNDS) & FOREIGN	6,618,999	6,619,486
*	PARKER-HANNIFIN CORP	EQUITY SEC; No. of SHARES - 1,329,495	19,135,336	239,269,215
	ISHARES CORE MSCI EAFE ETF	MUTUAL FUND; No. of SHARES - 550,963	30,912,399	30,870,457
	ISHARES CORE MSCI EMERGING	MUTUAL FUND; No. of SHARES - 275,517	12,506,577	12,409,286
	ISHARES CORE S&P 500 ETF	MUTUAL FUND; No. of SHARES - 205,500	56,123,244	62,714,490
	S & P 500 INDEX (SPX)	MUTUAL FUND; No. of SHARES - (302)	(722,847)	(1,233,674)
	PIMCO FDS PAC INVT MGMT	MUTUAL FUND; No. of SHARES - 572,947	7,035,954	7,064,441
	PIMCO FDS LONG DURATION	MUTUAL FUND; No. of SHARES - 18,900,936	220,930,071	246,090,187
*	AON GLOBAL EQUITY PARTICIPANT	CCT; No. of SHARES - 26,611,781	348,614,331	372,032,699
	RUSSELL SMALL/MID CAP (R) INDEX	CCT; No. of SHARES - 1,261,590	73,452,275	70,802,937
	SSGA GLOBAL EQUITY EX USA	CCT; No. of SHARES - 38,276,125	393,799,428	376,062,927
	S&P 500 (R) INDX NL SF CL A	CCT; No. of SHARES - 3,385,421	193,206,312	211,219,801
	AHGT MULTI ASSET CREDIT	CCT; No. of SHARES - 20,868,039	340,974,118	335,600,756
	AGT GLOBAL REAL ESTATE	CCT; No. of SHARES - 1,555,105	32,929,789	28,649,549
	VENTAS LIFE SCIENCE AND HEALTHCARE REAL ESTATE FUND LP	CCT; No. of SHARES - 12,658	12,658,227	12,491,839
	CORTLAND GROWTH AND INCOME LP	CCT; No. of SHARES - 17,801	20,387,030	20,101,080
	CLARION LION PROPERTIES FUND	CCT; No. of SHARES - 72,242	110,863,474	112,480,592
*	PRISA LP	CCT; No. of SHARES - 63,689	110,892,007	112,830,978
*	MFB NT COLLECTIVE MSCI EMERGING MARKETS FUND-NON LENDING	CCT; No. of SHARES - 55,839	8,043,515	9,203,231
*	NTCC INTL EQUITY NL FUND FEBT	CCT; No. of SHARES - 268,143	40,258,862	44,963,815
*	MFB NT COLLECTIVE RUSSELL 1000 INDEX FUND - NON LENDING	CCT; No. of SHARES - 1,944,600	47,569,140	68,920,509
*	NTCC SMALL CAP FD FEBT	CCT; No. of SHARES - 14,866	10,105,288	9,550,801
*	MFB NT COLLECTIVE LONG-TERM GOVT BD INDEX FUND-NON-LENDING	CCT; No. of SHARES - 675,510	31,821,707	47,812,595
*	CF BLACKROCK LONG DURATION CORP CR SCREENED NON-LENDING FUND	CCT; No. of SHARES - 4,036,201	56,091,179	83,684,515
	ENTRUST CLASS X SERIES	LIMITED PARTNERSHIP; No. of SHARES - 25,546	2,554,621	2,216,868
	VFNC TRUST PROM NOTE C-11 144A	MISCELLANEOUS; No. of SHARES - 3,067,652	2,710,615	326,174

US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 1.750% 01/15/2028 DD 01/15/08; No. of SHARES - 480,422	525,845	564,010
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 2.500% 01/15/2029 DD 01/15/09; No. of SHARES - 1,695,736	2,138,721	2,135,711
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 1.375% 02/15/2044 DD 02/15/14; No. of SHARES - 440,044	594,528	589,294
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.875% 02/15/2047 DD 02/15/17; No. of SHARES - 320,805	344,787	400,823
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 1.000% 02/15/2048 DD 02/15/18; No. of SHARES - 1,247,652	1,641,995	1,615,348
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.375% 07/15/2027 DD 07/15/17; No. of SHARES - 629,842	671,634	672,022
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.500% 01/15/2028 DD 01/15/18; No. of SHARES - 1,871,790	2,013,338	2,015,750
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.875% 01/15/2029 DD 01/15/19; No. of SHARES - 1,797,258	2,016,035	2,007,429
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.250% 07/15/2029 DD 07/15/19; No. of SHARES - 131,190	133,797	140,547
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.625% 01/15/2026 DD 01/15/16; No. of SHARES - 152,092	150,973	161,590
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.375% 01/15/2027 DD 01/15/17; No. of SHARES - 53,431	54,350	56,526
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.125% 04/15/2022 DD 04/15/17; No. of SHARES - 742,994	738,140	744,473
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.750% 07/15/2028 DD 07/15/18; No. of SHARES - 4,970,645	5,493,111	5,496,590
U S TREASURY BD CPN STRIP	FIXED INCOME; GOVT; 0.000% 02/15/2035 DD 02/15/06; No. of SHARES - 6,300,000	5,395,660	5,390,595
U S TREASURY BD CPN STRIP	FIXED INCOME; GOVT; 0.000% 05/15/2034 DD 08/15/07; No. of SHARES - 5,600,000	3,887,244	4,856,992
U S TREASURY BD CPN STRIP	FIXED INCOME; GOVT; 0.000% 11/15/2036 DD 08/15/07; No. of SHARES - 27,000,000	22,402,496	22,374,090
U S TREASURY BD PRIN STRIP	FIXED INCOME; GOVT; 0.000% 08/15/2040 DD 08/16/10; No. of SHARES - 60,000	25,497	46,732
U S TREASURY BOND	FIXED INCOME; GOVT; 4.375% 02/15/2038 DD 02/15/08; No. of SHARES - 250,000	307,251	388,975
U S TREASURY BOND	FIXED INCOME; GOVT; 4.500% 05/15/2038 DD 05/15/08; No. of SHARES - 3,600,000	5,664,878	5,684,220
U S TREASURY BOND	FIXED INCOME; GOVT; 4.250% 05/15/2039 DD 05/15/09; No. of SHARES - 1,900,000	2,973,978	2,940,991
U S TREASURY BOND	FIXED INCOME; GOVT; 4.500% 08/15/2039 DD 08/15/09; No. of SHARES - 1,400,000	2,256,531	2,230,102
U S TREASURY BOND	FIXED INCOME; GOVT; 4.375% 05/15/2040 DD 05/15/10; No. of SHARES - 560,000	892,668	885,674
U S TREASURY BOND	FIXED INCOME; GOVT; 3.875% 08/15/2040 DD 08/15/10; No. of SHARES - 330,000	503,192	491,598
U S TREASURY BOND	FIXED INCOME; GOVT; 4.250% 11/15/2040 DD 11/15/10; No. of SHARES - 12,800,000	19,959,766	19,995,520
U S TREASURY BOND	FIXED INCOME; GOVT; 4.750% 02/15/2041 DD 02/15/11; No. of SHARES - 50,000	67,929	82,858
U S TREASURY BOND	FIXED INCOME; GOVT; 4.375% 05/15/2041 DD 05/15/11; No. of SHARES - 9,800,000	15,867,646	15,577,394
U S TREASURY BOND	FIXED INCOME; GOVT; 3.125% 11/15/2041 DD 11/15/11; No. of SHARES - 10,180,000	13,630,226	13,762,851
U S TREASURY BOND	FIXED INCOME; GOVT; 3.625% 02/15/2044 DD 02/15/14; No. of SHARES - 4,275,000	6,239,446	6,259,712
U S TREASURY BOND	FIXED INCOME; GOVT; 3.375% 05/15/2044 DD 05/15/14; No. of SHARES - 1,970,000	2,804,070	2,786,329

U S TREASURY BOND	FIXED INCOME; GOVT; 3.125% 08/15/2044 DD 08/15/14; No. of SHARES - 2,420,000	3,320,678	3,301,219
U S TREASURY BOND	FIXED INCOME; GOVT; 3.000% 11/15/2044 DD 11/15/14; No. of SHARES - 750,000	1,025,678	1,004,385
U S TREASURY BOND	FIXED INCOME; GOVT; 2.500% 02/15/2046 DD 02/15/16; No. of SHARES - 2,820,000	3,627,941	3,492,626
U S TREASURY BOND	FIXED INCOME; GOVT; 2.875% 05/15/2049 DD 05/15/19; No. of SHARES - 2,440,000	3,316,087	3,300,490
U S TREASURY BOND	FIXED INCOME; GOVT; 2.250% 08/15/2049 DD 08/15/19; No. of SHARES - 1,710,000	2,045,716	2,056,480
U S TREASURY BOND	FIXED INCOME; GOVT; 2.250% 08/15/2049 DD 08/15/19; No. of SHARES - 1,015,000	1,240,898	1,220,659
U S TREASURY BOND	FIXED INCOME; GOVT; 2.000% 02/15/2050 DD 02/15/20; No. of SHARES - 139,980,000	159,285,041	160,429,678
U S TREASURY BOND	FIXED INCOME; GOVT; 2.000% 02/15/2050 DD 02/15/20; No. of SHARES - 830,000	966,843	951,255
U S TREASURY BOND	FIXED INCOME; GOVT; 2.000% 02/15/2050 DD 02/15/20; No. of SHARES - 1,720,000	1,973,443	1,971,275
U S TREASURY BOND	FIXED INCOME; GOVT; 1.250% 05/15/2050 DD 05/15/20; No. of SHARES - 8,300,000	7,955,075	7,986,177
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.375% 09/15/2020 DD 09/15/17; No. of SHARES - 417,000	415,473	418,384
U S TREASURY NOTE	FIXED INCOME; GOVT; 2.250% 11/15/2027 DD 11/15/17; No. of SHARES - 18,300,000	20,472,276	20,631,054
U S TREASURY NOTE	FIXED INCOME; GOVT; 2.625% 08/31/2020 DD 08/31/18; No. of SHARES - 1,417,000	1,427,502	1,425,743
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.375% 10/31/2020 DD 10/31/15; No. of SHARES - 1,910,100	1,905,026	1,919,421
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.125% 02/28/2021 DD 02/29/16; No. of SHARES - 7,400,000	7,456,491	7,451,430
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.375% 05/31/2021 DD 05/31/16; No. of SHARES - 6,900,000	6,984,681	6,980,316
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.125% 07/31/2021 DD 07/31/16; No. of SHARES - 6,600,000	6,675,119	6,671,148
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.625% 09/30/2026 DD 09/30/19; No. of SHARES - 580,000	576,381	622,618
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.750% 11/15/2029 DD 11/15/19; No. of SHARES - 410,000	403,786	452,825
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.500% 02/15/2030 DD 02/15/20; No. of SHARES - 24,330,000	26,216,620	26,313,382
U S TREASURY NOTE	FIXED INCOME; GOVT; 0.625% 05/15/2030 DD 05/15/20; No. of SHARES - 1,585,000	1,574,694	1,581,592
US LONG BOND FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - 73	—	71,448

US ULTRA BOND (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - -463	—	(394,274)
US 10YR ULTRA FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - -587	—	(463,180)
US 10YR NOTE FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - 2148	—	587,422
US 5YR NOTE FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - -265	—	(58,717)
US 2YR NOTE FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - -281	—	(10,922)
REPUBLIC OF SOUTH AFRICA GOVERNMENT	FIXED INCOME; GOVT; 8.250% 03/31/2032; No. of SHARES - 2,200,000	184,365	112,149
UNIV OF VIRGINIA VA REVENUE	FIXED INCOME; GOVT; 3.227% 09/01/2119 DD 09/12/19; No. of SHARES - 700,000	700,000	723,079
UNIV OF TEXAS TX PERMANENT UNIVERSITY	FIXED INCOME; GOVT; 3.376% 07/01/2047 DD 11/14/17; No. of SHARES - 500,000	477,440	599,620
UNIV OF CALIFORNIA CA REVENUES	FIXED INCOME; GOVT; 5.770% 05/15/2043 DD 08/27/09; No. of SHARES - 380,000	478,055	553,478
TULARE CNTY CA PENSION OBLG	FIXED INCOME; GOVT; 3.959% 06/01/2027 DD 06/25/18; No. of SHARES - 800,000	800,000	898,536
TEXAS STATE	FIXED INCOME; GOVT; 5.517% 04/01/2039 DD 08/26/09; No. of SHARES - 320,000	403,917	467,482
TEXAS ST PRIV ACTIVITY BOND SU	FIXED INCOME; GOVT; 3.922% 12/31/2049 DD 12/17/19; No. of SHARES - 220,000	220,000	219,454
SAN ANTONIO TX ELEC & GAS REVENUE	FIXED INCOME; GOVT; 4.427% 02/01/2042 DD 03/29/12; No. of SHARES - 1,000,000	1,103,620	1,215,840
PORT AUTH OF NEW YORK & NEW JERSEY	FIXED INCOME; GOVT; 4.458% 10/01/2062 DD 10/10/12; No. of SHARES - 600,000	601,092	757,284
PORT AUTH OF NEW YORK & NEW JERSEY	FIXED INCOME; GOVT; 4.458% 10/01/2062 DD 10/10/12; No. of SHARES - 945,000	1,077,575	1,192,722
PASADENA CA PUBLIC FING AUTH L	FIXED INCOME; GOVT; 7.148% 03/01/2043 DD 11/23/10; No. of SHARES - 200,000	200,000	293,206
N TX TOLLWAY AUTH REVENUE	FIXED INCOME; GOVT; 6.718% 01/01/2049 DD 08/12/09; No. of SHARES - 300,000	446,964	499,953
NEWPORT BEACH CA COPS	FIXED INCOME; GOVT; 7.168% 07/01/2040 DD 11/30/10; No. of SHARES - 200,000	200,000	300,106
NEW YORK CITY NY MUNI WATER FIN	FIXED INCOME; GOVT; 5.440% 06/15/2043 DD 09/23/10; No. of SHARES - 335,000	426,020	505,173
NEW JERSEY ST TURNPIKE AUTH	FIXED INCOME; GOVT; 7.102% 01/01/2041 DD 12/15/10; No. of SHARES - 560,000	813,854	888,759
NEW JERSEY ST TURNPIKE AUTH	FIXED INCOME; GOVT; 7.414% 01/01/2040 DD 04/28/09; No. of SHARES - 210,000	315,097	342,059
MIAMI-DADE CNTY FL AVIATION RE	FIXED INCOME; GOVT; 3.862% 10/01/2029 DD 08/30/18; No. of SHARES - 400,000	400,000	435,120
MASSACHUSETTS STATE	FIXED INCOME; GOVT; 2.900% 09/01/2049 DD 09/12/19; No. of SHARES - 600,000	600,000	634,410
LOS ANGELES CA UNIF SCHOOL DISTRICT	FIXED INCOME; GOVT; 6.758% 07/01/2034 DD 03/04/10; No. of SHARES - 50,000	67,000	71,124
LOS ANGELES CA UNIF SCHOOL DISTRICT	FIXED INCOME; GOVT; 6.758% 07/01/2034 DD 03/04/10; No. of SHARES - 3,570,000	4,964,425	5,078,254
LOS ANGELES CA DEPT WATER & POWER	FIXED INCOME; GOVT; 5.716% 07/01/2039 DD 06/02/10; No. of SHARES - 1,000,000	1,268,860	1,478,640
CALIFORNIA ST UNIV REVENUE	FIXED INCOME; GOVT; 3.899% 11/01/2047 DD 03/09/17; No. of SHARES - 30,000	33,600	34,901
CALIFORNIA STATE	FIXED INCOME; GOVT; 7.600% 11/01/2040 DD 12/01/10; No. of SHARES - 385,000	600,273	684,634

CALIFORNIA STATE	FIXED INCOME; GOVT; 7.300% 10/01/2039 DD 10/15/09; No. of SHARES - 680,000	988,502	1,106,435
CALIFORNIA STATE	FIXED INCOME; GOVT; 7.550% 04/01/2039 DD 04/28/09; No. of SHARES - 145,000	221,589	250,054
BAY AREA CA TOLL AUTH TOLL BRI	FIXED INCOME; GOVT; 6.263% 04/01/2049 DD 11/05/09; No. of SHARES - 860,000	1,230,006	1,497,380
RESOLUTION FDG CORP PRIN STRIP	FIXED INCOME; GOVT; 0.000% 01/15/2030 DD 01/30/91; No. of SHARES - 6,100,000	3,710,064	5,365,377
FEDERAL NATL MTG ASSN STRIP	FIXED INCOME; GOVT; 0.000% 05/15/2030 DD 05/05/00; No. of SHARES - 2,800,000	2,256,241	2,430,344
QATAR GOVERNMENT INTERNATIONAL 144A	FIXED INCOME; GOVT; 4.400% 04/16/2050 DD 04/16/20; No. of SHARES - 800,000	800,000	951,008
PERUSAHAAN PENERBIT SBSN 144A	FIXED INCOME; GOVT; 4.450% 02/20/2029 DD 02/20/19; No. of SHARES - 400,000	400,800	445,500
ABU DHABI GOVERNMENT INTE 144A	FIXED INCOME; GOVT; 3.875% 04/16/2050 DD 04/16/20; No. of SHARES - 1,000,000	961,360	1,138,750
INDONESIA GOVERNMENT INTE REGS	FIXED INCOME; GOVT; 4.750% 07/18/2047 DD 07/18/17; No. of SHARES - 600,000	597,750	693,000
INDONESIA GOVERNMENT INTE REGS	FIXED INCOME; GOVT; 6.750% 01/15/2044; No. of SHARES - 300,000	408,375	431,106
QATAR GOVERNMENT INTERNATIONAL REGS	FIXED INCOME; GOVT; 3.875% 04/23/2023; No. of SHARES - 600,000	595,932	639,000
KUWAIT INTERNATIONALL GOVE REGS	FIXED INCOME; GOVT; 3.500% 03/20/2027; No. of SHARES - 1,000,000	990,260	1,102,500
KUWAIT INTERNATIONALL GOVE REGS	FIXED INCOME; GOVT; 2.750% 03/20/2022; No. of SHARES - 400,000	397,464	410,000
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 5.000% 04/27/2051 DD 04/27/20; No. of SHARES - 630,000	587,201	676,620
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.750% 04/27/2032 DD 04/27/20; No. of SHARES - 255,000	249,298	276,038
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.250% 04/16/2030 DD 01/16/20; No. of SHARES - 235,000	233,750	231,475
CCP_CDX. BP UL ITRAXX_EUROPE_3	FIXED INCOME; GOVT; PAY 100BPS 2024 DEC 20; No. of SHARES - 300,000	(7,763)	(4,455)
INDONESIA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 1.400% 10/30/2031; No. of SHARES - 300,000	333,040	302,420
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.000% 03/15/2115; No. of SHARES - 400,000	446,579	418,310
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.500% 01/31/2050 DD 07/31/19; No. of SHARES - 975,000	1,007,430	1,004,250
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.600% 01/23/2046 DD 01/23/15; No. of SHARES - 19,000	18,997	19,737
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 5.750% 10/12/2110 DD 10/12/10; No. of SHARES - 790,000	806,795	855,183
PERUVIAN GOVERNMENT INTER 144A	FIXED INCOME; GOVT; 6.950% 08/12/2031 DD 04/24/08; No. of SHARES - 400,000	143,140	143,250
PERUVIAN GOVERNMENT INTER 144A	FIXED INCOME; GOVT; 5.940% 02/12/2029 DD 12/06/18; No. of SHARES - 1,100,000	325,444	368,590
URUGUAY GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.975% 04/20/2055 DD 04/20/18; No. of SHARES - 600,000	592,278	729,756
URUGUAY GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 5.100% 06/18/2050 DD 06/18/14; No. of SHARES - 615,000	649,594	753,381
PHILIPPINE GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 2.950% 05/05/2045 DD 05/05/20; No. of SHARES - 220,000	220,000	228,466
PHILIPPINE GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.700% 02/02/2042 DD 02/02/17; No. of SHARES - 290,000	355,975	332,320
PERUVIAN GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 2.844% 06/20/2030 DD 06/20/19; No. of SHARES - 115,000	115,000	121,613

PANAMA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.870% 07/23/2060 DD 07/23/19; No. of SHARES - 190,000	189,884	207,575
STATE OF ISRAEL	FIXED INCOME; GOVT; 3.375% 01/15/2050 DD 01/15/20; No. of SHARES - 500,000	487,630	528,030
ISRAEL GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.875% 07/03/2050 DD 04/03/20; No. of SHARES - 230,000	230,000	262,931
ISRAEL GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.875% 07/03/2050 DD 04/03/20; No. of SHARES - 900,000	900,000	1,028,862
COLOMBIA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.000% 01/30/2030 DD 01/30/20; No. of SHARES - 285,000	281,888	285,000
COLOMBIA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.500% 03/15/2029 DD 10/12/18; No. of SHARES - 200,000	209,302	220,264
COLOMBIA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 5.625% 02/26/2044 DD 01/28/14; No. of SHARES - 615,000	683,265	743,228
CHILE GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.500% 01/25/2050 DD 06/25/19; No. of SHARES - 1,475,000	1,519,340	1,578,250
FNMA GTD REMIC P/T 13-67 NS	FIXED INCOME; GOVT; VAR RT 07/25/2043 DD 06/25/13; No. of SHARES - 213,417.55	163,264	225,764
FNMA POOL #0MA3804	FIXED INCOME; GOVT; 4.000% 10/01/2049 DD 09/01/19; No. of SHARES - 93,227.75	97,536	99,166
FNMA POOL #0BL1271	FIXED INCOME; GOVT; 3.840% 01/01/2031 DD 01/01/19; No. of SHARES - 1,000,000	1,002,969	1,192,540
FNMA POOL #0BL1248	FIXED INCOME; GOVT; 3.750% 01/01/2029 DD 01/01/19; No. of SHARES - 900,000	905,063	1,056,159
FNMA POOL #0545382	FIXED INCOME; GOVT; 8.000% 11/01/2028 DD 12/01/01; No. of SHARES - 1,780.77	3,378	1,973
FNMA POOL #0535441	FIXED INCOME; GOVT; 8.000% 03/01/2030 DD 07/01/00; No. of SHARES - 776.39	1,104	793
FNMA POOL #0399910	FIXED INCOME; GOVT; 7.000% 12/01/2027 DD 12/01/97; No. of SHARES - 116.34	155	120
FNMA POOL #0357140	FIXED INCOME; GOVT; 6.000% 07/01/2031 DD 07/01/01; No. of SHARES - 1,718.79	1,864	1,863
FNMA POOL #0190880	FIXED INCOME; GOVT; VAR RT 11/01/2028 DD 06/01/94; No. of SHARES - 2,125.07	2,272	2,140
FNMA POOL #0100254	FIXED INCOME; GOVT; 8.000% 12/15/2024 DD 12/01/98; No. of SHARES - 4,956.14	10,319	5,508
FHLMC MULTICLASS MTG 4380 ZG	FIXED INCOME; GOVT; 3.000% 04/15/2053 DD 08/01/14; No. of SHARES - 2,257,230.51	1,964,054	2,394,357
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.500% 10/01/2050 DD 10/01/20; No. of SHARES - 55,000,000	57,660,235	57,749,450
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.500% 10/01/2050 DD 10/01/20; No. of SHARES - -55,000,000	(57,814,453)	(57,749,450)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.500% 07/01/2050 DD 07/01/20; No. of SHARES - -1,800,000	(1,944,000)	(1,944,810)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.500% 06/01/2050 DD 06/01/20; No. of SHARES - 1,200,000	1,295,758	1,296,372
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.000% 07/01/2050 DD 07/01/20; No. of SHARES - 10,000,000	10,648,438	10,644,900
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.000% 05/01/2050 DD 05/01/20; No. of SHARES - -4,500,000	(4,790,812)	(4,783,860)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.000% 05/01/2050 DD 05/01/20; No. of SHARES - 4,500,000	4,641,414	4,783,860
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 3.500% 07/01/2050 DD 07/01/20; No. of SHARES - -10,600,000	(11,164,781)	(11,177,382)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 3.500% 01/01/2050 DD 01/01/20; No. of SHARES - -19,100,000	(19,599,859)	(19,696,875)

COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 3.500% 01/01/2050 DD 01/01/20; No. of SHARES - 19,100,000	19,665,912	19,696,875
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 3.000% 06/01/2050 DD 06/01/20; No. of SHARES - -4,900,000	(5,162,609)	(5,154,947)
COMMIT TO PUR FNMA SF MTG OTC	FIXED INCOME; GOVT; PUT AUG 20 102.421875 ED 80620; No. of SHARES - -800,000	(5,250)	(3,374)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 2.500% 08/01/2050 DD 08/01/20; No. of SHARES - 15,000,000	15,465,500	15,499,800
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 2.500% 07/01/2050 DD 07/01/20; No. of SHARES - 9,000,000	9,296,120	9,318,420
COMMIT TO PUR FNMA SINGLE (OTC)	FIXED INCOME; GOVT; PUT AUG 20 100.4375 ED 080620; No. of SHARES - -2,500,000	(21,094)	(10,539)
COMMIT TO PUR FNMA SINGLE	FIXED INCOME; GOVT; 2.000% 08/01/2050 DD 08/01/20; No. of SHARES - 5,100,000	5,169,229	5,178,081
REGENCY CENTERS LP	FIXED INCOME; REAL ESTATE; 2.950% 09/15/2029 DD 08/20/19; No. of SHARES - 100,000	99,903	96,078
REGENCY CENTERS LP	FIXED INCOME; REAL ESTATE; 4.650% 03/15/2049 DD 03/06/19; No. of SHARES - 645,000	697,508	676,708
REGENCY CENTERS LP	FIXED INCOME; REAL ESTATE; 4.400% 02/01/2047 DD 01/26/17; No. of SHARES - 50,000	50,817	50,427
PROLOGIS LP	FIXED INCOME; REAL ESTATE; 3.000% 04/15/2050 DD 02/18/20; No. of SHARES - 690,000	682,658	692,884
PROLOGIS LP	FIXED INCOME; REAL ESTATE; 2.250% 04/15/2030 DD 02/18/20; No. of SHARES - 245000	243,535	251,600
OMEGA HEALTHCARE INVESTORS INC	FIXED INCOME; REAL ESTATE; 3.625% 10/01/2029 DD 09/20/19; No. of SHARES - 700,000	689,794	636,237
KIMCO REALTY CORP	FIXED INCOME; REAL ESTATE; 3.700% 10/01/2049 DD 08/29/19; No. of SHARES - 700,000	691,824	577,129
HEALTHCARE REALTY TRUST INC	FIXED INCOME; REAL ESTATE; 2.400% 03/15/2030 DD 03/18/20; No. of SHARES - 500,000	498,325	452,905
HEALTHPEAK PROPERTIES INC	FIXED INCOME; REAL ESTATE; 3.500% 07/15/2029 DD 07/05/19; No. of SHARES - 600,000	597,432	608,822
GLP CAPITAL LP / GLP FINANCING	FIXED INCOME; REAL ESTATE; 4.000% 01/15/2030 DD 08/29/19; No. of SHARES - 700,000	698,257	610,750
GLP CAPITAL LP / GLP FINANCING	FIXED INCOME; REAL ESTATE; 3.350% 09/01/2024 DD 08/29/19; No. of SHARES - 200,000	199,798	184,470
EPR PROPERTIES	FIXED INCOME; REAL ESTATE; 3.750% 08/15/2029 DD 08/15/19; No. of SHARES - 700,000	694,176	570,416
EPR PROPERTIES	FIXED INCOME; REAL ESTATE; 4.500% 06/01/2027 DD 05/23/17; No. of SHARES - 700,000	695,751	603,722
BRIXMOR OPERATING PARTNERSHIP	FIXED INCOME; REAL ESTATE; 4.125% 05/15/2029 DD 05/10/19; No. of SHARES - 400,000	425,608	386,516

AMERICAN TOWER CORP	FIXED INCOME; REAL ESTATE; 2.950% 01/15/2025 DD 06/13/19; No. of SHARES - 900,000	892,692	960,957
ALEXANDRIA REAL ESTATE EQUITIE	FIXED INCOME; REAL ESTATE; 3.375% 08/15/2031 DD 07/15/19; No. of SHARES - 160,000	159,774	173,514
BROOKFIELD FINANCE INC	FIXED INCOME; CORP; 4.350% 04/15/2030 DD 04/09/20; No. of SHARES - 1,400,000	1,398,567	1,564,934
SUNCOR ENERGY INC	FIXED INCOME; CORP; 7.150% 02/01/2032 DD 01/29/02; No. of SHARES - 475,000	613,149	577,861
SUNCOR ENERGY INC	FIXED INCOME; CORP; 4.000% 11/15/2047 DD 11/15/17; No. of SHARES - 20,000	21,238	20,513
SUNCOR ENERGY INC	FIXED INCOME; CORP; 6.800% 05/15/2038 DD 05/15/08; No. of SHARES - 20,000	27,919	24,753
MACMILLAN BLOEDEL PEMBROKE LP	FIXED INCOME; CORP; 7.700% 02/15/2026 DD 02/21/96; No. of SHARES - 85,000	77,138	103,962
CANADIAN PACIFIC RR CO	FIXED INCOME; CORP; 6.125% 09/15/2115 DD 09/11/15; No. of SHARES - 300,000	379,269	451,332
CANADIAN PACIFIC RR CO	FIXED INCOME; CORP; 6.125% 09/15/2115 DD 09/11/15; No. of SHARES - 1,215,000	1,531,022	1,827,895
VODAFONE GROUP PLC	FIXED INCOME; CORP; 4.250% 09/17/2050 DD 09/17/19; No. of SHARES - 825,000	832,710	947,620
VODAFONE GROUP PLC	FIXED INCOME; CORP; 4.875% 06/19/2049 DD 06/19/19; No. of SHARES - 200,000	196,502	248,626
VODAFONE GROUP PLC	FIXED INCOME; CORP; 5.250% 05/30/2048 DD 05/30/18; No. of SHARES - 2,000,000	1,904,760	2,597,580
VODAFONE GROUP PLC	FIXED INCOME; CORP; 5.000% 05/30/2038 DD 05/30/18; No. of SHARES - 170,000	172,144	208,811
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 5.250% 03/16/2037 DD 03/16/17; No. of SHARES - 865,000	985,970	1,161,280
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 5.012% 04/15/2049 DD 02/03/17; No. of SHARES - 235,000	262,253	326,204
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 4.672% 03/15/2055 DD 03/13/15; No. of SHARES - 365,000	349,385	500,181
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 4.522% 09/15/2048 DD 03/13/15; No. of SHARES - 2,030,000	2,126,579	2,649,698
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 4.272% 01/15/2036 DD 07/15/15; No. of SHARES - 340,000	349,173	412,726
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 5.012% 08/21/2054 DD 02/21/15; No. of SHARES - 340,000	377,271	486,656
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 4.862% 08/21/2046 DD 02/21/15; No. of SHARES - 3,825,000	4,519,709	5,132,117
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 3.850% 11/01/2042 DD 11/07/12; No. of SHARES - 100,000	114,762	117,414
TELEFONICA EMISIONES SA	FIXED INCOME; CORP; 5.213% 03/08/2047 DD 03/08/17; No. of SHARES - 380,000	382,413	461,746
SPRINT COMMUNICATIONS INC	FIXED INCOME; CORP; 6.000% 11/15/2022 DD 11/14/12; No. of SHARES - 200,000	212,000	212,500
ROGERS COMMUNICATIONS INC	FIXED INCOME; CORP; 3.700% 11/15/2049 DD 11/12/19; No. of SHARES - 215,000	212,691	239,022
ROGERS COMMUNICATIONS INC	FIXED INCOME; CORP; 5.000% 03/15/2044 DD 03/10/14; No. of SHARES - 215,000	236,917	278,012
DEUTSCHE TELEKOM INTERNATIONAL	FIXED INCOME; CORP; VAR RT 06/15/2030 DD 07/06/00; No. of SHARES - 400,000	558,096	604,884
BRITISH TELECOMMUNICATIONS PLC	FIXED INCOME; CORP; 4.500% 12/04/2023 DD 12/04/18; No. of SHARES - 1,000,000	999,730	1,091,020
BELL CANADA INC	FIXED INCOME; CORP; 4.300% 07/29/2049 DD 05/13/19; No. of SHARES - 600,000	598,812	729,990

AT&T INC	FIXED INCOME; CORP; 5.350% 09/01/2040 DD 03/01/11; No. of SHARES - 1,400,000	1,739,010	1,745,604
AMERICA MOVIL SAB DE CV	FIXED INCOME; CORP; 4.375% 04/22/2049 DD 04/22/19; No. of SHARES - 690,000	708,062	815,580
AMERICA MOVIL SAB DE CV	FIXED INCOME; CORP; 6.125% 03/30/2040 DD 03/30/10; No. of SHARES - 355,000	443,019	488,480
AT&T INC	FIXED INCOME; CORP; 3.850% 06/01/2060 DD 05/28/20; No. of SHARES - 1,010,000	1,005,697	1,024,160
AT&T INC	FIXED INCOME; CORP; 3.850% 06/01/2060 DD 05/28/20; No. of SHARES - 245,000	243,956	248,435
AT&T INC	FIXED INCOME; CORP; 4.850% 03/01/2039 DD 02/19/19; No. of SHARES - 120,000	120,935	140,195
AT&T INC	FIXED INCOME; CORP; 5.150% 11/15/2046 DD 11/15/18; No. of SHARES - 335,000	345,050	409,474
AT&T INC	FIXED INCOME; CORP; 5.450% 03/01/2047 DD 02/09/17; No. of SHARES - 600,000	649,728	755,760
AT&T INC	FIXED INCOME; CORP; 5.250% 03/01/2037 DD 02/09/17; No. of SHARES - 175,000	186,949	213,917
AT&T INC	FIXED INCOME; CORP; 4.550% 03/09/2049 DD 09/07/16; No. of SHARES - 1,135,000	1,260,815	1,291,437
AT&T INC	FIXED INCOME; CORP; 4.550% 03/09/2049 DD 09/07/16; No. of SHARES - 270,000	256,576	307,214
AT&T INC	FIXED INCOME; CORP; 4.500% 03/09/2048 DD 09/07/16; No. of SHARES - 480,000	454,219	544,195
AT&T INC	FIXED INCOME; CORP; 4.500% 03/09/2048 DD 09/07/16; No. of SHARES - 710,000	820,725	804,955
AT&T INC	FIXED INCOME; CORP; 6.000% 08/15/2040 DD 02/15/16; No. of SHARES - 495,000	563,543	640,114
AT&T INC	FIXED INCOME; CORP; 4.750% 05/15/2046 DD 05/04/15; No. of SHARES - 525,000	514,148	611,053
AT&T INC	FIXED INCOME; CORP; 4.500% 05/15/2035 DD 05/04/15; No. of SHARES - 1,150,000	1,143,951	1,293,911
AT&T INC	FIXED INCOME; CORP; 4.800% 06/15/2044 DD 06/10/14; No. of SHARES - 615,000	611,003	709,212
AT&T INC	FIXED INCOME; CORP; 4.350% 06/15/2045 DD 06/15/13; No. of SHARES - 750,000	703,575	835,613
AT&T INC	FIXED INCOME; CORP; 4.300% 12/15/2042 DD 06/15/13; No. of SHARES - 1,680,000	1,853,304	1,858,534
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 3.450% 05/01/2050 DD 04/14/20; No. of SHARES - 125,000	124,743	137,361
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 4.150% 06/01/2049 DD 05/13/19; No. of SHARES - 1,350,000	1,344,287	1,641,006
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 4.150% 06/01/2049 DD 05/13/19; No. of SHARES - 170,000	184,387	206,645
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 4.150% 06/01/2049 DD 05/13/19; No. of SHARES - 800,000	795,760	972,448
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 3.750% 09/01/2047 DD 08/10/17; No. of SHARES - 125,000	131,395	141,794
WASHINGTON GAS LIGHT CO	FIXED INCOME; CORP; 3.650% 09/15/2049 DD 09/13/19; No. of SHARES - 700,000	696,458	775,040
WASHINGTON GAS LIGHT CO	FIXED INCOME; CORP; 3.796% 09/15/2046 DD 09/16/16; No. of SHARES - 400,000	418,736	440,780
NISOURCE INC	FIXED INCOME; CORP; 4.375% 05/15/2047 DD 05/22/17; No. of SHARES - 540,000	547,263	643,243
NISOURCE INC	FIXED INCOME; CORP; 3.600% 05/01/2030 DD 04/13/20; No. of SHARES - 500,000	498,155	565,510
DOMINION ENERGY GAS HOLDINGS L	FIXED INCOME; CORP; 3.900% 11/15/2049 DD 11/21/19; No. of SHARES - 420,000	419,782	427,472

XCEL ENERGY INC	FIXED INCOME; CORP; 3.400% 06/01/2030 DD 04/01/20; No. of SHARES - 180,000	179,406	202,052
UNION ELECTRIC CO	FIXED INCOME; CORP; 3.900% 09/15/2042 DD 09/11/12; No. of SHARES - 525,000	534,954	611,252
TUCSON ELECTRIC POWER CO	FIXED INCOME; CORP; 4.000% 06/15/2050 DD 04/09/20; No. of SHARES - 235,000	232,974	268,351
SOUTHWESTERN ELECTRIC POWER CO	FIXED INCOME; CORP; 6.200% 03/15/2040 DD 03/08/10; No. of SHARES - 200,000	242,924	270,140
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 2.250% 06/01/2030 DD 03/09/20; No. of SHARES - 135,000	134,872	134,432
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 3.650% 02/01/2050 DD 01/09/20; No. of SHARES - 150,000	158,192	157,980
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 4.200% 03/01/2029 DD 03/15/19; No. of SHARES - 205,000	237,234	235,906
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 3.700% 08/01/2025 DD 08/02/18; No. of SHARES - 600,000	598,716	656,538
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 4.000% 04/01/2047 DD 03/24/17; No. of SHARES - 645,000	670,723	712,274
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 4.000% 04/01/2047 DD 03/24/17; No. of SHARES - 400,000	415,952	441,720
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 3.500% 10/01/2023 DD 10/02/13; No. of SHARES - 500,000	524,560	529,745
DOMINION ENERGY SOUTH CAROLINA	FIXED INCOME; CORP; 5.100% 06/01/2065 DD 05/22/15; No. of SHARES - 55,000	65,274	77,066
SEMPRA ENERGY	FIXED INCOME; CORP; 4.000% 02/01/2048 DD 01/12/18; No. of SHARES - 305,000	290,338	342,003
SEMPRA ENERGY	FIXED INCOME; CORP; 3.800% 02/01/2038 DD 01/12/18; No. of SHARES - 285,000	263,303	303,485
SEMPRA ENERGY	FIXED INCOME; CORP; 6.000% 10/15/2039 DD 10/08/09; No. of SHARES - 200,000	244,066	264,970
SAN DIEGO GAS & ELECTRIC CO	FIXED INCOME; CORP; 3.320% 04/15/2050 DD 04/07/20; No. of SHARES - 500,000	499,335	533,255
SAN DIEGO GAS & ELECTRIC CO	FIXED INCOME; CORP; 3.320% 04/15/2050 DD 04/07/20; No. of SHARES - 70,000	69,907	74,656
SAN DIEGO GAS & ELECTRIC CO	FIXED INCOME; CORP; 4.100% 06/15/2049 DD 05/31/19; No. of SHARES - 220,000	253,854	259,734
SAN DIEGO GAS & ELECTRIC CO	FIXED INCOME; CORP; 4.150% 05/15/2048 DD 05/17/18; No. of SHARES - 70,000	90,989	83,297
PUBLIC SERVICE ELECTRIC AND GA	FIXED INCOME; CORP; 3.200% 08/01/2049 DD 08/12/19; No. of SHARES - 2,070,000	2,054,993	2,290,538
PUBLIC SERVICE ELECTRIC AND GA	FIXED INCOME; CORP; 3.800% 03/01/2046 DD 03/03/16; No. of SHARES - 55,000	65,111	64,769
PUBLIC SERVICE CO OF COLORADO	FIXED INCOME; CORP; 3.200% 03/01/2050 DD 08/13/19; No. of SHARES - 400,000	394,688	438,764
PUBLIC SERVICE CO OF COLORADO	FIXED INCOME; CORP; 3.950% 03/15/2043 DD 03/26/13; No. of SHARES - 415,000	408,223	469,560
PUBLIC SERVICE CO OF COLORADO	FIXED INCOME; CORP; 3.600% 09/15/2042 DD 09/11/12; No. of SHARES - 655,000	644,906	740,255
POTOMAC ELECTRIC POWER CO	FIXED INCOME; CORP; 4.150% 03/15/2043 DD 03/18/13; No. of SHARES - 335,000	346,233	398,643
PACIFICORP	FIXED INCOME; CORP; 3.300% 03/15/2051 DD 04/08/20; No. of SHARES - 195,000	193,393	211,951
PACIFICORP	DD 01/08/09; No. of SHARES - 610,000	779,312	859,386
PACIFIC GAS AND ELECTRIC CO	DD 09/15/10; No. of SHARES - 700,000	656,875	728,000
PECO ENERGY CO	FIXED INCOME; CORP; 3.900% 03/01/2048 DD 02/23/18; No. of SHARES - 255,000	257,672	308,598

ONCOR ELECTRIC DELIVERY CO LLC	FIXED INCOME; CORP; 3.750% 04/01/2045 DD 10/01/15; No. of SHARES - 425,000	421,694	495,100
ONCOR ELECTRIC DELIVERY CO LLC	FIXED INCOME; CORP; 4.550% 12/01/2041 DD 06/01/12; No. of SHARES - 1,005,000	1,105,038	1,288,581
ONCOR ELECTRIC DELIVERY CO LLC	FIXED INCOME; CORP; 5.300% 06/01/2042 DD 05/18/12; No. of SHARES - 530,000	639,222	736,626
OHIO POWER CO	FIXED INCOME; CORP; 2.600% 04/01/2030 DD 03/17/20; No. of SHARES - 120,000	119,873	127,387
OGLETHORPE POWER CORP	FIXED INCOME; CORP; 5.375% 11/01/2040 DD 11/09/10; No. of SHARES - 910,000	1,048,912	1,053,725
OGLETHORPE POWER CORP	FIXED INCOME; CORP; 5.050% 10/01/2048 DD 04/01/19; No. of SHARES - 85,000	97,914	95,925
OGLETHORPE POWER CORP	FIXED INCOME; CORP; 4.550% 06/01/2044 DD 06/12/14; No. of SHARES - 520,000	522,262	565,926
NORTHERN STATES POWER CO/ MN	FIXED INCOME; CORP; 2.900% 03/01/2050 DD 09/10/19; No. of SHARES - 230,000	225,563	242,878
NORTHERN STATES POWER CO/ MN	FIXED INCOME; CORP; 3.400% 08/15/2042 DD 08/13/12; No. of SHARES - 135,000	127,468	153,772
NEXTERA ENERGY CAPITAL HOLDING	FIXED INCOME; CORP; 1.950% 09/01/2022 DD 10/07/19; No. of SHARES - 1,100,000	1,100,000	1,127,137
NEXTERA ENERGY CAPITAL HOLDING	FIXED INCOME; CORP; 3.200% 02/25/2022 DD 02/27/19; No. of SHARES - 1,400,000	1,397,032	1,460,326
NEVADA POWER CO	FIXED INCOME; CORP; 3.125% 08/01/2050 DD 01/30/20; No. of SHARES - 1,055,000	1,054,589	1,113,373
NEVADA POWER CO	FIXED INCOME; CORP; 5.450% 05/15/2041 DD 05/12/11; No. of SHARES - 185,000	214,139	229,041
MIDAMERICAN ENERGY CO	FIXED INCOME; CORP; 5.800% 10/15/2036 DD 10/06/06; No. of SHARES - 60,000	74,674	82,212
MIDAMERICAN ENERGY CO	FIXED INCOME; CORP; 4.250% 07/15/2049 DD 01/09/19; No. of SHARES - 200,000	236,182	254,052
STORA ENSO OYJ REGS	FIXED INCOME; CORP; 2.500% 03/21/2028; No. of SHARES - 700,000	838,845	783,396
BARCLAYS PLC REGS	FIXED INCOME; CORP; VAR RT 12/31/2049; No. of SHARES - 400,000	514,283	489,575
BARCLAYS PLC	FIXED INCOME; CORP; VAR RT 12/31/2049; No. of SHARES - 300,000	393,194	360,691
MIDAMERICAN ENERGY CO	FIXED INCOME; CORP; 3.650% 08/01/2048 DD 02/01/18; No. of SHARES - 2,025,000	1,961,739	2,348,879
MIDAMERICAN ENERGY CO	FIXED INCOME; CORP; 4.400% 10/15/2044 DD 04/03/14; No. of SHARES - 70,000	83,358	87,730
RASC SERIES 2007-KS4 TR KS4 A3	FIXED INCOME; CORP; VAR RT 05/25/2037 DD 04/27/07; No. of SHARES - 267,938.64	266,348	264,884
BOEING CO/THE	FIXED INCOME; CORP; 6.875% 03/15/2039 DD 03/13/09; No. of SHARES - 335,000	465,462	394,074
BOEING CO/THE	FIXED INCOME; CORP; 3.600% 05/01/2034 DD 05/02/19; No. of SHARES - 345,000	345,726	314,940
BOEING CO/THE	FIXED INCOME; CORP; 5.705% 05/01/2040 DD 05/04/20; No. of SHARES - 1,840,000	1,839,947	2,020,982
BOEING CO/THE	FIXED INCOME; CORP; 5.805% 05/01/2050 DD 05/04/20; No. of SHARES - 1,595,000	1,597,134	1,809,687
BOEING CO/THE	FIXED INCOME; CORP; 5.805% 05/01/2050 DD 05/04/20; No. of SHARES - 1,400,000	1,400,000	1,588,440
BOEING CO/THE	FIXED INCOME; CORP; 5.930% 05/01/2060 DD 05/04/20; No. of SHARES - 190,000	190,000	220,147
GENERAL DYNAMICS CORP	FIXED INCOME; CORP; 4.250% 04/01/2040 DD 03/25/20; No. of SHARES - 245,000	252,095	304,613
GENERAL DYNAMICS CORP	FIXED INCOME; CORP; 4.250% 04/01/2050 DD 03/25/20; No. of SHARES - 60,000	59,118	78,263

LOCKHEED MARTIN CORP	FIXED INCOME; CORP; 4.850% 09/15/2041 DD 09/09/11; No. of SHARES - 255,000	279,194	332,798
LOCKHEED MARTIN CORP	FIXED INCOME; CORP; 3.600% 03/01/2035 DD 02/20/15; No. of SHARES - 45,000	48,546	54,194
LOCKHEED MARTIN CORP	FIXED INCOME; CORP; 4.500% 05/15/2036 DD 11/23/15; No. of SHARES - 185,000	201,829	236,497
LOCKHEED MARTIN CORP	FIXED INCOME; CORP; 2.800% 06/15/2050 DD 05/20/20; No. of SHARES - 540,000	535,318	564,640
NORTHROP GRUMMAN CORP	FIXED INCOME; CORP; 4.750% 06/01/2043 DD 05/31/13; No. of SHARES - 645,000	700,734	830,805
NORTHROP GRUMMAN CORP	FIXED INCOME; CORP; 4.030% 10/15/2047 DD 10/13/17; No. of SHARES - 620,000	621,330	753,083
NORTHROP GRUMMAN CORP	FIXED INCOME; CORP; 5.150% 05/01/2040 DD 03/23/20; No. of SHARES - 210,000	208,969	282,748
NORTHROP GRUMMAN CORP	FIXED INCOME; CORP; 5.250% 05/01/2050 DD 03/23/20; No. of SHARES - 120,000	119,288	173,629
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 3.125% 07/01/2050 DD 05/18/20; No. of SHARES - 505,000	503,318	532,982
SPIRIT AEROSYSTEMS INC	FIXED INCOME; CORP; 3.950% 06/15/2023 DD 05/30/18; No. of SHARES - 1,000,000	1,028,130	805,000
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 5.700% 04/15/2040 DD 02/26/10; No. of SHARES - 785,000	932,910	1,076,471
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 4.500% 06/01/2042 DD 06/01/12; No. of SHARES - 1,050,000	1,118,588	1,287,458
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 4.450% 11/16/2038 DD 08/16/18; No. of SHARES - 165,000	173,714	199,934
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 4.625% 11/16/2048 DD 08/16/18; No. of SHARES - 1,515,000	1,911,097	1,961,274
GENERAL MOTORS CO	FIXED INCOME; CORP; 6.600% 04/01/2036 DD 02/23/16; No. of SHARES - 155,000	166,887	165,807
GENERAL MOTORS CO	FIXED INCOME; CORP; 6.125% 10/01/2025 DD 05/12/20; No. of SHARES - 300,000	299,697	327,345
AERCAP IRELAND CAPITAL DAC / A	FIXED INCOME; CORP; 3.875% 01/23/2028 DD 01/23/18; No. of SHARES - 200,000	185,180	165,070
ALLY FINANCIAL INC	FIXED INCOME; CORP; 3.875% 05/21/2024 DD 05/21/19; No. of SHARES - 800,000	791,936	808,072
BGC PARTNERS INC	DD 07/24/18; No. of SHARES - 500,000	497,580	503,115
REGS	DD 10/12/17; No. of SHARES - 700,000	691,383	720,552
BANCO SANTANDER SA	DD 04/12/18; No. of SHARES - 500,000	500,000	546,895
BANCO SANTANDER SA	DD 06/27/19; No. of SHARES - 220,000	220,000	231,719
BANCO SANTANDER SA	DD 05/28/20; No. of SHARES - 185,000	185,000	188,957
BANK OF AMERICA NA	DD 10/26/06; No. of SHARES - 550,000	690,223	765,215
BANK OF AMERICA CORP	DD 01/20/17; No. of SHARES - 1,545,000	1,568,639	1,716,557
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 04/24/2028 DD 04/24/17; No. of SHARES - 1,545,000	1,555,429	1,707,225
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 12/20/2028 DD 12/20/17; No. of SHARES - 335,000	329,670	364,658
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 03/05/2029 DD 03/05/18; No. of SHARES - 260,000	265,699	293,803
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 07/23/2029 DD 07/23/18; No. of SHARES - 220,000	230,322	254,335
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 03/15/2050 DD 03/15/19; No. of SHARES - 495,000	515,587	612,845
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 04/23/2040 DD 04/23/19; No. of SHARES - 1,775,000	1,781,585	2,073,076

	BANK OF AMERICA CORP	DD 04/23/19; No. of SHARES - 1,025,000	1,028,803	1,197,128
	BANK OF AMERICA CORP	DD 02/13/20; No. of SHARES - 160,000	164,018	162,728
	BANK OF AMERICA CORP	DD 03/20/20; No. of SHARES - 593,000	593,000	702,343
	BANK OF AMERICA CORP	DD 04/29/20; No. of SHARES - 490,000	490,000	502,667
*	BANK OF NEW YORK MELLON CORP/T	DD 04/30/18; No. of SHARES - 1,000,000	997,780	1,191,720
	BROOKFIELD FINANCE INC	DD 09/14/17; No. of SHARES - 500,000	496,095	512,505
	BROOKFIELD FINANCE LLC	DD 02/21/20; No. of SHARES - 100,000	98,971	83,744
	CITIGROUP INC	DD 06/06/02; No. of SHARES - 185,000	228,923	244,313
	CITIGROUP INC	DD 05/06/14; No. of SHARES - 85,000	96,137	107,073
	CITIGROUP INC	DD 10/21/16; No. of SHARES - 200,000	185,910	213,444
	CITIGROUP INC	DD 01/10/17; No. of SHARES - 1,760,000	1,789,533	1,930,650
	CITIGROUP INC	DD 07/24/17; No. of SHARES - 2,205,000	2,360,320	2,403,406
	CITIGROUP INC	DD 01/24/18; No. of SHARES - 395,000	386,468	437,948
	CITIGROUP INC	DD 07/23/18; No. of SHARES - 190,000	243,016	235,773
	CITIGROUP INC	DD 11/05/19; No. of SHARES - 345,000	345,175	358,189
	CITIZENS FINANCIAL GROUP INC	DD 07/25/19; No. of SHARES - 1,200,000	1,197,576	1,241,160
	COMMUNITY PRESERVATION CORP/TH	DD 02/03/20; No. of SHARES - 500,000	500,000	477,370
	CREDIT SUISSE AG/NEW YORK NY	DD 11/12/19; No. of SHARES - 1,000,000	999,880	1,019,750
	DEUTSCHE BANK AG/NEW YORK NY	DD 02/27/18; No. of SHARES - 100,000	98,191	102,142
	DEUTSCHE BANK AG/NEW YORK NY	DD 11/26/19; No. of SHARES - 800,000	800,000	824,016
	DISCOVER FINANCIAL SERVICES	FIXED INCOME; CORP; 4.100% 02/09/2027 DD 02/09/17; No. of SHARES - 900,000	869,661	943,821
	GE CAPITAL INTERNATIONAL FUNDING	FIXED INCOME; CORP; 4.418% 11/15/2035 DD 05/15/16; No. of SHARES - 4,065,000	3,843,092	4,061,626
	GE CAPITAL INTERNATIONAL FUNDING	FIXED INCOME; CORP; 4.418% 11/15/2035 DD 05/15/16; No. of SHARES - 3,885,000	3,776,652	3,881,775
	GENERAL MOTORS FINANCIAL CO	FIXED INCOME; CORP; 5.250% 03/01/2026 DD 03/01/16; No. of SHARES - 2,263,000	2,377,702	2,366,374
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; 4.800% 07/08/2044 DD 07/08/14; No. of SHARES - 780,000	840,138	965,320
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; VAR RT 04/23/2029 DD 01/23/18; No. of SHARES - 4,055,000	4,411,281	4,464,271
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; VAR RT 04/23/2039 DD 04/23/18; No. of SHARES - 130,000	132,968	149,765
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; 3.800% 03/15/2030 DD 03/19/20; No. of SHARES - 270,000	267,851	299,503
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; 5.150% 05/22/2045 DD 05/22/15; No. of SHARES - 450,000	490,115	555,786
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; VAR RT 10/31/2038 DD 10/31/17; No. of SHARES - 185,000	204,904	204,738
	GOLDMAN SACHS GROUP INC/ THE	DD 10/31/17; No. of SHARES - 675,000	655,871	747,016
	HSBC HOLDINGS PLC	DD 09/12/18; No. of SHARES - 200,000	200,000	196,504
	HSBC BANK USA NA	DD 06/18/08; No. of SHARES - 285,000	384,095	418,446
	INTERCONTINENTAL EXCHANGE INC	FIXED INCOME; CORP; 2.350% 09/15/2022 DD 08/17/17; No. of SHARES - 700,000	698,397	722,154
	JPMORGAN CHASE & CO	FIXED INCOME; CORP; 5.500% 10/15/2040 DD 10/21/10; No. of SHARES - 155,000	186,935	213,739
	JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 02/22/2048 DD 02/22/17; No. of SHARES - 230,000	237,675	279,243

JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 07/24/2038 DD 07/24/17; No. of SHARES - 580,000	661,739	663,688
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 07/24/2038 DD 07/24/17; No. of SHARES - 50,000	49,235	57,215
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 07/24/2048 DD 07/24/17; No. of SHARES - 290,000	289,008	340,715
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 11/15/2048 DD 11/10/17; No. of SHARES - 680,000	667,916	795,824
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 01/23/2049 DD 01/23/18; No. of SHARES - 285,000	278,285	328,431
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 04/23/2029 DD 04/23/18; No. of SHARES - 2,750,000	3,112,450	3,105,273
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 05/06/2030 DD 05/06/19; No. of SHARES - 1,890,000	1,904,685	2,103,192
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 05/06/2030 DD 05/06/19; No. of SHARES - 70,000	77,147	77,896
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 10/15/2030 DD 09/12/19; No. of SHARES - 305,000	302,985	316,197
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 04/22/2041 DD 04/22/20; No. of SHARES - 455,000	455,000	474,133
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 04/22/2051 DD 04/22/20; No. of SHARES - 955,000	955,000	964,053
JPMORGAN CHASE & CO	FIXED INCOME; CORP; 5.400% 01/06/2042 DD 12/22/11; No. of SHARES - 335,000	401,779	458,364
LLOYDS BANKING GROUP PLC	FIXED INCOME; CORP; 4.550% 08/16/2028 DD 08/16/18; No. of SHARES - 400,000	398,792	457,160
MASTERCARD INC	FIXED INCOME; CORP; 3.650% 06/01/2049 DD 05/31/19; No. of SHARES - 1,450,000	1,447,898	1,743,567
MASTERCARD INC	FIXED INCOME; CORP; 3.850% 03/26/2050 DD 03/26/20; No. of SHARES - 90,000	89,618	115,042
MASTERCARD INC	FIXED INCOME; CORP; 3.850% 03/26/2050 DD 03/26/20; No. of SHARES - 530,000	527,753	677,467
MITSUBISHI UFJ FINANCIAL GROUP	FIXED INCOME; CORP; VAR RT 07/26/2023 DD 07/26/18; No. of SHARES - 1,400,000	1,403,486	1,381,450
MITSUBISHI UFJ FINANCIAL GROUP	FIXED INCOME; CORP; 4.153% 03/07/2039 DD 03/07/19; No. of SHARES - 500,000	500,000	573,465
MITSUBISHI UFJ FINANCIAL GROUP	FIXED INCOME; CORP; 4.153% 03/07/2039 DD 03/07/19; No. of SHARES - 255,000	267,587	292,467
MITSUBISHI UFJ FINANCIAL GROUP	FIXED INCOME; CORP; 3.751% 07/18/2039 DD 07/18/19; No. of SHARES - 515,000	515,000	566,222
MIZUHO FINANCIAL GROUP INC	FIXED INCOME; CORP; VAR RT 09/11/2024 DD 09/11/18; No. of SHARES - 600,000	600,000	586,146
MIZUHO FINANCIAL GROUP INC	FIXED INCOME; CORP; VAR RT 07/16/2025 DD 07/16/19; No. of SHARES - 1,400,000	1,400,000	1,450,302
MORGAN STANLEY	FIXED INCOME; CORP; VAR RT 01/23/2030 DD 01/23/19; No. of SHARES - 1,200,000	1,269,684	1,402,320
MORGAN STANLEY	FIXED INCOME; CORP; VAR RT 01/22/2031 DD 01/22/20; No. of SHARES - 2,410,000	2,410,000	2,487,168
MORGAN STANLEY	FIXED INCOME; CORP; VAR RT 07/22/2028 DD 07/24/17; No. of SHARES - 1,440,000	1,534,737	1,583,323
MORGAN STANLEY	FIXED INCOME; CORP; VAR RT 07/22/2038 DD 07/24/17; No. of SHARES - 370,000	365,357	422,869
MORGAN STANLEY	FIXED INCOME; CORP; 4.300% 01/27/2045 DD 01/27/15; No. of SHARES - 235,000	242,139	285,464
MORGAN STANLEY	FIXED INCOME; CORP; 6.375% 07/24/2042 DD 07/24/12; No. of SHARES - 360,000	476,021	540,886
ORIX CORP	FIXED INCOME; CORP; 4.050% 01/16/2024 DD 01/16/19; No. of SHARES - 1,100,000	1,099,065	1,190,706

PNC FINANCIAL SERVICES GROUP I	FIXED INCOME; CORP; 3.450% 04/23/2029 DD 04/22/19; No. of SHARES - 410,000	427,865	462,021
PNC BANK NA	FIXED INCOME; CORP; 2.700% 10/22/2029 DD 10/22/19; No. of SHARES - 220,000	219,083	231,634
NATWEST GROUP PLC	FIXED INCOME; CORP; VAR RT 06/25/2024 DD 06/25/18; No. of SHARES - 200,000	210,324	214,352
SANTANDER UK PLC	FIXED INCOME; CORP; 2.875% 06/18/2024 DD 06/18/19; No. of SHARES - 600,000	597,756	634,818
ONEMAIN FINANCE CORP	FIXED INCOME; CORP; 8.875% 06/01/2025 DD 05/14/20; No. of SHARES - 600,000	600,000	624,000
STIFEL FINANCIAL CORP	FIXED INCOME; CORP; 4.000% 05/15/2030 DD 05/20/20; No. of SHARES - 400,000	397,140	410,568
SUMITOMO MITSUI FINANCIAL GROU	FIXED INCOME; CORP; 2.696% 07/16/2024 DD 07/16/19; No. of SHARES - 1,000,000	1,000,000	1,046,390
SUMITOMO MITSUI FINANCIAL GROU	FIXED INCOME; CORP; 3.040% 07/16/2029 DD 07/16/19; No. of SHARES - 190,000	190,000	201,841
TRUIST BANK	FIXED INCOME; CORP; 2.250% 03/11/2030 DD 03/09/20; No. of SHARES - 290,000	289,536	286,175
VISA INC	FIXED INCOME; CORP; 4.300% 12/14/2045 DD 12/14/15; No. of SHARES - 745,000	813,108	984,622
VISA INC	FIXED INCOME; CORP; 2.700% 04/15/2040 DD 04/02/20; No. of SHARES - 105,000	104,227	111,452
VISA INC	FIXED INCOME; CORP; 1.900% 04/15/2027 DD 04/02/20; No. of SHARES - 505,000	503,576	528,735
WELLS FARGO & CO	FIXED INCOME; CORP; 5.606% 01/15/2044 DD 11/26/13; No. of SHARES - 370,000	455,283	489,085
WELLS FARGO & CO	FIXED INCOME; CORP; 4.650% 11/04/2044 DD 11/04/14; No. of SHARES - 475,000	495,268	565,046
WELLS FARGO & CO	FIXED INCOME; CORP; 4.900% 11/17/2045 DD 11/17/15; No. of SHARES - 325,000	351,413	393,396
WELLS FARGO & CO	FIXED INCOME; CORP; 4.400% 06/14/2046 DD 06/14/16; No. of SHARES - 830,000	839,495	939,220
WELLS FARGO & CO	FIXED INCOME; CORP; 4.750% 12/07/2046 DD 12/08/16; No. of SHARES - 745,000	811,777	878,549
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 06/17/2027 DD 06/17/19; No. of SHARES - 200,000	200,000	212,862
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 10/30/2030 DD 10/31/19; No. of SHARES - 530,000	530,333	550,463
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 02/11/2031 DD 02/11/20; No. of SHARES - 210,000	203,276	211,506
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 04/04/2051 DD 03/30/20; No. of SHARES - 215,000	286,511	280,979
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 04/30/2041 DD 04/30/20; No. of SHARES - 2,185,000	2,185,000	2,215,524
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 06/02/2028 DD 06/02/20; No. of SHARES - 1,615,000	1,615,000	1,629,018
LLOYDS BANK PLC REGS	No. of SHARES - 200,000	153,000	163,723
BOC AVIATION LTD REGS	No. of SHARES - 200,000	209,650	207,560
DEERE & CO	DD 03/30/20; No. of SHARES - 75,000	74,999	90,773
DEERE & CO	FIXED INCOME; CORP; 3.750% 04/15/2050 DD 03/30/20; No. of SHARES - 310,000	309,994	375,193
EATON CORP	FIXED INCOME; CORP; 4.000% 11/02/2032 DD 11/02/13; No. of SHARES - 700,000	737,345	796,453
GENERAL ELECTRIC CO	FIXED INCOME; CORP; 3.450% 05/01/2027 DD 04/22/20; No. of SHARES - 535,000	534,171	531,924

GENERAL ELECTRIC CO	FIXED INCOME; CORP; 4.250% 05/01/2040 DD 04/22/20; No. of SHARES - 345,000	344,027	335,544
GENERAL ELECTRIC CO	FIXED INCOME; CORP; 4.350% 05/01/2050 DD 04/22/20; No. of SHARES - 295,000	293,968	288,100
GENERAL ELECTRIC CO	FIXED INCOME; CORP; 4.350% 05/01/2050 DD 04/22/20; No. of SHARES - 500,000	498,250	488,305
GENERAL ELECTRIC CO	FIXED INCOME; CORP; 5.875% 01/14/2038 DD 01/14/08; No. of SHARES - 390,000	481,948	435,271
WESTINGHOUSE AIR BRAKE TECHNOL	FIXED INCOME; CORP; VAR RT 09/15/2021 DD 09/14/18; No. of SHARES - 900,000	900,000	855,684
KENTUCKY UTILITIES CO	FIXED INCOME; CORP; 5.125% 11/01/2040 DD 05/01/11; No. of SHARES - 535,000	637,014	700,010
AIR PRODUCTS AND CHEMICALS INC	FIXED INCOME; CORP; 2.700% 05/15/2040 DD 04/30/20; No. of SHARES - 150,000	149,583	155,679
AIR PRODUCTS AND CHEMICALS INC	FIXED INCOME; CORP; 2.800% 05/15/2050 DD 04/30/20; No. of SHARES - 285,000	282,168	297,982
BRASKEM FINANCE LTD	FIXED INCOME; CORP; 6.450% 02/03/2024 DD 02/03/14; No. of SHARES - 200,000	210,700	209,958
LYB INTERNATIONAL FINANCE III	FIXED INCOME; CORP; 4.200% 10/15/2049 DD 10/10/19; No. of SHARES - 760,000	767,024	807,827
LYB INTERNATIONAL FINANCE III	FIXED INCOME; CORP; 4.200% 05/01/2050 DD 04/20/20; No. of SHARES - 340,000	339,836	359,132
WESTLAKE CHEMICAL CORP	FIXED INCOME; CORP; 4.375% 11/15/2047 DD 11/28/17; No. of SHARES - 590,000	523,082	530,723
BRASKEM NETHERLANDS FINAN REGS	FIXED INCOME; CORP; 4.500% 01/10/2028 DD 10/10/17; No. of SHARES - 200,000	197,990	181,500
CCP CDX SP UL IG 27 5Y	FIXED INCOME; CORP; 2021 DEC 20 ICE; No. of SHARES - -3,700,000	(53,177)	(4,336)
CCP_CDX. BP UL CDX-NAIGS28V1-5	FIXED INCOME; CORP; PAY 100BPS 2022 JUN 20; No. of SHARES - 4,800,000	(75,726)	(5,126)
CCP_CDS. BP UL NEWELL BRANDS I	FIXED INCOME; CORP; PAY 100BPS 2023 JUN 20; No. of SHARES - 700,000	(8,901)	3,502
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; REC 2.75% 2029 DEC 18; No. of SHARES - 38,000,000	4,688,447	7,627,638
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; REC 2.74% 2023 DEC 05; No. of SHARES - 11,000,000	—	949,211
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 3.0% 2023 FEB 04; No. of SHARES - 40,900,000	—	(2,263,848)
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; REC 2.45% 2022 MAY 13; No. of SHARES - 71,700,000	—	3,072,844
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 2.51% 2030 MAY 13; No. of SHARES - 14,700,000	—	(2,701,149)
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 1.5% 2050 JUN 17; No. of SHARES - 28,100,000	2,771,557	(4,359,713)
CCP_IRS._R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 1.5% 2050 JUN 17; No. of SHARES - -28,100,000	(502,133)	—
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 1.25% 2025 JUN 17; No. of SHARES - 5,800,000	(22,823)	(257,687)
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 0.96% 2030 MAR 31; No. of SHARES - 1,800,000	—	(54,604)
BANK 2019-BNK20 BN20 A3	FIXED INCOME; CORP; 3.011% 09/15/2062 DD 09/01/19; No. of SHARES - 137,000	141,106	148,268
BANK 2019-BNK21 BN21 A5	FIXED INCOME; CORP; 2.851% 10/17/2052 DD 10/01/19; No. of SHARES - 221,000	227,624	236,256
GS MORTGAGE SECURITIES GS3 AAB	FIXED INCOME; CORP; 2.777% 10/10/2049 DD 09/01/16; No. of SHARES - 1,200,000	1,235,991	1,241,472
JP MORGAN CHASE COMMER JP4 ASB	FIXED INCOME; CORP; VAR RT 12/15/2049 DD 12/01/16; No. of SHARES - 2,600,000	2,677,990	2,768,506

MORGAN STANLEY BANK OF C30 ASB	FIXED INCOME; CORP; 2.729% 09/15/2049 DD 09/01/16; No. of SHARES - 400,000	411,990	414,212
GLOBAL PAYMENTS INC	FIXED INCOME; CORP; 2.650% 02/15/2025 DD 08/14/19; No. of SHARES - 1,100,000	1,099,725	1,152,228
IHS MARKIT LTD	FIXED INCOME; CORP; 4.250% 05/01/2029 DD 04/08/19; No. of SHARES - 300,000	324,108	328,479
MASSACHUSETTS INSTITUTE OF TECH	FIXED INCOME; CORP; 5.600% 07/01/2111 DD 05/18/11; No. of SHARES - 275,000	393,962	486,918
MASSACHUSETTS INSTITUTE OF TECH	FIXED INCOME; CORP; 2.294% 07/01/2051 DD 05/07/20; No. of SHARES - 930,000	930,000	923,155
PAYPAL HOLDINGS INC	FIXED INCOME; CORP; 2.400% 10/01/2024 DD 09/26/19; No. of SHARES - 1,700,000	1,698,963	1,795,421
PRESIDENT AND FELLOWS OF HARVA	FIXED INCOME; CORP; 2.517% 10/15/2050 DD 04/21/20; No. of SHARES - 715,000	715,000	742,570
RELX CAPITAL INC	FIXED INCOME; CORP; 4.000% 03/18/2029 DD 03/18/19; No. of SHARES - 700,000	691,873	783,258
LELAND STANFORD JUNIOR UNIVERSITY	FIXED INCOME; CORP; 3.647% 05/01/2048 DD 04/11/17; No. of SHARES - 3,090,000	3,268,398	3,908,510
UNIVERSITY OF SOUTHERN CALIFORNIA	FIXED INCOME; CORP; 3.841% 10/01/2047 DD 04/18/17; No. of SHARES - 500,000	536,035	608,100
INDIANA MICHIGAN POWER CO	FIXED INCOME; CORP; 4.250% 08/15/2048 DD 08/08/18; No. of SHARES - 335,000	346,336	401,632
GEORGIA POWER CO	FIXED INCOME; CORP; 4.300% 03/15/2042 DD 03/06/12; No. of SHARES - 285,000	289,734	329,802
DUKE ENERGY FLORIDA LLC	FIXED INCOME; CORP; 6.400% 06/15/2038 DD 06/18/08; No. of SHARES - 170,000	228,652	257,006
DUKE ENERGY FLORIDA LLC	FIXED INCOME; CORP; 6.350% 09/15/2037 DD 09/18/07; No. of SHARES - 700,000	920,129	1,011,752
FLORIDA POWER & LIGHT CO	FIXED INCOME; CORP; 3.150% 10/01/2049 DD 09/13/19; No. of SHARES - 45,000	45,348	50,517
FLORIDA POWER & LIGHT CO	FIXED INCOME; CORP; 3.700% 12/01/2047 DD 11/16/17; No. of SHARES - 1,800,000	1,769,292	2,166,732
FLORIDA POWER & LIGHT CO	FIXED INCOME; CORP; 4.050% 06/01/2042 DD 05/15/12; No. of SHARES - 500,000	517,865	616,560
FLORIDA POWER & LIGHT CO	FIXED INCOME; CORP; 5.950% 02/01/2038 DD 01/16/08; No. of SHARES - 75,000	97,602	112,757
FIRSTENERGY CORP	FIXED INCOME; CORP; 4.850% 07/15/2047 DD 06/21/17; No. of SHARES - 220,000	234,964	277,517
EXELON CORP	FIXED INCOME; CORP; 4.050% 04/15/2030 DD 04/01/20; No. of SHARES - 600,000	598,764	691,272
EXELON CORP	FIXED INCOME; CORP; 4.450% 04/15/2046 DD 04/07/16; No. of SHARES - 215,000	218,444	252,862
EXELON GENERATION CO LLC	FIXED INCOME; CORP; 3.250% 06/01/2025 DD 05/15/20; No. of SHARES - 600,000	598,884	621,114
EXELON GENERATION CO LLC	FIXED INCOME; CORP; 5.600% 06/15/2042 DD 12/15/12; No. of SHARES - 675,000	721,258	766,611
ENTERGY TEXAS INC	FIXED INCOME; CORP; 3.550% 09/30/2049 DD 09/20/19; No. of SHARES - 245,000	274,831	261,295
ENTERGY LOUISIANA LLC	FIXED INCOME; CORP; 2.900% 03/15/2051 DD 03/06/20; No. of SHARES - 125,000	120,679	127,603
ENTERGY LOUISIANA LLC	FIXED INCOME; CORP; 4.200% 09/01/2048 DD 08/14/18; No. of SHARES - 300,000	299,433	377,481
AMAZON.COM INC	FIXED INCOME; CORP; 3.875% 08/22/2037 DD 02/22/18; No. of SHARES - 235,000	244,245	287,877
AMAZON.COM INC	FIXED INCOME; CORP; 4.050% 08/22/2047 DD 02/22/18; No. of SHARES - 3,265,000	3,432,788	4,302,748
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 6.384% 10/23/2035 DD 10/23/16; No. of SHARES - 395,000	473,605	517,308

CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 6.384% 10/23/2035 DD 10/23/16; No. of SHARES - 1,010,000	1,116,585	1,322,736
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 6.484% 10/23/2045 DD 10/23/16; No. of SHARES - 940,000	1,142,147	1,234,981
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 5.375% 04/01/2038 DD 04/17/18; No. of SHARES - 200,000	197,692	238,694
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 5.750% 04/01/2048 DD 04/17/18; No. of SHARES - 300,000	299,118	368,643
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 5.750% 04/01/2048 DD 04/17/18; No. of SHARES - 405,000	417,276	497,668
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; VAR RT 02/01/2024 DD 07/03/18; No. of SHARES - 1,200,000	1,200,000	1,188,876
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 5.125% 07/01/2049 DD 07/10/19; No. of SHARES - 500,000	499,400	581,280
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 4.800% 03/01/2050 DD 10/24/19; No. of SHARES - 990,000	1,007,860	1,102,523
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 4.800% 03/01/2050 DD 10/24/19; No. of SHARES - 925,000	944,113	1,030,136
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 3.700% 04/01/2051 DD 04/17/20; No. of SHARES - 1,780,000	1,766,063	1,706,112
COMCAST CORP	FIXED INCOME; CORP; 5.650% 06/15/2035 DD 06/09/05; No. of SHARES - 155,000	183,652	218,888
COMCAST CORP	FIXED INCOME; CORP; 6.400% 05/15/2038 DD 05/07/08; No. of SHARES - 80,000	102,921	117,061
COMCAST CORP	FIXED INCOME; CORP; 4.250% 01/15/2033 DD 01/14/13; No. of SHARES - 295,000	312,886	356,242
COMCAST CORP	FIXED INCOME; CORP; 4.200% 08/15/2034 DD 08/12/14; No. of SHARES - 630,000	663,157	765,261
COMCAST CORP	FIXED INCOME; CORP; 4.600% 08/15/2045 DD 05/27/15; No. of SHARES - 335,000	356,423	424,482
COMCAST CORP	FIXED INCOME; CORP; 3.969% 11/01/2047 DD 10/19/17; No. of SHARES - 325,000	320,753	384,075
COMCAST CORP	FIXED INCOME; CORP; 3.900% 03/01/2038 DD 02/08/18; No. of SHARES - 175,000	173,598	204,262
COMCAST CORP	FIXED INCOME; CORP; 4.600% 10/15/2038 DD 10/05/18; No. of SHARES - 285,000	307,316	354,457
COMCAST CORP	FIXED INCOME; CORP; 4.700% 10/15/2048 DD 10/05/18; No. of SHARES - 2,015,000	2,196,576	2,626,150
COMCAST CORP	FIXED INCOME; CORP; 4.700% 10/15/2048 DD 10/05/18; No. of SHARES - 4,860,000	5,296,950	6,334,038
COMCAST CORP	FIXED INCOME; CORP; 4.950% 10/15/2058 DD 10/05/18; No. of SHARES - 250,000	280,150	350,243
COMCAST CORP	FIXED INCOME; CORP; 3.400% 04/01/2030 DD 03/27/20; No. of SHARES - 185,000	184,673	209,675
WALT DISNEY CO/THE	FIXED INCOME; CORP; 6.650% 11/15/2037 DD 11/15/19; No. of SHARES - 330,000	450,476	487,040
WALT DISNEY CO/THE	FIXED INCOME; CORP; 5.400% 10/01/2043 DD 10/01/19; No. of SHARES - 15,000	18,341	20,079
WALT DISNEY CO/THE	FIXED INCOME; CORP; 4.950% 10/15/2045 DD 10/15/19; No. of SHARES - 80,000	94,334	102,973
WALT DISNEY CO/THE	FIXED INCOME; CORP; 2.750% 09/01/2049 DD 09/06/19; No. of SHARES - 545,000	527,424	529,141
WALT DISNEY CO/THE	FIXED INCOME; CORP; 3.500% 05/13/2040 DD 05/13/20; No. of SHARES - 360,000	359,640	395,824
WALT DISNEY CO/THE	FIXED INCOME; CORP; 3.600% 01/13/2051 DD 05/13/20; No. of SHARES - 445,000	444,395	493,487
WALT DISNEY CO/THE	FIXED INCOME; CORP; 3.600% 01/13/2051 DD 05/13/20; No. of SHARES - 1,800,000	1,797,552	1,996,128

WALT DISNEY CO/THE	FIXED INCOME; CORP; 3.800% 05/13/2060 DD 05/13/20; No. of SHARES - 105,000	104,850	119,755
DISCOVERY COMMUNICATIONS LLC	FIXED INCOME; CORP; 5.000% 09/20/2037 DD 09/21/17; No. of SHARES - 260,000	255,026	285,095
DISCOVERY COMMUNICATIONS LLC	FIXED INCOME; CORP; 5.200% 09/20/2047 DD 09/21/17; No. of SHARES - 290,000	286,208	322,025
DISCOVERY COMMUNICATIONS LLC	FIXED INCOME; CORP; 4.125% 05/15/2029 DD 05/21/19; No. of SHARES - 1,200,000	1,197,960	1,283,868
FOX CORP	FIXED INCOME; CORP; 5.476% 01/25/2039 DD 01/25/20; No. of SHARES - 200,000	223,368	256,854
FOX CORP	FIXED INCOME; CORP; 5.576% 01/25/2049 DD 01/25/20; No. of SHARES - 230,000	265,876	309,115
FOX CORP	FIXED INCOME; CORP; 3.500% 04/08/2030 DD 04/07/20; No. of SHARES - 475,000	474,045	511,347
NBCUNIVERSAL MEDIA LLC	FIXED INCOME; CORP; 4.450% 01/15/2043 DD 10/05/12; No. of SHARES - 270,000	279,331	333,059
OMNICOM GROUP INC	FIXED INCOME; CORP; 4.200% 06/01/2030 DD 04/01/20; No. of SHARES - 695,000	692,359	753,019
TIME WARNER CABLE LLC	FIXED INCOME; CORP; 6.550% 05/01/2037 DD 04/09/07; No. of SHARES - 95,000	115,481	121,338
TIME WARNER CABLE LLC	FIXED INCOME; CORP; 6.750% 06/15/2039 DD 06/29/09; No. of SHARES - 320,000	353,843	420,176
TIME WARNER CABLE LLC	FIXED INCOME; CORP; 5.875% 11/15/2040 DD 11/15/10; No. of SHARES - 215,000	218,055	264,315
TIME WARNER CABLE LLC	FIXED INCOME; CORP; 4.500% 09/15/2042 DD 08/10/12; No. of SHARES - 305,000	271,341	327,113
VIACOMCBS INC	FIXED INCOME; CORP; 6.875% 04/30/2036 DD 04/12/06; No. of SHARES - 165,000	194,957	201,909
VIACOMCBS INC	FIXED INCOME; CORP; 4.375% 03/15/2043 DD 03/15/13; No. of SHARES - 135,000	121,472	128,926
VIACOMCBS INC	FIXED INCOME; CORP; 5.850% 09/01/2043 DD 08/19/13; No. of SHARES - 1,440,000	1,575,901	1,562,429
VIACOMCBS INC	FIXED INCOME; CORP; 4.950% 05/19/2050 DD 05/19/20; No. of SHARES - 435,000	415,129	447,515
VIACOMCBS INC	FIXED INCOME; CORP; 4.200% 05/19/2032 DD 05/19/20; No. of SHARES - 1,560,000	1,519,362	1,631,042
CDS SP UL RUSSIAN FEDERATION	FIXED INCOME; CORP; R 100BPS 2021 DEC 20; No. of SHARES - 600,000	(16,048)	4,944
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; CORP; R 500BPS 2023 JUN 20; No. of SHARES - 800,000	51,481	(544,695)
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; CORP; R 500BPS 2023 JUN 20; No. of SHARES - 200,000	10,777	(136,174)
CDS SP UL REPUBLIC OF INDONESIA	FIXED INCOME; CORP; R 100BPS 2023 JUN 20; No. of SHARES - 200,000	(2,993)	281
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; CORP; R 500BPS 2023 JUN 20; No. of SHARES - 400,000	17,362	(272,347)
ENTERGY LOUISIANA LLC	FIXED INCOME; CORP; 3.120% 09/01/2027 DD 05/23/17; No. of SHARES - 500,000	499,755	538,010
EMERA US FINANCE LP	FIXED INCOME; CORP; 4.750% 06/15/2046 DD 12/15/16; No. of SHARES - 330,000	338,191	372,610
EDISON INTERNATIONAL	FIXED INCOME; CORP; 5.750% 06/15/2027 DD 06/21/19; No. of SHARES - 500,000	500,000	564,525
DUKE ENERGY FLORIDA LLC	FIXED INCOME; CORP; 3.800% 07/15/2028 DD 06/21/18; No. of SHARES - 1,000,000	998,150	1,159,840
DUKE ENERGY INDIANA LLC	FIXED INCOME; CORP; 3.250% 10/01/2049 DD 09/27/19; No. of SHARES - 982,000	1,100,194	1,067,267
DUKE ENERGY INDIANA LLC	FIXED INCOME; CORP; 3.750% 05/15/2046 DD 05/12/16; No. of SHARES - 440,000	427,737	505,362

DUKE ENERGY PROGRESS LLC	FIXED INCOME; CORP; 3.600% 09/15/2047 DD 09/08/17; No. of SHARES - 2,190,000	2,063,528	2,466,050
DUKE ENERGY OHIO INC	FIXED INCOME; CORP; 4.300% 02/01/2049 DD 01/08/19; No. of SHARES - 180,000	223,871	223,126
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 3.200% 08/15/2049 DD 08/14/19; No. of SHARES - 400,000	398,928	433,020
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 3.200% 08/15/2049 DD 08/14/19; No. of SHARES - 970,000	977,702	1,050,074
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 2.450% 08/15/2029 DD 08/14/19; No. of SHARES - 200,000	199,754	212,968
ALTRIA GROUP INC	FIXED INCOME; CORP; 5.375% 01/31/2044 DD 10/31/13; No. of SHARES - 210,000	242,022	247,139
ALTRIA GROUP INC	FIXED INCOME; CORP; 3.875% 09/16/2046 DD 09/16/16; No. of SHARES - 50,000	41,780	48,700
ALTRIA GROUP INC	FIXED INCOME; CORP; 5.800% 02/14/2039 DD 02/14/19; No. of SHARES - 140,000	159,699	170,610
ALTRIA GROUP INC	FIXED INCOME; CORP; 5.950% 02/14/2049 DD 02/14/19; No. of SHARES - 2,265,000	2,753,695	2,933,084
ALTRIA GROUP INC	FIXED INCOME; CORP; 5.950% 02/14/2049 DD 02/14/19; No. of SHARES - 685,000	766,438	887,048
ALTRIA GROUP INC	FIXED INCOME; CORP; 4.450% 05/06/2050 DD 05/06/20; No. of SHARES - 219,000	217,244	237,278
ALTRIA GROUP INC	FIXED INCOME; CORP; 4.450% 05/06/2050 DD 05/06/20; No. of SHARES - 225,000	227,821	243,779
ANHEUSER-BUSCH COS LLC	FIXED INCOME; CORP; 4.900% 02/01/2046 DD 02/01/19; No. of SHARES - 1,950,000	1,994,090	2,257,632
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 4.439% 10/06/2048 DD 04/06/17; No. of SHARES - 2,618,000	2,549,928	2,862,390
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 5.450% 01/23/2039 DD 01/23/19; No. of SHARES - 1,115,000	1,229,934	1,372,164
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 5.550% 01/23/2049 DD 01/23/19; No. of SHARES - 312,000	348,167	391,388
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 5.800% 01/23/2059 DD 01/23/19; No. of SHARES - 500,000	498,225	657,175
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 4.375% 04/15/2038 DD 04/04/18; No. of SHARES - 570,000	559,102	633,356
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 4.600% 04/15/2048 DD 04/04/18; No. of SHARES - 495,000	527,561	551,331
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 4.600% 04/15/2048 DD 04/04/18; No. of SHARES - 405,000	398,690	451,089
BAT CAPITAL CORP	FIXED INCOME; CORP; 4.390% 08/15/2037 DD 08/15/18; No. of SHARES - 1,560,000	1,417,655	1,647,875
BAT CAPITAL CORP	FIXED INCOME; CORP; 4.540% 08/15/2047 DD 08/15/18; No. of SHARES - 200,000	178,250	212,742
BAT CAPITAL CORP	FIXED INCOME; CORP; 4.700% 04/02/2027 DD 04/02/20; No. of SHARES - 1,160,000	1,160,000	1,297,959
BAT CAPITAL CORP	FIXED INCOME; CORP; 5.282% 04/02/2050 DD 04/02/20; No. of SHARES - 250,000	250,000	293,040
COCA-COLA CO/THE	FIXED INCOME; CORP; 2.500% 06/01/2040 DD 05/01/20; No. of SHARES - 455,000	454,777	459,031
COCA-COLA CO/THE	FIXED INCOME; CORP; 2.600% 06/01/2050 DD 05/01/20; No. of SHARES - 385,000	384,754	380,673
CONSTELLATION BRANDS INC	FIXED INCOME; CORP; 4.500% 05/09/2047 DD 05/09/17; No. of SHARES - 195,000	190,827	219,352
CONSTELLATION BRANDS INC	FIXED INCOME; CORP; 4.100% 02/15/2048 DD 02/07/18; No. of SHARES - 181,000	166,965	192,638
CONSTELLATION BRANDS INC	FIXED INCOME; CORP; 4.650% 11/15/2028 DD 10/29/18; No. of SHARES - 120,000	128,846	139,513

CONSTELLATION BRANDS INC	FIXED INCOME; CORP; 5.250% 11/15/2048 DD 10/29/18; No. of SHARES - 30,000	33,964	37,674
DIAGEO CAPITAL PLC	FIXED INCOME; CORP; 3.875% 04/29/2043 DD 04/29/13; No. of SHARES - 310,000	313,618	372,580
DIAGEO CAPITAL PLC	FIXED INCOME; CORP; 2.125% 04/29/2032 DD 04/29/20; No. of SHARES - 150,000	148,772	151,787
FOMENTO ECONOMICO MEXICANO SAB	FIXED INCOME; CORP; 3.500% 01/16/2050 DD 01/16/20; No. of SHARES - 510,000	502,466	518,170
KEURIG DR PEPPER INC	FIXED INCOME; CORP; 4.985% 05/25/2038 DD 05/25/19; No. of SHARES - 135,000	140,297	170,019
KEURIG DR PEPPER INC	FIXED INCOME; CORP; 5.085% 05/25/2048 DD 05/25/19; No. of SHARES - 125,000	130,191	162,409
PEPSICO INC	FIXED INCOME; CORP; 3.600% 08/13/2042 DD 08/13/12; No. of SHARES - 530,000	521,287	622,156
PEPSICO INC	FIXED INCOME; CORP; 3.500% 03/19/2040 DD 03/19/20; No. of SHARES - 210,000	208,387	251,651
PEPSICO INC	FIXED INCOME; CORP; 3.625% 03/19/2050 DD 03/19/20; No. of SHARES - 500,000	498,076	602,450
PEPSICO INC	FIXED INCOME; CORP; 1.625% 05/01/2030 DD 05/01/20; No. of SHARES - 230,000	229,009	232,597
PHILIP MORRIS INTERNATIONAL	FIXED INCOME; CORP; 3.875% 08/21/2042 DD 08/21/12; No. of SHARES - 35,000	32,998	38,361
PHILIP MORRIS INTERNATIONAL	FIXED INCOME; CORP; 4.125% 03/04/2043 DD 03/04/13; No. of SHARES - 105,000	102,039	118,934
PHILIP MORRIS INTERNATIONAL	FIXED INCOME; CORP; 4.875% 11/15/2043 DD 11/12/13; No. of SHARES - 665,000	720,561	831,849
REYNOLDS AMERICAN INC	FIXED INCOME; CORP; 6.150% 09/15/2043 DD 09/17/13; No. of SHARES - 220,000	234,835	266,185
REYNOLDS AMERICAN INC	FIXED INCOME; CORP; 5.850% 08/15/2045 DD 06/12/15; No. of SHARES - 550,000	567,991	665,511
CAMPBELL SOUP CO	FIXED INCOME; CORP; 4.800% 03/15/2048 DD 03/16/18; No. of SHARES - 183,000	176,993	232,743
CAMPBELL SOUP CO	FIXED INCOME; CORP; 3.125% 04/24/2050 DD 04/24/20; No. of SHARES - 155,000	148,950	153,709
KROGER CO/THE	FIXED INCOME; CORP; 4.650% 01/15/2048 DD 07/24/17; No. of SHARES - 65,000	72,097	80,570
KROGER CO/THE	FIXED INCOME; CORP; 5.400% 01/15/2049 DD 01/14/19; No. of SHARES - 330,000	346,867	443,134
KROGER CO/THE	FIXED INCOME; CORP; 3.950% 01/15/2050 DD 01/13/20; No. of SHARES - 360,000	358,547	404,640
MONDELEZ INTERNATIONAL INC	FIXED INCOME; CORP; 2.750% 04/13/2030 DD 04/13/20; No. of SHARES - 1,485,000	1,558,526	1,564,448
TYSON FOODS INC	FIXED INCOME; CORP; 5.100% 09/28/2048 DD 09/28/18; No. of SHARES - 310,000	334,094	397,008
ABBOTT LABORATORIES	FIXED INCOME; CORP; 4.750% 11/30/2036 DD 11/22/16; No. of SHARES - 230,000	256,126	305,196
ABBOTT LABORATORIES	FIXED INCOME; CORP; 4.900% 11/30/2046 DD 11/22/16; No. of SHARES - 2,415,000	2,760,659	3,403,749
ABBOTT LABORATORIES	FIXED INCOME; CORP; 4.900% 11/30/2046 DD 11/22/16; No. of SHARES - 394,000	450,393	555,311
ABBVIE INC	FIXED INCOME; CORP; 4.500% 05/14/2035 DD 05/14/15; No. of SHARES - 1,245,000	1,227,670	1,470,258
ABBVIE INC	FIXED INCOME; CORP; 4.450% 05/14/2046 DD 05/12/16; No. of SHARES - 170,000	157,010	196,836
ABBVIE INC	FIXED INCOME; CORP; 4.875% 11/14/2048 DD 09/18/18; No. of SHARES - 45,000	44,138	56,035
AMGEN INC	FIXED INCOME; CORP; 4.400% 05/01/2045 DD 05/01/15; No. of SHARES - 230,000	224,793	286,874

AMGEN INC	FIXED INCOME; CORP; 4.663% 06/15/2051 DD 12/15/16; No. of SHARES - 100,000	98,164	130,298
AMGEN INC	FIXED INCOME; CORP; 4.663% 06/15/2051 DD 12/15/16; No. of SHARES - 625,000	631,900	814,363
AMGEN INC	FIXED INCOME; CORP; 3.150% 02/21/2040 DD 02/21/20; No. of SHARES - 1,670,000	1,663,370	1,760,547
AMGEN INC	FIXED INCOME; CORP; 3.150% 02/21/2040 DD 02/21/20; No. of SHARES - 585,000	583,565	616,719
AMGEN INC	FIXED INCOME; CORP; 3.375% 02/21/2050 DD 02/21/20; No. of SHARES - 425,000	427,479	456,569
ANTHEM INC	FIXED INCOME; CORP; 4.375% 12/01/2047 DD 11/21/17; No. of SHARES - 235,000	246,811	285,758
ANTHEM INC	FIXED INCOME; CORP; 4.550% 03/01/2048 DD 03/02/18; No. of SHARES - 190,000	189,105	237,181
ANTHEM INC	FIXED INCOME; CORP; 3.700% 09/15/2049 DD 09/09/19; No. of SHARES - 105,000	107,532	117,095
ANTHEM INC	FIXED INCOME; CORP; 2.875% 09/15/2029 DD 09/09/19; No. of SHARES - 900,000	898,911	971,838
ASCENSION HEALTH	FIXED INCOME; CORP; 3.945% 11/15/2046 DD 05/11/16; No. of SHARES - 900,000	884,115	1,109,151
ASTRAZENECA PLC	FIXED INCOME; CORP; 4.000% 01/17/2029 DD 08/17/18; No. of SHARES - 270,000	281,729	319,626
ASTRAZENECA PLC	FIXED INCOME; CORP; 4.375% 08/17/2048 DD 08/17/18; No. of SHARES - 265,000	274,198	348,446
BAYCARE HEALTH SYSTEM INC	FIXED INCOME; CORP; 3.831% 11/15/2050 DD 04/16/20; No. of SHARES - 90,000	90,000	105,580
BECTON DICKINSON AND CO	FIXED INCOME; CORP; 4.669% 06/06/2047 DD 06/06/17; No. of SHARES -295,000	311,645	367,042
BECTON DICKINSON AND CO	FIXED INCOME; CORP; 2.823% 05/20/2030 DD 05/20/20; No. of SHARES - 300,000	300,000	317,808
BECTON DICKINSON AND CO	FIXED INCOME; CORP; 3.794% 05/20/2050 DD 05/20/20; No. of SHARES - 200,000	203,750	224,828
BIOGEN INC	FIXED INCOME; CORP; 3.150% 05/01/2050 DD 04/30/20; No. of SHARES - 230,000	228,100	224,544
BOSTON SCIENTIFIC CORP	FIXED INCOME; CORP; 4.550% 03/01/2039 DD 02/25/19; No. of SHARES - 410,000	429,184	497,662
BOSTON SCIENTIFIC CORP	FIXED INCOME; CORP; 4.700% 03/01/2049 DD 02/25/19; No. of SHARES - 315,000	333,005	403,978
BOSTON SCIENTIFIC CORP	FIXED INCOME; CORP; 2.650% 06/01/2030 DD 05/18/20; No. of SHARES - 300,000	299,553	310,878
CIGNA CORP	FIXED INCOME; CORP; 4.375% 10/15/2028 DD 04/15/19; No. of SHARES - 105,000	108,702	123,287
CIGNA CORP	FIXED INCOME; CORP; 4.800% 08/15/2038 DD 08/15/19; No. of SHARES - 355,000	357,279	443,995
CIGNA CORP	FIXED INCOME; CORP; 4.900% 12/15/2048 DD 06/15/19; No. of SHARES - 1,110,000	1,111,088	1,456,775
CIGNA CORP	FIXED INCOME; CORP; 3.200% 03/15/2040 DD 03/16/20; No. of SHARES - 135,000	134,802	141,674
CIGNA CORP	FIXED INCOME; CORP; 3.200% 03/15/2040 DD 03/16/20; No. of SHARES - 460,000	459,324	482,742
CIGNA CORP	FIXED INCOME; CORP; 3.400% 03/15/2050 DD 03/16/20; No. of SHARES - 661,000	659,764	710,833
CIGNA CORP	FIXED INCOME; CORP; 3.400% 03/15/2050 DD 03/16/20; No. of SHARES - 405,000	399,963	435,533
CVS HEALTH CORP	FIXED INCOME; CORP; 5.125% 07/20/2045 DD 07/20/15; No. of SHARES - 2,035,000	2,370,469	2,582,903
CVS HEALTH CORP	FIXED INCOME; CORP; 5.125% 07/20/2045 DD 07/20/15; No. of SHARES - 655,000	677,699	831,352

CVS HEALTH CORP	FIXED INCOME; CORP; 4.780% 03/25/2038 DD 03/09/18; No. of SHARES - 540,000	529,519	659,221
CVS HEALTH CORP	FIXED INCOME; CORP; 5.050% 03/25/2048 DD 03/09/18; No. of SHARES - 1,008,000	1,090,888	1,292,851
CVS HEALTH CORP	FIXED INCOME; CORP; 5.050% 03/25/2048 DD 03/09/18; No. of SHARES - 1,460,000	1,720,843	1,872,581
CVS HEALTH CORP	FIXED INCOME; CORP; 3.250% 08/15/2029 DD 08/15/19; No. of SHARES - 670,000	677,509	721,670
CVS HEALTH CORP	FIXED INCOME; CORP; 4.250% 04/01/2050 DD 03/31/20; No. of SHARES - 340,000	339,942	399,310
CHRISTUS HEALTH	FIXED INCOME; CORP; 4.341% 07/01/2028 DD 10/30/18; No. of SHARES - 700,000	700,000	783,363
DH EUROPE FINANCE II SARL	FIXED INCOME; CORP; 3.250% 11/15/2039 DD 11/07/19; No. of SHARES - 230,000	229,561	250,909
DH EUROPE FINANCE II SARL	FIXED INCOME; CORP; 3.250% 11/15/2039 DD 11/07/19; No. of SHARES - 3,265,000	3,433,721	3,561,821
DH EUROPE FINANCE II SARL	FIXED INCOME; CORP; 3.400% 11/15/2049 DD 11/07/19; No. of SHARES - 135,000	134,671	150,250
DUKE UNIVERSITY HEALTH SYSTEM	FIXED INCOME; CORP; 3.920% 06/01/2047 DD 06/06/17; No. of SHARES - 600,000	600,000	737,910
GILEAD SCIENCES INC	FIXED INCOME; CORP; 4.500% 02/01/2045 DD 11/17/14; No. of SHARES - 210,000	213,694	271,150
GILEAD SCIENCES INC	FIXED INCOME; CORP; 4.750% 03/01/2046 DD 09/14/15; No. of SHARES - 145,000	153,232	194,254
GILEAD SCIENCES INC	FIXED INCOME; CORP; 4.600% 09/01/2035 DD 09/14/15; No. of SHARES - 490,000	522,173	645,418
GILEAD SCIENCES INC	FIXED INCOME; CORP; 4.000% 09/01/2036 DD 09/20/16; No. of SHARES - 200,000	199,562	245,158
HCA INC	FIXED INCOME; CORP; 5.250% 06/15/2049 DD 06/12/19; No. of SHARES - 200,000	232,848	235,732
HUMANA INC	FIXED INCOME; CORP; 3.125% 08/15/2029 DD 08/15/19; No. of SHARES - 900,000	899,082	968,274
JOHNSON & JOHNSON	FIXED INCOME; CORP; 3.700% 03/01/2046 DD 03/01/16; No. of SHARES - 65,000	78,389	80,556
KAISER FOUNDATION HOSPITALS	FIXED INCOME; CORP; 4.150% 05/01/2047 DD 05/03/17; No. of SHARES - 210,000	224,120	260,299
KAISER FOUNDATION HOSPITALS	FIXED INCOME; CORP; 3.266% 11/01/2049 DD 10/31/19; No. of SHARES - 235,000	235,000	254,841
ELI LILLY AND CO	FIXED INCOME; CORP; 4.150% 03/15/2059 DD 02/22/19; No. of SHARES - 220,000	224,521	291,826
MCLAREN HEALTH CARE CORP	FIXED INCOME; CORP; 4.386% 05/15/2048 DD 07/25/18; No. of SHARES - 900,000	900,000	1,042,785
MEDTRONIC INC	FIXED INCOME; CORP; 4.375% 03/15/2035 DD 03/15/15; No. of SHARES - 423,000	457,483	539,697
MEDTRONIC INC	FIXED INCOME; CORP; 4.625% 03/15/2045 DD 03/15/15; No. of SHARES - 59,000	66,341	79,484
MERCK & CO INC	FIXED INCOME; CORP; 3.600% 09/15/2042 DD 09/13/12; No. of SHARES - 195,000	190,817	234,129
NORTHWELL HEALTHCARE INC	FIXED INCOME; CORP; 4.260% 11/01/2047 DD 09/26/17; No. of SHARES - 170,000	174,882	178,075
NORTHWELL HEALTHCARE INC	FIXED INCOME; CORP; 3.809% 11/01/2049 DD 09/26/19; No. of SHARES - 1,300,000	1,300,000	1,268,774
NOVARTIS CAPITAL CORP	FIXED INCOME; CORP; 4.400% 05/06/2044 DD 02/21/14; No. of SHARES - 890,000	981,376	1,183,851
NOVARTIS CAPITAL CORP	FIXED INCOME; CORP; 2.200% 08/14/2030 DD 02/14/20; No. of SHARES - 560,000	559,266	591,931
NOVARTIS CAPITAL CORP	FIXED INCOME; CORP; 2.750% 08/14/2050 DD 02/14/20; No. of SHARES - 1,685,000	1,646,447	1,764,010

NOVARTIS CAPITAL CORP	FIXED INCOME; CORP; 2.750% 08/14/2050 DD 02/14/20; No. of SHARES - 156,000	159,054	163,315
PFIZER INC	FIXED INCOME; CORP; 4.000% 12/15/2036 DD 11/21/16; No. of SHARES - 395,000	408,268	474,067
PFIZER INC	FIXED INCOME; CORP; 4.000% 03/15/2049 DD 03/11/19; No. of SHARES - 634,000	651,834	802,847
PFIZER INC	FIXED INCOME; CORP; 2.550% 05/28/2040 DD 05/28/20; No. of SHARES - 120,000	119,255	121,578
PFIZER INC	FIXED INCOME; CORP; 2.700% 05/28/2050 DD 05/28/20; No. of SHARES - 990,000	981,932	1,002,563
PFIZER INC	FIXED INCOME; CORP; 2.700% 05/28/2050 DD 05/28/20; No. of SHARES - 215,000	213,248	217,728
RUSH OBLIGATED GROUP	FIXED INCOME; CORP; 3.922% 11/15/2029 DD 04/09/20; No. of SHARES - 400,000	400,000	440,800
STRYKER CORP	FIXED INCOME; CORP; 2.900% 06/15/2050 DD 06/04/20; No. of SHARES - 130,000	129,611	130,796
THERMO FISHER SCIENTIFIC INC	FIXED INCOME; CORP; 2.600% 10/01/2029 DD 10/08/19; No. of SHARES - 375,000	373,755	403,733
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 3.950% 10/15/2042 DD 10/22/12; No. of SHARES - 205,000	203,374	245,422
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 4.625% 07/15/2035 DD 07/23/15; No. of SHARES - 270,000	296,225	353,141
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 3.750% 10/15/2047 DD 10/25/17; No. of SHARES - 160,000	153,053	189,621
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 4.250% 06/15/2048 DD 06/19/18; No. of SHARES - 570,000	593,490	725,690
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 4.450% 12/15/2048 DD 12/17/18; No. of SHARES - 30,000	32,117	39,380
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 3.700% 08/15/2049 DD 07/25/19; No. of SHARES - 40,000	39,862	47,275
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 2.750% 05/15/2040 DD 05/18/20; No. of SHARES - 215,000	208,731	224,095
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 2.900% 05/15/2050 DD 05/18/20; No. of SHARES - 500,000	485,905	520,745
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 2.900% 05/15/2050 DD 05/18/20; No. of SHARES - 1,250,000	1,214,763	1,301,863
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 2.900% 05/15/2050 DD 05/18/20; No. of SHARES - 180,000	174,926	187,468
ANTHEM INC	FIXED INCOME; CORP; 5.100% 01/15/2044 DD 08/06/13; No. of SHARES - 240,000	256,889	310,567
ZOETIS INC	FIXED INCOME; CORP; 4.700% 02/01/2043 DD 08/01/13; No. of SHARES - 600,000	599,196	769,050
ZOETIS INC	FIXED INCOME; CORP; 3.900% 08/20/2028 DD 08/20/18; No. of SHARES - 800,000	798,488	911,568
PROCTER & GAMBLE CO/THE	FIXED INCOME; CORP; 3.550% 03/25/2040 DD 03/25/20; No. of SHARES - 155,000	154,230	187,218
PROCTER & GAMBLE CO/THE	FIXED INCOME; CORP; 3.550% 03/25/2040 DD 03/25/20; No. of SHARES - 540,000	537,316	652,244
PROCTER & GAMBLE CO/THE	FIXED INCOME; CORP; 3.600% 03/25/2050 DD 03/25/20; No. of SHARES - 90,000	89,428	113,026
PROCTER & GAMBLE CO/THE	FIXED INCOME; CORP; 3.600% 03/25/2050 DD 03/25/20; No. of SHARES - 535,000	531,597	671,874
UNILEVER CAPITAL CORP	FIXED INCOME; CORP; 5.900% 11/15/2032 DD 11/12/02; No. of SHARES - 311,000	392,438	447,451
CATERPILLAR INC	FIXED INCOME; CORP; 4.750% 05/15/2064 DD 05/08/14; No. of SHARES - 655,000	736,181	864,521
CATERPILLAR INC	FIXED INCOME; CORP; 3.250% 04/09/2050 DD 04/09/20; No. of SHARES - 360,000	358,564	394,610

	EMERSON ELECTRIC CO	FIXED INCOME; CORP; 2.750% 10/15/2050 DD 04/29/20; No. of SHARES - 205,000	204,750	202,489
	NIKE INC	FIXED INCOME; CORP; 3.250% 03/27/2040 DD 03/27/20; No. of SHARES - 135,000	134,155	151,232
	NIKE INC	FIXED INCOME; CORP; 3.375% 03/27/2050 DD 03/27/20; No. of SHARES - 75,000	74,747	86,931
	AFLAC INC	FIXED INCOME; CORP; 4.750% 01/15/2049 DD 10/31/18; No. of SHARES - 700,000	695,380	875,630
	ALLSTATE CORP/THE	FIXED INCOME; CORP; 3.850% 08/10/2049 DD 06/10/19; No. of SHARES - 2,110,000	2,390,918	2,486,994
	AMERICAN FINANCIAL GROUP INC/O	FIXED INCOME; CORP; 4.500% 06/15/2047 DD 06/02/17; No. of SHARES - 1,000,000	994,600	985,250
	AMERICAN INTERNATIONAL GROUP I	FIXED INCOME; CORP; 4.500% 07/16/2044 DD 07/16/14; No. of SHARES - 675,000	685,857	755,021
*	AON CORP	FIXED INCOME; CORP; 2.800% 05/15/2030 DD 05/15/20; No. of SHARES - 300,000	299,895	315,942
	ARCH CAPITAL GROUP US INC	FIXED INCOME; CORP; 5.144% 11/01/2043 DD 12/13/13; No. of SHARES - 660,000	862,250	793,214
	ARCH CAPITAL FINANCE LLC	FIXED INCOME; CORP; 5.031% 12/15/2046 DD 12/08/16; No. of SHARES - 2,905,000	3,294,009	3,579,105
	EQUITABLE HOLDINGS INC	FIXED INCOME; CORP; 4.350% 04/20/2028 DD 10/20/18; No. of SHARES - 300,000	299,445	322,065
	EQUITABLE HOLDINGS INC	FIXED INCOME; CORP; 5.000% 04/20/2048 DD 10/20/18; No. of SHARES - 800,000	797,656	824,584
	BERKSHIRE HATHAWAY FINANCE CORP	FIXED INCOME; CORP; 4.200% 08/15/2048 DD 08/15/18; No. of SHARES - 900,000	895,437	1,122,624
	BERKSHIRE HATHAWAY FINANCE CORP	FIXED INCOME; CORP; 4.200% 08/15/2048 DD 08/15/18; No. of SHARES - 730,000	757,952	910,573
	BERKSHIRE HATHAWAY FINANCE CORP	FIXED INCOME; CORP; 4.250% 01/15/2049 DD 01/11/19; No. of SHARES - 1,495,000	1,891,175	1,876,300
	LOEWS CORP	FIXED INCOME; CORP; 3.200% 05/15/2030 DD 05/08/20; No. of SHARES - 100,000	99,889	105,946
	METLIFE INC	FIXED INCOME; CORP; 5.700% 06/15/2035 DD 06/23/05; No. of SHARES - 450,000	556,074	623,241
	METLIFE INC	FIXED INCOME; CORP; 4.050% 03/01/2045 DD 03/05/15; No. of SHARES - 90,000	91,001	103,114
	PRINCIPAL FINANCIAL GROUP INC	FIXED INCOME; CORP; 4.625% 09/15/2042 DD 09/10/12; No. of SHARES - 1,385,000	1,455,123	1,659,230
	PROGRESSIVE CORP/THE	FIXED INCOME; CORP; 3.950% 03/26/2050 DD 03/26/20; No. of SHARES - 775,000	768,397	974,028
	PRUDENTIAL FINANCIAL INC	FIXED INCOME; CORP; 6.625% 06/21/2040 DD 06/21/10; No. of SHARES - 285,000	378,015	415,855
	TRAVELERS COS INC/THE	FIXED INCOME; CORP; 4.000% 05/30/2047 DD 05/22/17; No. of SHARES - 915,000	939,476	1,119,567
	TRAVELERS COS INC/THE	FIXED INCOME; CORP; 4.100% 03/04/2049 DD 03/04/19; No. of SHARES - 465,000	484,674	578,409
	RESOLUTION FDG CORP STRIP	FIXED INCOME; CORP; 0.000% 04/15/2029 DD 04/15/90; No. of SHARES - 2,700,000	1,677,294	2,422,251
	HILTON DOMESTIC OPERATING CO I	FIXED INCOME; CORP; 4.875% 01/15/2030 DD 06/20/19; No. of SHARES - 900,000	900,000	895,500
	SANDS CHINA LTD	FIXED INCOME; CORP; 5.400% 08/08/2028 DD 08/09/18; No. of SHARES - 200,000	199,450	213,016
	VULCAN MATERIALS CO	FIXED INCOME; CORP; 4.500% 06/15/2047 DD 06/15/17; No. of SHARES - 370,000	349,827	392,148
	BHP BILLITON FINANCE USA LTD	FIXED INCOME; CORP; 5.000% 09/30/2043 DD 09/30/13; No. of SHARES - 135,000	157,629	187,605
	BARRICK GOLD CORP	FIXED INCOME; CORP; 5.250% 04/01/2042 DD 04/03/12; No. of SHARES - 80,000	104,430	104,656

NEWMONT CORP	FIXED INCOME; CORP; 6.250% 10/01/2039 DD 09/18/09; No. of SHARES - 1,135,000	1,349,878	1,580,817
NEWMONT CORP	FIXED INCOME; CORP; 2.250% 10/01/2030 DD 03/18/20; No. of SHARES - 1,015,000	1,005,946	1,006,230
NEWMONT CORP	FIXED INCOME; CORP; 2.250% 10/01/2030 DD 03/18/20; No. of SHARES - 185,000	183,350	183,402
BARRICK GOLD CORP	FIXED INCOME; CORP; 6.450% 10/15/2035 DD 04/15/04; No. of SHARES - 200,000	236,234	272,668
RIO TINTO FINANCE USA PLC	FIXED INCOME; CORP; 4.125% 08/21/2042 DD 08/21/12; No. of SHARES - 210,000	218,287	256,794
SOUTHERN COPPER CORP	FIXED INCOME; CORP; 5.875% 04/23/2045 DD 04/23/15; No. of SHARES - 125,000	139,226	150,928
NEW YORK ST POWER AUTH REVENUE	FIXED INCOME; CORP; 4.000% 11/15/2060 DD 05/12/20; No. of SHARES - 500,000	527,005	575,440
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 4.250% 12/15/2041 DD 12/08/11; No. of SHARES - 120,000	124,985	146,132
DUKE ENERGY CORP	FIXED INCOME; CORP; 3.400% 06/15/2029 DD 06/07/19; No. of SHARES - 1,500,000	1,497,720	1,655,235
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 6.000% 12/01/2028 DD 12/04/98; No. of SHARES - 120,000	144,184	154,174
DUKE ENERGY INDIANA LLC	FIXED INCOME; CORP; 6.450% 04/01/2039 DD 03/23/09; No. of SHARES - 100,000	135,002	147,471
DUKE ENERGY INDIANA LLC	FIXED INCOME; CORP; 6.350% 08/15/2038 DD 08/21/08; No. of SHARES - 665000	886,192	991,488
DOMINION ENERGY INC	FIXED INCOME; CORP; 3.375% 04/01/2030 DD 04/03/20; No. of SHARES - 240,000	237,388	263,374
DTE ELECTRIC CO	FIXED INCOME; CORP; 2.625% 03/01/2031 DD 04/06/20; No. of SHARES - 400,000	399,328	429,024
CONSUMERS ENERGY CO	FIXED INCOME; CORP; 2.500% 05/01/2060 DD 05/13/20; No. of SHARES - 205,000	203,105	192,913
CONSUMERS ENERGY CO	FIXED INCOME; CORP; 3.500% 08/01/2051 DD 03/26/20; No. of SHARES - 165,000	164,350	195,187
CONSUMERS ENERGY CO	FIXED INCOME; CORP; 4.050% 05/15/2048 DD 05/14/18; No. of SHARES - 1,165,000	1,219,720	1,449,377
CONSOLIDATED EDISON CO OF NEW YORK	FIXED INCOME; CORP; 4.125% 05/15/2049 DD 05/09/19; No. of SHARES - 1,150,000	1,162,915	1,368,891
CONSOLIDATED EDISON CO OF NEW YORK	FIXED INCOME; CORP; 4.500% 05/15/2058 DD 05/10/18; No. of SHARES - 1,600,000	1,592,624	1,989,376
CONSOLIDATED EDISON CO OF NEW YORK	FIXED INCOME; CORP; 4.300% 12/01/2056 DD 11/16/16; No. of SHARES - 240,000	243,528	287,798
COMMONWEALTH EDISON CO	FIXED INCOME; CORP; 3.000% 03/01/2050 DD 02/25/20; No. of SHARES - 580,000	579,758	607,422
COMMONWEALTH EDISON CO	FIXED INCOME; CORP; 3.650% 06/15/2046 DD 06/27/16; No. of SHARES - 25,000	26,735	28,330
COMMONWEALTH EDISON CO	FIXED INCOME; CORP; 3.650% 06/15/2046 DD 06/27/16; No. of SHARES - 3,245,000	3,109,846	3,677,234
COMMONWEALTH EDISON CO	FIXED INCOME; CORP; 3.800% 10/01/2042 DD 10/01/12; No. of SHARES - 200,000	218,836	230,860
DUKE ENERGY PROGRESS LLC	FIXED INCOME; CORP; 4.100% 05/15/2042 DD 05/18/12; No. of SHARES - 230,000	235,538	275,724
BLACK HILLS CORP	FIXED INCOME; CORP; 3.050% 10/15/2029 DD 10/03/19; No. of SHARES - 600,000	597,936	609,846
BERKSHIRE HATHAWAY ENERGY CO	FIXED INCOME; CORP; 4.450% 01/15/2049 DD 07/25/18; No. of SHARES - 240,000	254,815	303,379
AVANGRID INC	FIXED INCOME; CORP; 3.800% 06/01/2029 DD 05/16/19; No. of SHARES - 1,200,000	1,198,296	1,332,540
ARIZONA PUBLIC SERVICE CO	FIXED INCOME; CORP; 3.500% 12/01/2049 DD 11/20/19; No. of SHARES - 560,000	559,686	591,651

AMERICAN ELECTRIC POWER CO INC	FIXED INCOME; CORP; 3.250% 03/01/2050 DD 03/05/20; No. of SHARES - 105,000	104,820	103,454
AMEREN ILLINOIS CO	FIXED INCOME; CORP; 3.250% 03/15/2050 DD 11/26/19; No. of SHARES - 555,000	552,258	592,801
AMEREN ILLINOIS CO	FIXED INCOME; CORP; 3.700% 12/01/2047 DD 11/28/17; No. of SHARES - 240,000	241,437	273,468
ALABAMA POWER CO	FIXED INCOME; CORP; 3.450% 10/01/2049 DD 09/17/19; No. of SHARES - 900,000	896,985	983,808
ALABAMA POWER CO	FIXED INCOME; CORP; 3.750% 03/01/2045 DD 03/11/15; No. of SHARES - 135,000	131,197	149,449
BAKER HUGHES A GE CO LLC	FIXED INCOME; CORP; 3.138% 11/07/2029 DD 11/07/19; No. of SHARES - 100,000	100,000	100,642
BP CAPITAL MARKETS AMERICA INC	FIXED INCOME; CORP; 3.000% 02/24/2050 DD 02/24/20; No. of SHARES - 1,360,000	1,314,162	1,329,495
CHENIERE CORPUS CHRISTI HOLDING	FIXED INCOME; CORP; 7.000% 06/30/2024 DD 12/31/16; No. of SHARES - 100,000	113,431	111,185
CHEVRON CORP	FIXED INCOME; CORP; 3.078% 05/11/2050 DD 05/11/20; No. of SHARES - 965,000	965,000	1,044,699
COLUMBIA PIPELINE GROUP INC	FIXED INCOME; CORP; 5.800% 06/01/2045 DD 12/01/15; No. of SHARES - 435,000	489,950	532,775
CONCHO RESOURCES INC	FIXED INCOME; CORP; 4.300% 08/15/2028 DD 07/02/18; No. of SHARES - 1,645,000	1,785,368	1,785,944
CONOCOPHILLIPS CO	FIXED INCOME; CORP; 6.950% 04/15/2029 DD 04/20/99; No. of SHARES - 950,000	1,219,876	1,305,956
CONTINENTAL RESOURCES INC/ OK	FIXED INCOME; CORP; 3.800% 06/01/2024 DD 05/19/14; No. of SHARES - 200,000	195,132	174,000
EOG RESOURCES INC	FIXED INCOME; CORP; 4.950% 04/15/2050 DD 04/14/20; No. of SHARES - 220,000	228,921	286,669
KINDER MORGAN ENERGY PARTNERS	FIXED INCOME; CORP; 4.700% 11/01/2042 DD 11/08/12; No. of SHARES - 100,000	96,459	108,252
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.150% 02/01/2043 DD 01/22/13; No. of SHARES - 40,000	38,265	37,844
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.950% 10/01/2043 DD 09/19/13; No. of SHARES - 340,000	357,707	348,225
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.150% 03/15/2045 DD 03/12/15; No. of SHARES - 270,000	261,290	259,511
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 6.125% 12/15/2045 DD 06/23/15; No. of SHARES - 210,000	226,407	220,061
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.300% 04/15/2047 DD 01/17/17; No. of SHARES - 170,000	167,443	166,568
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 6.000% 06/15/2048 DD 06/08/18; No. of SHARES - 240,000	257,254	253,954
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 6.000% 06/15/2048 DD 06/08/18; No. of SHARES - 710,000	761,042	751,279
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.250% 04/15/2029 DD 01/15/19; No. of SHARES - 90,000	100,628	96,136
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.500% 06/01/2027 DD 12/01/18; No. of SHARES - 870,000	945,899	941,462
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 3.750% 05/15/2030 DD 01/22/20; No. of SHARES - 45,000	44,929	44,336
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 3.750% 05/15/2030 DD 01/22/20; No. of SHARES - 500,000	499,215	492,620
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.000% 05/15/2050 DD 01/22/20; No. of SHARES - 285,000	270,764	272,349
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.000% 05/15/2050 DD 01/22/20; No. of SHARES - 290,000	289,751	277,127
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 6.250% 04/15/2049 DD 01/15/19; No. of SHARES - 200,000	199,700	217,236

ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 6.875% 03/01/2033 DD 02/14/03; No. of SHARES - 260,000	331,828	326,284
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.850% 03/15/2044 DD 03/18/13; No. of SHARES - 70,000	74,030	79,946
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.950% 10/15/2054 DD 10/14/14; No. of SHARES - 1,520,000	1,588,157	1,694,025
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.950% 10/15/2054 DD 10/14/14; No. of SHARES - 490,000	511,972	546,100
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.900% 05/15/2046 DD 05/07/15; No. of SHARES - 620,000	657,560	717,910
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.800% 02/01/2049 DD 10/11/18; No. of SHARES - 210,000	222,002	246,217
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.800% 02/01/2049 DD 10/11/18; No. of SHARES - 620,000	748,290	726,925
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.200% 01/31/2050 DD 07/08/19; No. of SHARES - 100,000	99,792	107,869
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.200% 01/31/2050 DD 07/08/19; No. of SHARES - 545,000	595,456	587,886
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 3.700% 01/31/2051 DD 01/15/20; No. of SHARES - 65,000	66,728	66,211
EQUINOR ASA	FIXED INCOME; CORP; 3.625% 04/06/2040 DD 04/06/20; No. of SHARES - 390,000	387,999	438,161
EQUINOR ASA	FIXED INCOME; CORP; 3.700% 04/06/2050 DD 04/06/20; No. of SHARES - 35,000	35,770	39,398
EQUINOR ASA	FIXED INCOME; CORP; 2.375% 05/22/2030 DD 05/22/20; No. of SHARES - 695,000	691,011	717,052
EXXON MOBIL CORP	FIXED INCOME; CORP; 4.227% 03/19/2040 DD 03/19/20; No. of SHARES - 950,000	995,658	1,156,255
EXXON MOBIL CORP	FIXED INCOME; CORP; 4.327% 03/19/2050 DD 03/19/20; No. of SHARES - 255,000	255,000	318,396
EXXON MOBIL CORP	FIXED INCOME; CORP; 3.452% 04/15/2051 DD 04/15/20; No. of SHARES - 1,275,000	1,275,000	1,404,566
EXXON MOBIL CORP	FIXED INCOME; CORP; 3.452% 04/15/2051 DD 04/15/20; No. of SHARES - 190,000	190,000	209,308
KINDER MORGAN INC	FIXED INCOME; CORP; 5.550% 06/01/2045 DD 11/26/14; No. of SHARES - 30,000	34,464	36,861
KINDER MORGAN INC	FIXED INCOME; CORP; 5.550% 06/01/2045 DD 11/26/14; No. of SHARES - 955,000	1,174,908	1,173,418
KINDER MORGAN INC	FIXED INCOME; CORP; 4.300% 03/01/2028 DD 03/01/18; No. of SHARES - 1,285,000	1,333,496	1,434,484
KINDER MORGAN INC	FIXED INCOME; CORP; 5.200% 03/01/2048 DD 03/01/18; No. of SHARES - 95,000	103,398	114,563
MPLX LP	FIXED INCOME; CORP; 4.875% 06/01/2025 DD 06/01/16; No. of SHARES - 75,000	68,481	79,814
MPLX LP	FIXED INCOME; CORP; 4.125% 03/01/2027 DD 02/10/17; No. of SHARES - 435,000	463,066	449,464
MPLX LP	FIXED INCOME; CORP; 5.200% 03/01/2047 DD 02/10/17; No. of SHARES - 260,000	263,936	278,951
MPLX LP	FIXED INCOME; CORP; 4.500% 04/15/2038 DD 02/08/18; No. of SHARES - 390,000	369,186	386,346
MPLX LP	FIXED INCOME; CORP; 4.800% 02/15/2029 DD 11/15/18; No. of SHARES - 255,000	284,162	278,149
MPLX LP	FIXED INCOME; CORP; 5.500% 02/15/2049 DD 11/15/18; No. of SHARES - 565,000	603,593	643,993
MPLX LP	FIXED INCOME; CORP; 5.500% 02/15/2049 DD 11/15/18; No. of SHARES - 1,045,000	1,107,136	1,191,101
MPLX LP	FIXED INCOME; CORP; 5.200% 12/01/2047 DD 12/01/19; No. of SHARES - 145,000	145,442	156,999

MARATHON PETROLEUM CORP	FIXED INCOME; CORP; 6.500% 03/01/2041 DD 09/01/11; No. of SHARES - 1,500,000	1,799,220	1,761,600
NOBLE ENERGY INC	FIXED INCOME; CORP; 5.250% 11/15/2043 DD 11/08/13; No. of SHARES - 125,000	103,577	110,780
NOBLE ENERGY INC	FIXED INCOME; CORP; 5.050% 11/15/2044 DD 11/07/14; No. of SHARES - 225,000	182,856	194,150
NOBLE ENERGY INC	FIXED INCOME; CORP; 4.950% 08/15/2047 DD 08/15/17; No. of SHARES - 105,000	84,345	90,598
NOBLE ENERGY INC	FIXED INCOME; CORP; 4.200% 10/15/2049 DD 10/01/19; No. of SHARES - 65,000	52,001	52,776
ONEOK INC	FIXED INCOME; CORP; 5.200% 07/15/2048 DD 07/02/18; No. of SHARES - 700,000	694,062	705,719
PHILLIPS 66	FIXED INCOME; CORP; 4.650% 11/15/2034 DD 11/17/14; No. of SHARES - 230,000	244,343	279,296
PHILLIPS 66	FIXED INCOME; CORP; 4.875% 11/15/2044 DD 11/17/14; No. of SHARES - 235,000	253,382	292,483
PHILLIPS 66	FIXED INCOME; CORP; 3.850% 04/09/2025 DD 04/09/20; No. of SHARES - 165,000	164,911	181,525
SABINE PASS LIQUEFACTION LLC	FIXED INCOME; CORP; 4.200% 03/15/2028 DD 03/06/17; No. of SHARES - 100,000	102,554	105,351
SHELL INTERNATIONAL FINANCE BV	FIXED INCOME; CORP; 3.625% 08/21/2042 DD 08/21/12; No. of SHARES - 80,000	77,453	89,552
SHELL INTERNATIONAL FINANCE BV	FIXED INCOME; CORP; 4.125% 05/11/2035 DD 05/11/15; No. of SHARES - 650,000	693,095	797,589
SHELL INTERNATIONAL FINANCE BV	FIXED INCOME; CORP; 4.000% 05/10/2046 DD 05/10/16; No. of SHARES - 540,000	555,676	628,846
SHELL INTERNATIONAL FINANCE BV	FIXED INCOME; CORP; 3.750% 09/12/2046 DD 09/12/16; No. of SHARES - 160,000	157,643	181,787
SUNOCO LOGISTICS PARTNERS OPER	FIXED INCOME; CORP; 5.350% 05/15/2045 DD 11/17/14; No. of SHARES - 980,000	973,885	964,937
SUNOCO LOGISTICS PARTNERS OPER	FIXED INCOME; CORP; 5.400% 10/01/2047 DD 09/21/17; No. of SHARES - 485,000	484,011	481,867
SUNOCO LOGISTICS PARTNERS OPER	FIXED INCOME; CORP; 5.400% 10/01/2047 DD 09/21/17; No. of SHARES - 1,790,000	1,786,348	1,778,437
TENNESSEE GAS PIPELINE CO LLC	FIXED INCOME; CORP; 7.000% 10/15/2028 DD 10/09/98; No. of SHARES - 165,000	201,109	203,447
TOTAL CAPITAL INTERNATIONAL SA	FIXED INCOME; CORP; 3.127% 05/29/2050 DD 05/29/20; No. of SHARES - 660,000	660,000	667,544
TRANSCANADA PIPELINES LTD	FIXED INCOME; CORP; 4.625% 03/01/2034 DD 02/28/14; No. of SHARES - 815,000	932,137	938,261
TRANSCANADA PIPELINES LTD	FIXED INCOME; CORP; 4.750% 05/15/2038 DD 05/07/18; No. of SHARES - 305,000	315,138	355,600
TRANSCONTINENTAL GAS PIPE LINE	FIXED INCOME; CORP; 5.400% 08/15/2041 DD 02/15/12; No. of SHARES - 335,000	364,500	408,502
TRANSCONTINENTAL GAS PIPE LINE	FIXED INCOME; CORP; 4.450% 08/01/2042 DD 07/13/12; No. of SHARES - 465,000	457,225	520,344
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 7.500% 01/15/2031 DD 01/17/01; No. of SHARES - 70,000	88,450	85,506
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 5.750% 06/24/2044 DD 06/24/14; No. of SHARES - 515,000	601,453	600,469
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 5.750% 06/24/2044 DD 06/24/14; No. of SHARES - 100,000	108,937	116,596
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 5.100% 09/15/2045 DD 03/03/15; No. of SHARES - 220,000	227,645	246,033
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 6.300% 04/15/2040 DD 02/09/10; No. of SHARES - 205,000	234,799	247,355
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 4.900% 01/15/2045 DD 06/27/14; No. of SHARES - 190,000	189,324	205,555

NEWELL BRANDS INC	FIXED INCOME; CORP; VAR RT 04/01/2023 DD 03/30/16; No. of SHARES - 700,000	720,650	719,250
ALABAMA POWER CO	FIXED INCOME; CORP; 4.150% 08/15/2044 DD 08/26/14; No. of SHARES - 1,630,000	1,684,344	1,924,166
AEP TRANSMISSION CO LLC	FIXED INCOME; CORP; 3.650% 04/01/2050 DD 04/01/20; No. of SHARES - 165,000	164,941	189,514
ARBOR REALTY COMMER FL1 A 144A	FIXED INCOME; CORP; VAR RT 05/15/2037 DD 06/05/19; No. of SHARES - 1,200,000	1,200,000	1,152,011
LOANCORE 2019-CRE2 CRE2 A 144A	FIXED INCOME; CORP; VAR RT 05/15/2036 DD 05/30/19; No. of SHARES - 1,100,000	1,100,000	1,061,760
CROWN POINT CLO 5 LT 5A A 144A	FIXED INCOME; CORP; VAR RT 07/17/2028 DD 07/17/18; No. of SHARES - 299,775	299,775	293,618
GOLDENTTREE LOAN MA 1A AR 144A	FIXED INCOME; CORP; VAR RT 04/20/2029 DD 02/19/20; No. of SHARES - 1,400,000	1,400,000	1,379,349
PALMER SQUARE LOAN 4A A1 144A	FIXED INCOME; CORP; VAR RT 11/15/2026 DD 10/31/18; No. of SHARES - 561,655	561,655	555,087
PALMER SQUARE CLO 2 3A A1 144A	FIXED INCOME; CORP; VAR RT 08/15/2026 DD 07/25/18; No. of SHARES - 200,654	200,654	198,541
TRALEE CLO V LTD 5A A1 144A	FIXED INCOME; CORP; VAR RT 10/20/2028 DD 10/31/18; No. of SHARES - 900,000	900,000	886,828
ECMC GROUP STUDENT L 1A A 144A	FIXED INCOME; CORP; VAR RT 02/27/2068 DD 03/08/18; No. of SHARES - 270,921	270,921	260,973
SLM STUDENT LOAN T 10 A7B 144A	FIXED INCOME; CORP; VAR RT 10/25/2029 DD 04/25/18; No. of SHARES - 300,000	300,000	293,274
START IRELAND 1 A 144A	FIXED INCOME; CORP; 4.089% 03/15/2044 DD 04/18/19; No. of SHARES - 395,879	395,862	339,866
TOWD POINT MORTGAG HY2 A1 144A	FIXED INCOME; CORP; VAR RT 05/25/2058 DD 04/30/19; No. of SHARES - 743,360	749,051	731,221
BANK OF IRELAND GROUP PLC 144A	FIXED INCOME; CORP; 4.500% 11/25/2023 DD 09/25/18; No. of SHARES - 800,000	798,856	823,816
BNP PARIBAS SA 144A	FIXED INCOME; CORP; VAR RT 01/10/2025 DD 01/10/19; No. of SHARES - 1,800,000	1,951,470	1,967,742
COMMONWEALTH BANK OF AUST 144A	FIXED INCOME; CORP; 3.743% 09/12/2039 DD 09/12/19; No. of SHARES - 280,000	280,000	284,206
CREDIT SUISSE GROUP AG 144A	FIXED INCOME; CORP; VAR RT 06/12/2024 DD 06/12/18; No. of SHARES - 250,000	250,000	245,938
CREDIT SUISSE GROUP AG 144A	FIXED INCOME; CORP; VAR RT 09/11/2025 DD 09/11/19; No. of SHARES - 400,000	400,000	409,292
CREDIT SUISSE GROUP AG 144A	FIXED INCOME; CORP; VAR RT 04/01/2031 DD 04/01/20; No. of SHARES - 265,000	265,000	293,779
ICICI BANK LTD/HONG KONG 144A	FIXED INCOME; CORP; 5.750% 11/16/2020 DD 11/16/10; No. of SHARES - 300,000	312,210	304,575
INTESA SANPAOLO SPA 144A	FIXED INCOME; CORP; 4.000% 09/23/2029 DD 09/23/19; No. of SHARES - 800,000	794,592	810,000
UBS AG/LONDON 144A	FIXED INCOME; CORP; 4.500% 06/26/2048 DD 06/26/18; No. of SHARES - 260,000	289,539	349,726
UBS GROUP AG 144A	FIXED INCOME; CORP; 4.253% 03/23/2028 DD 03/23/17; No. of SHARES - 285,000	294,901	318,992
UNICREDIT SPA 144A	FIXED INCOME; CORP; VAR RT 01/14/2022 DD 01/15/19; No. of SHARES - 1,200,000	1,200,000	1,200,624
BAMLL COMMERCIAL MO AHT A 144A	FIXED INCOME; CORP; VAR RT 03/15/2034 DD 04/05/19; No. of SHARES - 1,100,000	1,100,000	995,324
BBCMS TRUST 2015- SRCH A2 144A	FIXED INCOME; CORP; 4.197% 08/10/2035 DD 12/06/15; No. of SHARES - 700,000	720,947	769,097
BBCMS TRUST 2015-S SRCH D 144A	FIXED INCOME; CORP; VAR RT 08/10/2035 DD 12/06/15; No. of SHARES - 500,000	503,075	518,910
BX TRUST 2019-OC11 OC11 A 144A	FIXED INCOME; CORP; 3.202% 12/09/2041 DD 12/01/19; No. of SHARES - 195,000	200,840	195,684

BANCORP COMMERCIAL CRE6 A 144A	FIXED INCOME; CORP; VAR RT 09/15/2036 DD 09/26/19; No. of SHARES - 1,277,470	1,277,470	1,227,674
COMM 2018-HOME MOR HOME A 144A	FIXED INCOME; CORP; VAR RT 04/10/2033 DD 06/01/18; No. of SHARES - 600,000	601,627	667,656
CREDIT SUISSE FIRST P1A A 144A	FIXED INCOME; CORP; VAR RT 03/25/2032 DD 03/01/02; No. of SHARES - 7,324.97	5,744	6,499
DBGS 2019-1735 MOR 1735 A 144A	FIXED INCOME; CORP; 3.843% 04/10/2037 DD 04/01/19; No. of SHARES - 1,200,000	1,235,934	1,296,756
CITIGROUP COMMERCI SMRT A 144A	FIXED INCOME; CORP; 4.149% 01/10/2036 DD 01/01/19; No. of SHARES - 2,100,000	2,162,970	2,201,178
FREDDIE MAC MILITAR R1 A3 144A	FIXED INCOME; CORP; VAR RT 11/25/2052 DD 09/01/15; No. of SHARES - 1,928,126	2,028,961	2,203,154
HPLY TRUST 2019-HIT HIT A 144A	FIXED INCOME; CORP; VAR RT 11/15/2036 DD 05/31/19; No. of SHARES - 1,147,430	1,147,430	1,061,901
JP MORGAN MORTGAGE 6 A11 144A	FIXED INCOME; CORP; VAR RT 12/25/2049 DD 08/25/19; No. of SHARES - 364,979	364,185	357,158
JP MORGAN CHASE CO FL12 A 144A	FIXED INCOME; CORP; VAR RT 12/15/2031 DD 09/30/19; No. of SHARES - 700,000	700,000	683,718
MORGAN STANLEY CAPIT MP A 144A	FIXED INCOME; CORP; VAR RT 07/11/2040 DD 08/01/18; No. of SHARES - 400,000	411,548	428,304
NATIXIS COMMERCIAL LVL A 144A	FIXED INCOME; CORP; 3.885% 08/15/2038 DD 04/01/19; No. of SHARES - 800,000	823,997	798,432
NEW RESIDENTIAL M RPL1 A1 144A	FIXED INCOME; CORP; VAR RT 11/25/2059 DD 01/01/20; No. of SHARES - 772,188	784,601	790,157
CITIGROUP GLOBAL MAR 1 A1 144A	FIXED INCOME; CORP; VAR RT 05/25/2032 DD 05/30/02; No. of SHARES - 9,344	7,583	9,221
WORLDWIDE PLAZA TRU WWP A 144A	FIXED INCOME; CORP; 3.526% 11/10/2036 DD 11/01/17; No. of SHARES - 300,000	308,998	319,662
AIA GROUP LTD 144A	FIXED INCOME; CORP; 3.375% 04/07/2030 DD 04/07/20; No. of SHARES - 1,100,000	1,096,766	1,185,294
AIG SUNAMERICA GLOBAL FIN 144A	FIXED INCOME; CORP; 6.900% 03/15/2032 DD 03/20/02; No. of SHARES - 80,000	106,737	112,786
AP MOLLER - MAERSK A/S 144A	FIXED INCOME; CORP; 3.875% 09/28/2025 DD 09/28/15; No. of SHARES - 800,000	816,784	823,072
ABBVIE INC 144A	FIXED INCOME; CORP; 4.050% 11/21/2039 DD 11/21/19; No. of SHARES - 310,000	308,906	346,196
ABBVIE INC 144A	FIXED INCOME; CORP; 4.250% 11/21/2049 DD 11/21/19; No. of SHARES - 3,255,000	3,237,764	3,739,409
ABBVIE INC 144A	FIXED INCOME; CORP; 4.250% 11/21/2049 DD 11/21/19; No. of SHARES - 755,000	767,785	867,359
ABBVIE INC 144A	FIXED INCOME; CORP; 3.200% 11/21/2029 DD 11/21/19; No. of SHARES - 255,000	260,015	275,535
ABBVIE INC 144A	FIXED INCOME; CORP; 4.550% 03/15/2035 DD 03/15/20; No. of SHARES - 80,000	92,926	93,622
ABBVIE INC 144A	FIXED INCOME; CORP; 4.850% 06/15/2044 DD 12/15/19; No. of SHARES - 230,000	274,135	272,727
ALCON FINANCE CORP 144A	FIXED INCOME; CORP; 3.000% 09/23/2029 DD 09/23/19; No. of SHARES - 900,000	896,688	941,679
AVIATION CAPITAL GROUP LL 144A	FIXED INCOME; CORP; 3.500% 11/01/2027 DD 10/18/17; No. of SHARES - 100,000	95,299	69,265
BAE SYSTEMS PLC 144A	FIXED INCOME; CORP; 3.400% 04/15/2030 DD 04/14/20; No. of SHARES - 900,000	893,664	976,995
BMW US CAPITAL LLC 144A	FIXED INCOME; CORP; 4.150% 04/09/2030 DD 04/09/20; No. of SHARES - 310,000	309,547	346,946
BACARDI LTD 144A	FIXED INCOME; CORP; 2.750% 07/15/2026 DD 07/14/16; No. of SHARES - 100,000	93,105	98,033
BACARDI LTD 144A	FIXED INCOME; CORP; 4.700% 05/15/2028 DD 04/30/18; No. of SHARES - 900,000	897,129	991,476

BAXTER INTERNATIONAL INC 144A	FIXED INCOME; CORP; 3.950% 04/01/2030 DD 03/26/20; No. of SHARES - 250,000	249,078	294,760
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 3.500% 06/25/2021 DD 06/25/18; No. of SHARES - 200,000	203,246	204,374
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 3.875% 12/15/2023 DD 06/25/18; No. of SHARES - 200,000	199,348	215,718
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 4.375% 12/15/2028 DD 06/25/18; No. of SHARES - 200,000	198,542	229,400
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 4.625% 06/25/2038 DD 06/25/18; No. of SHARES - 80,000	89,632	94,624
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 4.875% 06/25/2048 DD 06/25/18; No. of SHARES - 239,000	272,866	301,628
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 4.700% 07/15/2064 DD 07/15/18; No. of SHARES - 2,220,000	2,201,067	2,488,687
BERKSHIRE HATHAWAY ENERGY 144A	FIXED INCOME; CORP; 4.250% 10/15/2050 DD 03/27/20; No. of SHARES - 475,000	472,411	597,113
BRISTOL-MYERS SQUIBB CO 144A	FIXED INCOME; CORP; 4.350% 11/15/2047 DD 11/15/19; No. of SHARES - 70,000	84,173	91,365
BRISTOL-MYERS SQUIBB CO 144A	FIXED INCOME; CORP; 4.350% 11/15/2047 DD 11/15/19; No. of SHARES - 3,445,000	4,142,509	4,496,480
BRISTOL-MYERS SQUIBB CO 144A	FIXED INCOME; CORP; 4.250% 10/26/2049 DD 05/16/19; No. of SHARES - 80,000	98,628	105,400
BROADCOM INC 144A	FIXED INCOME; CORP; 4.150% 11/15/2030 DD 05/08/20; No. of SHARES - 60,000	59,933	62,828
CIGNA CORP 144A	FIXED INCOME; CORP; 4.800% 07/15/2046 DD 07/15/19; No. of SHARES - 160,000	177,979	199,568
CARRIER GLOBAL CORP 144A	FIXED INCOME; CORP; 2.722% 02/15/2030 DD 02/27/20; No. of SHARES - 60,000	59,995	57,074
CARRIER GLOBAL CORP 144A	FIXED INCOME; CORP; 3.377% 04/05/2040 DD 02/27/20; No. of SHARES - 215,000	214,991	191,187
CARRIER GLOBAL CORP 144A	FIXED INCOME; CORP; 3.577% 04/05/2050 DD 02/27/20; No. of SHARES - 360,000	359,986	319,626
CORP NACIONAL DEL COBRE D 144A	FIXED INCOME; CORP; 4.250% 07/17/2042 DD 07/17/12; No. of SHARES - 350,000	349,258	375,120
CORP NACIONAL DEL COBRE D 144A	FIXED INCOME; CORP; 4.375% 02/05/2049 DD 02/05/19; No. of SHARES - 175,000	175,917	194,682
CORP NACIONAL DEL COBRE D 144A	FIXED INCOME; CORP; 3.700% 01/30/2050 DD 09/30/19; No. of SHARES - 220,000	210,076	218,775
CROWN CASTLE TOWERS LLC 144A	FIXED INCOME; CORP; 4.241% 07/15/2048 DD 07/11/18; No. of SHARES - 100,000	100,000	113,062
DELL INTERNATIONAL LLC / 144A	FIXED INCOME; CORP; 5.300% 10/01/2029 DD 03/20/19; No. of SHARES - 100,000	99,313	108,652
DELL INTERNATIONAL LLC / 144A	FIXED INCOME; CORP; 5.850% 07/15/2025 DD 04/09/20; No. of SHARES - 510,000	509,301	570,965
DEUTSCHE TELEKOM AG 144A	FIXED INCOME; CORP; 3.625% 01/21/2050 DD 01/21/20; No. of SHARES - 675,000	667,805	730,802
ELECTRICITE DE FRANCE SA 144A	FIXED INCOME; CORP; 4.875% 01/22/2044 DD 01/22/14; No. of SHARES - 35,000	36,707	41,714
ELECTRICITE DE FRANCE SA 144A	FIXED INCOME; CORP; 6.000% 01/22/2114 DD 01/22/14; No. of SHARES - 455,000	488,324	585,826
ENI SPA 144A	FIXED INCOME; CORP; 4.000% 09/12/2023 DD 09/12/18; No. of SHARES - 400,000	397,852	423,468
ENEL FINANCE INTERNATIONAL 144A	FIXED INCOME; CORP; 3.625% 05/25/2027 DD 05/25/17; No. of SHARES - 700,000	639,576	745,780
ENEL FINANCE INTERNATIONAL 144A	FIXED INCOME; CORP; 2.650% 09/10/2024 DD 09/10/19; No. of SHARES - 800,000	799,032	832,864
FAIRFAX FINANCIAL HOLDING 144A	FIXED INCOME; CORP; 4.625% 04/29/2030 DD 04/29/20; No. of SHARES - 1,000,000	1,000,000	1,002,810

FORTRESS TRANSPORTATION A 144A	FIXED INCOME; CORP; 6.500% 10/01/2025 DD 09/18/18; No. of SHARES - 700,000	693,875	586,250
GE CAPITAL FUNDING LLC 144A	FIXED INCOME; CORP; 4.400% 05/15/2030 DD 05/18/20; No. of SHARES - 1,235,000	1,235,000	1,280,164
GEORGIA-PACIFIC LLC 144A	FIXED INCOME; CORP; 2.300% 04/30/2030 DD 04/30/20; No. of SHARES - 2,355,000	2,352,080	2,409,094
IMPERIAL BRANDS FINANCE P 144A	FIXED INCOME; CORP; 3.125% 07/26/2024 DD 07/26/19; No. of SHARES - 1,400,000	1,393,070	1,417,178
INDIANAPOLIS POWER & LIGHT 144A	FIXED INCOME; CORP; 4.050% 05/01/2046 DD 05/24/16; No. of SHARES - 450,000	450,167	499,406
IPALCO ENTERPRISES INC 144A	FIXED INCOME; CORP; 4.250% 05/01/2030 DD 04/14/20; No. of SHARES - 800,000	799,272	844,400
LEASEPLAN CORP NV 144A	FIXED INCOME; CORP; 2.875% 10/24/2024 DD 10/24/19; No. of SHARES - 1,100,000	1,097,514	1,104,752
LIBERTY MUTUAL GROUP INC 144A	FIXED INCOME; CORP; 3.951% 10/15/2050 DD 09/27/19; No. of SHARES - 1,115,000	1,155,831	1,139,129
LIBERTY MUTUAL GROUP INC 144A	FIXED INCOME; CORP; 3.951% 10/15/2050 DD 09/27/19; No. of SHARES - 790,000	817,911	807,096
LIBERTY MUTUAL GROUP INC 144A	FIXED INCOME; CORP; 3.950% 05/15/2060 DD 05/07/20; No. of SHARES - 645,000	628,320	652,476
LIBERTY MUTUAL GROUP INC 144A	FIXED INCOME; CORP; 3.950% 05/15/2060 DD 05/07/20; No. of SHARES - 230,000	229,768	232,666
MARS INC 144A	FIXED INCOME; CORP; 3.600% 04/01/2034 DD 03/29/19; No. of SHARES - 160,000	160,506	187,574
MARS INC 144A	FIXED INCOME; CORP; 3.875% 04/01/2039 DD 03/29/19; No. of SHARES - 170,000	169,539	199,094
MELCO RESORTS FINANCE LTD 144A	FIXED INCOME; CORP; 5.625% 07/17/2027 DD 07/17/19; No. of SHARES - 800,000	800,000	799,152
MEXICO GENERADORA DE ENER 144A	FIXED INCOME; CORP; 5.500% 12/06/2032 DD 12/06/12; No. of SHARES - 853,133	889,392	880,433
MINERA MEXICO SA DE CV 144A	FIXED INCOME; CORP; 4.500% 01/26/2050 DD 09/26/19; No. of SHARES - 600,000	568,446	575,820
MONONGAHELA POWER CO 144A	FIXED INCOME; CORP; 5.400% 12/15/2043 DD 11/27/13; No. of SHARES - 655,000	789,399	905,099
NXP BV / NXP FUNDING LLC 144A	FIXED INCOME; CORP; 3.875% 06/18/2026 DD 06/18/19; No. of SHARES - 400,000	420,436	431,168
NARRAGANSETT ELECTRIC CO/ 144A	FIXED INCOME; CORP; 3.395% 04/09/2030 DD 04/09/20; No. of SHARES - 800,000	800,000	891,344
NATIONWIDE FINANCIAL SERV 144A	FIXED INCOME; CORP; 3.900% 11/30/2049 DD 11/21/19; No. of SHARES - 285,000	283,598	279,363
NATIONWIDE BUILDING SOCIETY 144A	FIXED INCOME; CORP; VAR RT 03/08/2024 DD 03/08/18; No. of SHARES - 700,000	686,679	734,167
NATIONWIDE BUILDING SOCIETY 144A	FIXED INCOME; CORP; VAR RT 07/18/2030 DD 07/18/19; No. of SHARES - 1,100,000	1,100,338	1,213,993
NESTLE HOLDINGS INC 144A	FIXED INCOME; CORP; 3.900% 09/24/2038 DD 09/24/18; No. of SHARES - 220,000	227,581	267,421
NESTLE HOLDINGS INC 144A	FIXED INCOME; CORP; 4.000% 09/24/2048 DD 09/24/18; No. of SHARES - 1,070,000	1,110,574	1,376,940
NESTLE HOLDINGS INC 144A	FIXED INCOME; CORP; 4.000% 09/24/2048 DD 09/24/18; No. of SHARES - 270,000	280,238	347,452
NEW YORK LIFE INSURANCE CO 144A	FIXED INCOME; CORP; 3.750% 05/15/2050 DD 04/14/20; No. of SHARES - 600,000	596,334	675,132
NEWCREST FINANCE PTY LTD 144A	FIXED INCOME; CORP; 3.250% 05/13/2030 DD 05/13/20; No. of SHARES - 100,000	99,678	104,622
NEWCREST FINANCE PTY LTD 144A	FIXED INCOME; CORP; 4.200% 05/13/2050 DD 05/13/20; No. of SHARES - 825,000	820,677	890,414
NIAGARA MOHAWK POWER CORP 144A	FIXED INCOME; CORP; 4.278% 12/15/2028 DD 12/04/18; No. of SHARES - 900,000	899,991	1,050,930

NORFOLK SOUTHERN CORP 144A	FIXED INCOME; CORP; 3.155% 05/15/2055 DD 05/15/20; No. of SHARES - 681,000	663,689	682,539
NORTHERN NATURAL GAS CO 144A	FIXED INCOME; CORP; 4.300% 01/15/2049 DD 07/17/18; No. of SHARES - 900,000	933,822	1,040,994
ONCOR ELECTRIC DELIVERY CO 144A	FIXED INCOME; CORP; 3.700% 05/15/2050 DD 03/20/20; No. of SHARES - 260,000	259,233	312,161
PERFORMANCE FOOD GROUP IN 144A	FIXED INCOME; CORP; 5.500% 10/15/2027 DD 09/27/19; No. of SHARES - 500,000	500,000	490,065
PERTAMINA PERSERO PT 144A	FIXED INCOME; CORP; 6.500% 11/07/2048 DD 11/07/18; No. of SHARES - 200,000	198,900	245,948
PANASONIC CORP 144A	FIXED INCOME; CORP; 2.536% 07/19/2022 DD 07/19/19; No. of SHARES - 300,000	300,363	305,241
PENSKE TRUCK LEASING CO L 144A	FIXED INCOME; CORP; 4.450% 01/29/2026 DD 01/29/19; No. of SHARES - 600,000	598,392	651,288
PENSKE TRUCK LEASING CO L 144A	FIXED INCOME; CORP; 3.350% 11/01/2029 DD 09/17/19; No. of SHARES - 200,000	199,108	200,514
PERUSAHAAN PERSEROAN PERS 144A	FIXED INCOME; CORP; 6.250% 01/25/2049 DD 10/25/18; No. of SHARES - 200,000	198,586	238,302
PROTECTIVE LIFE CORP 144A	FIXED INCOME; CORP; 4.300% 09/30/2028 DD 08/23/18; No. of SHARES - 400,000	399,036	438,708
PROTECTIVE LIFE CORP 144A	FIXED INCOME; CORP; 3.400% 01/15/2030 DD 09/20/19; No. of SHARES - 1,500,000	1,495,380	1,524,585
PUGET ENERGY INC 144A	FIXED INCOME; CORP; 4.100% 06/15/2030 DD 05/19/20; No. of SHARES - 400,000	399,332	424,004
RELIANCE STANDARD LIFE GL 144A	FIXED INCOME; CORP; 2.625% 07/22/2022 DD 07/22/19; No. of SHARES - 1,200,000	1,199,520	1,212,912
RIO OIL FINANCE TRUST SER 144A	FIXED INCOME; CORP; 8.200% 04/06/2028 DD 04/19/18; No. of SHARES - 800,000	800,000	800,008
SMBC AVIATION CAPITAL FIN 144A	FIXED INCOME; CORP; 4.125% 07/15/2023 DD 07/30/18; No. of SHARES - 300,000	299,592	303,630
[illegible] 144A	[illegible] DD 04/30/18; No. of SHARES - 400,000	406,852	434,108
[illegible] 144A	[illegible] DD 04/30/18; No. of SHARES - 385,000	398,448	429,267
[illegible] 144A	[illegible] DD 05/08/20; No. of SHARES - 300,000	299,232	329,013
[illegible] 144A	[illegible] DD 05/08/20; No. of SHARES - 240,000	239,386	263,210
SAUDI ARABIAN OIL CO 144A	[illegible] DD 04/16/19; No. of SHARES - 65,000	62,345	72,068
[illegible] 144A	[illegible] DD 09/12/18; No. of SHARES - 900,000	895,995	1,004,112
SUNTORY HOLDINGS LTD 144A	[illegible] DD 10/16/19; No. of SHARES - 800,000	798,688	822,152
SYNGENTA FINANCE NV 144A	[illegible] DD 04/24/18; No. of SHARES - 900,000	930,364	919,224
T-MOBILE USA INC 144A	[illegible] DD 04/09/20; No. of SHARES - 615,000	602,854	679,218
T-MOBILE USA INC 144A	FIXED INCOME; CORP; 4.375% 04/15/2040 DD 04/09/20; No. of SHARES - 1,300,000	1,274,325	1,435,746
T-MOBILE USA INC 144A	FIXED INCOME; CORP; 4.500% 04/15/2050 DD 04/09/20; No. of SHARES - 1,075,000	1,070,431	1,214,223
TEACHERS INSURANCE & ANNU 144A	FIXED INCOME; CORP; 4.270% 05/15/2047 DD 05/08/17; No. of SHARES - 865,000	901,408	1,018,866
TENCENT HOLDINGS LTD 144A	FIXED INCOME; CORP; 3.975% 04/11/2029 DD 04/11/19; No. of SHARES - 1,400,000	1,399,538	1,570,016
TEXAS EASTERN TRANSMISSIO 144A	FIXED INCOME; CORP; 4.150% 01/15/2048 DD 01/09/18; No. of SHARES - 140,000	136,284	140,966
TRANSCONTINENTAL GAS PIPE 144A	FIXED INCOME; CORP; 3.250% 05/15/2030 DD 05/08/20; No. of SHARES - 310,000	309,340	330,076
TRIVIUM PACKAGING FINANCE 144A	FIXED INCOME; CORP; VAR RT 08/15/2026 DD 08/02/19; No. of SHARES - 600,000	600,000	629,442
VOLKSWAGEN GROUP OF AMERI 144A	FIXED INCOME; CORP; 3.750% 05/13/2030 DD 05/13/20; No. of SHARES - 500,000	499,630	529,815

WOODSIDE FINANCE LTD 144A	FIXED INCOME; CORP; 4.500% 03/04/2029 DD 03/04/19; No. of SHARES - 400,000	399,268	421,760
AEP TEXAS INC	FIXED INCOME; CORP; 3.450% 01/15/2050 DD 12/05/19; No. of SHARES - 70,000	79,151	73,778
AEP TEXAS INC	FIXED INCOME; CORP; 3.800% 10/01/2047 DD 09/22/17; No. of SHARES - 235,000	245,904	261,322
FEDERAL HOME LN MTG CORP STRIP	FIXED INCOME; CORP; 0.000% 09/15/2029 DD 10/25/00; No. of SHARES - 1,300,000	1,055,667	1,151,800
FEDERAL HOME LN MTG CORP STRIP	FIXED INCOME; CORP; 0.000% 03/15/2031 DD 10/25/00; No. of SHARES - 500,000	179,131	429,295
PELABUHAN INDONESIA III P REGS	FIXED INCOME; CORP; 4.500% 05/02/2023 DD 05/02/18; No. of SHARES - 600,000	593,394	612,000
CENTRAL JAPAN RAILWAY CO REGS	FIXED INCOME; CORP; 2.200% 10/02/2024; No. of SHARES - 900,000	909,405	925,624
UNITED PARCEL SERVICE INC	FIXED INCOME; CORP; 5.300% 04/01/2050 DD 03/24/20; No. of SHARES - 85,000	84,505	120,274
UNITED PARCEL SERVICE INC	FIXED INCOME; CORP; 5.200% 04/01/2040 DD 03/24/20; No. of SHARES - 165,000	164,206	219,503
UNION PACIFIC CORP	FIXED INCOME; CORP; 3.750% 02/05/2070 DD 01/31/20; No. of SHARES - 1,065,000	1,064,521	1,168,561
UNION PACIFIC CORP	FIXED INCOME; CORP; 3.839% 03/20/2060 DD 03/20/20; No. of SHARES - 165,000	172,592	189,603
UNION PACIFIC CORP	FIXED INCOME; CORP; 4.300% 03/01/2049 DD 02/19/19; No. of SHARES - 380,000	391,719	476,379
UNION PACIFIC CORP	FIXED INCOME; CORP; 4.375% 09/10/2038 DD 06/08/18; No. of SHARES - 280,000	293,311	335,572
UNION PACIFIC CORP	FIXED INCOME; CORP; 4.375% 09/10/2038 DD 06/08/18; No. of SHARES - 2,010,000	2,105,555	2,408,925
UNION PACIFIC CORP	FIXED INCOME; CORP; 3.799% 10/01/2051 DD 10/04/16; No. of SHARES - 710,000	686,355	827,903
NORFOLK SOUTHERN CORP	FIXED INCOME; CORP; 3.942% 11/01/2047 DD 05/01/18; No. of SHARES - 100,000	97,372	116,915
NORFOLK SOUTHERN CORP	FIXED INCOME; CORP; 4.050% 08/15/2052 DD 02/15/18; No. of SHARES - 165,000	149,865	191,448
NORFOLK SOUTHERN CORP	FIXED INCOME; CORP; 4.050% 08/15/2052 DD 02/15/18; No. of SHARES - 940,000	923,528	1,090,673
HOME DEPOT INC/THE	FIXED INCOME; CORP; 4.875% 02/15/2044 DD 09/10/13; No. of SHARES - 580,000	661,171	789,542
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.900% 06/15/2047 DD 06/05/17; No. of SHARES - 380,000	381,448	459,279
HOME DEPOT INC/THE	FIXED INCOME; CORP; 4.500% 12/06/2048 DD 12/06/18; No. of SHARES - 45,000	56,102	59,585
HOME DEPOT INC/THE	FIXED INCOME; CORP; 4.500% 12/06/2048 DD 12/06/18; No. of SHARES - 1,445,000	1,585,237	1,913,325
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.125% 12/15/2049 DD 01/13/20; No. of SHARES - 170,000	176,295	183,865
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.125% 12/15/2049 DD 01/13/20; No. of SHARES - 1,070,000	1,115,068	1,157,269
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.300% 04/15/2040 DD 03/30/20; No. of SHARES - 145,000	143,715	161,640
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.350% 04/15/2050 DD 03/30/20; No. of SHARES - 130,000	128,515	147,256
LOWE'S COS INC	FIXED INCOME; CORP; 4.375% 09/15/2045 DD 09/16/15; No. of SHARES - 335,000	330,417	393,602
LOWE'S COS INC	FIXED INCOME; CORP; 3.700% 04/15/2046 DD 04/20/16; No. of SHARES - 265,000	283,407	291,375
LOWE'S COS INC	FIXED INCOME; CORP; 4.550% 04/05/2049 DD 04/05/19; No. of SHARES - 1,785,000	1,783,126	2,222,111

LOWE'S COS INC	FIXED INCOME; CORP; 4.550% 04/05/2049 DD 04/05/19; No. of SHARES - 165,000	169,310	205,405
MCDONALD'S CORP	FIXED INCOME; CORP; 4.600% 05/26/2045 DD 05/26/15; No. of SHARES - 600,000	621,858	736,398
MCDONALD'S CORP	FIXED INCOME; CORP; 4.875% 12/09/2045 DD 12/09/15; No. of SHARES - 55,000	63,483	69,545
MCDONALD'S CORP	FIXED INCOME; CORP; 3.800% 04/01/2028 DD 03/16/18; No. of SHARES - 400,000	398,004	459,784
MCDONALD'S CORP	FIXED INCOME; CORP; 4.450% 09/01/2048 DD 08/15/18; No. of SHARES - 30,000	32,985	36,840
MCDONALD'S CORP	FIXED INCOME; CORP; 3.625% 09/01/2049 DD 08/12/19; No. of SHARES - 630,000	617,873	686,429
MCDONALD'S CORP	FIXED INCOME; CORP; 3.625% 09/01/2049 DD 08/12/19; No. of SHARES - 110,000	119,050	119,853
MCDONALD'S CORP	FIXED INCOME; CORP; 3.600% 07/01/2030 DD 03/27/20; No. of SHARES - 145,000	143,936	164,181
STARBUCKS CORP	FIXED INCOME; CORP; 3.500% 11/15/2050 DD 05/07/20; No. of SHARES - 245,000	250,083	250,152
TARGET CORP	FIXED INCOME; CORP; 4.000% 07/01/2042 DD 06/26/12; No. of SHARES - 420,000	427,333	526,554
TARGET CORP	FIXED INCOME; CORP; 2.650% 09/15/2030 DD 03/31/20; No. of SHARES - 100,000	99,593	108,910
WALMART INC	FIXED INCOME; CORP; 4.000% 04/11/2043 DD 04/11/13; No. of SHARES - 3,001,000	3,574,401	3,763,764
WALMART INC	FIXED INCOME; CORP; 3.950% 06/28/2038 DD 06/27/18; No. of SHARES - 360,000	375,199	444,200
WALMART INC	FIXED INCOME; CORP; 4.050% 06/29/2048 DD 06/27/18; No. of SHARES - 845,000	921,749	1,085,977
WALMART INC	FIXED INCOME; CORP; 2.950% 09/24/2049 DD 09/24/19; No. of SHARES - 385,000	375,830	425,598
KANSAS CITY SOUTHERN	FIXED INCOME; CORP; 4.950% 08/15/2045 DD 02/15/16; No. of SHARES - 200,000	217,496	251,600
KANSAS CITY SOUTHERN	FIXED INCOME; CORP; 4.300% 05/15/2043 DD 05/15/16; No. of SHARES - 600,000	595,626	690,384
FEDEX CORP	FIXED INCOME; CORP; 4.400% 01/15/2047 DD 01/06/17; No. of SHARES - 105,000	98,766	107,240
FEDEX CORP	FIXED INCOME; CORP; 5.100% 01/15/2044 DD 01/09/14; No. of SHARES - 35,000	36,549	39,134
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 6.150% 05/01/2037 DD 04/13/07; No. of SHARES - 415,000	533,964	580,797
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.150% 12/15/2048 DD 08/02/18; No. of SHARES - 55,000	64,859	67,421
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.050% 06/15/2048 DD 03/05/18; No. of SHARES - 140,000	143,843	168,706
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.150% 04/01/2045 DD 03/09/15; No. of SHARES - 3,015,000	3,138,223	3,647,969
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.150% 04/01/2045 DD 03/09/15; No. of SHARES - 395,000	426,297	477,926
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.550% 09/01/2044 DD 08/18/14; No. of SHARES - 135,000	157,744	168,078
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.375% 09/01/2042 DD 08/23/12; No. of SHARES - 135,000	142,441	164,564
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 5.050% 03/01/2041 DD 09/10/10; No. of SHARES - 135,000	154,605	175,751
PERKINELMER INC	FIXED INCOME; CORP; 3.300% 09/15/2029 DD 09/12/19; No. of SHARES - 900,000	897,030	931,113
ORACLE CORP	FIXED INCOME; CORP; 3.850% 04/01/2060 DD 04/01/20; No. of SHARES - 800,000	796,920	916,088

ORACLE CORP	FIXED INCOME; CORP; 3.600% 04/01/2050 DD 04/01/20; No. of SHARES - 800,000	797,232	891,960
ORACLE CORP	FIXED INCOME; CORP; 3.600% 04/01/2040 DD 04/01/20; No. of SHARES - 4,165,000	4,153,796	4,611,155
ORACLE CORP	FIXED INCOME; CORP; 2.950% 04/01/2030 DD 04/01/20; No. of SHARES - 500,000	499,485	548,495
ORACLE CORP	FIXED INCOME; CORP; 3.800% 11/15/2037 DD 11/09/17; No. of SHARES - 285,000	281,554	324,655
ORACLE CORP	FIXED INCOME; CORP; 3.800% 11/15/2037 DD 11/09/17; No. of SHARES - 400,000	398,496	455,656
ORACLE CORP	FIXED INCOME; CORP; 4.000% 07/15/2046 DD 07/07/16; No. of SHARES - 285,000	290,158	330,443
ORACLE CORP	FIXED INCOME; CORP; 3.850% 07/15/2036 DD 07/07/16; No. of SHARES - 90,000	99,394	104,288
ORACLE CORP	FIXED INCOME; CORP; 4.125% 05/15/2045 DD 05/05/15; No. of SHARES - 365,000	364,865	432,277
ORACLE CORP	FIXED INCOME; CORP; 4.300% 07/08/2034 DD 07/08/14; No. of SHARES - 740,000	792,943	908,328
NVIDIA CORP	FIXED INCOME; CORP; 3.700% 04/01/2060 DD 03/31/20; No. of SHARES - 55,000	54,840	65,047
NVIDIA CORP	FIXED INCOME; CORP; 3.500% 04/01/2050 DD 03/31/20; No. of SHARES - 375,000	374,033	427,328
ACTIVISION BLIZZARD INC	FIXED INCOME; CORP; 3.400% 06/15/2027 DD 05/26/17; No. of SHARES - 700,000	695,569	762,650
APPLE INC	FIXED INCOME; CORP; 3.850% 05/04/2043 DD 05/03/13; No. of SHARES - 815,000	806,475	999,304
APPLE INC	FIXED INCOME; CORP; 3.450% 02/09/2045 DD 02/09/15; No. of SHARES - 540,000	511,925	623,117
APPLE INC	FIXED INCOME; CORP; 4.500% 02/23/2036 DD 02/23/16; No. of SHARES - 245,000	271,161	319,779
APPLE INC	FIXED INCOME; CORP; 4.650% 02/23/2046 DD 02/23/16; No. of SHARES - 865,000	955,732	1,191,062
APPLE INC	FIXED INCOME; CORP; 3.850% 08/04/2046 DD 08/04/16; No. of SHARES - 290,000	293,000	357,901
APPLE INC	FIXED INCOME; CORP; 2.900% 09/12/2027 DD 09/12/17; No. of SHARES - 1,000,000	998,880	1,120,320
APPLE INC	FIXED INCOME; CORP; 3.750% 09/12/2047 DD 09/12/17; No. of SHARES - 60,000	73,162	73,063
APPLE INC	FIXED INCOME; CORP; 2.950% 09/11/2049 DD 09/11/19; No. of SHARES - 170,000	178,133	184,819
APPLE INC	FIXED INCOME; CORP; 2.650% 05/11/2050 DD 05/11/20; No. of SHARES - 1,030,000	1,015,281	1,063,588
BROADCOM CORP / BROADCOM CAYMA	FIXED INCOME; CORP; 3.875% 01/15/2027 DD 01/15/18; No. of SHARES - 100,000	94,915	105,313
BROADCOM CORP / BROADCOM CAYMA	FIXED INCOME; CORP; 3.125% 01/15/2025 DD 10/17/17; No. of SHARES - 200,000	199,944	206,716
FISERV INC	FIXED INCOME; CORP; 2.750% 07/01/2024 DD 06/24/19; No. of SHARES - 300,000	299,496	318,930
FISERV INC	FIXED INCOME; CORP; 4.400% 07/01/2049 DD 06/24/19; No. of SHARES - 1,775,000	2,006,006	2,157,016
FISERV INC	FIXED INCOME; CORP; 4.400% 07/01/2049 DD 06/24/19; No. of SHARES - 525,000	526,732	637,991
FISERV INC	FIXED INCOME; CORP; 2.650% 06/01/2030 DD 05/13/20; No. of SHARES - 1,370,000	1,367,589	1,415,265
FLEX LTD	FIXED INCOME; CORP; 3.750% 02/01/2026 DD 05/12/20; No. of SHARES - 700,000	697,319	721,525
HEWLETT PACKARD ENTERPRISE CO	FIXED INCOME; CORP; 4.650% 10/01/2024 DD 04/09/20; No. of SHARES - 1,235,000	1,232,740	1,360,525

INTEL CORP	FIXED INCOME; CORP; 4.000% 12/15/2032 DD 12/11/12; No. of SHARES - 295,000	316,980	364,068
INTEL CORP	FIXED INCOME; CORP; 3.734% 12/08/2047 DD 06/08/18; No. of SHARES - 415,000	407,993	487,932
INTERNATIONAL BUSINESS MACHINE	FIXED INCOME; CORP; 4.250% 05/15/2049 DD 05/15/19; No. of SHARES - 2,030,000	2,453,133	2,505,365
MICROSOFT CORP	FIXED INCOME; CORP; 3.500% 02/12/2035 DD 02/12/15; No. of SHARES - 135,000	136,249	164,029
MICROSOFT CORP	FIXED INCOME; CORP; 3.450% 08/08/2036 DD 08/08/16; No. of SHARES - 610,000	608,939	720,081
MICROSOFT CORP	FIXED INCOME; CORP; 3.700% 08/08/2046 DD 08/08/16; No. of SHARES - 2,530,000	2,562,990	3,152,228
MICROSOFT CORP	FIXED INCOME; CORP; 3.700% 08/08/2046 DD 08/08/16; No. of SHARES - 1,020,000	1,029,018	1,270,859
MICROSOFT CORP	FIXED INCOME; CORP; 3.950% 08/08/2056 DD 08/08/16; No. of SHARES - 516,000	534,387	675,738
MICROSOFT CORP	FIXED INCOME; CORP; 4.100% 02/06/2037 DD 02/06/17; No. of SHARES - 694,000	748,243	881,901
MICROSOFT CORP	FIXED INCOME; CORP; 2.525% 06/01/2050 DD 06/01/20; No. of SHARES - 636,000	646,017	646,888
MICROSOFT CORP	FIXED INCOME; CORP; 2.675% 06/01/2060 DD 06/01/20; No. of SHARES - 394,000	400,954	404,488
MICROSOFT CORP	FIXED INCOME; CORP; 2.675% 06/01/2060 DD 06/01/20; No. of SHARES - 2,552,373	2,597,422	2,620,317
MICRON TECHNOLOGY INC	FIXED INCOME; CORP; 4.185% 02/15/2027 DD 07/12/19; No. of SHARES - 1,000,000	999,934	1,105,110
NVIDIA CORP	FIXED INCOME; CORP; 3.500% 04/01/2040 DD 03/31/20; No. of SHARES - 210,000	209,580	238,718
		$3,377,514,265	$3,765,329,922

Parker-Hannifin Consolidated Pension Plan - A
Schedule H, Line 4(j) – Schedule of Reportable Transactions
May 31, 2020
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:								
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	$ 180,009,719	$ —			$ —	$180,009,719	$ —
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13		220,062,818			220,062,818	220,062,818	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	164,411,046					164,411,046	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13		164,411,046			164,411,046	164,411,046	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	164,411,046					164,411,046	—
*	AON GLOBAL EQUITY PARTICIPANT CUSIP		348,448,895			382,094,247	348,448,895	(33,645,352)
Category (iii) - Series of individual transaction in excess of five percent of beginning plan net assets:								
	COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2051 DD 02/01/21	91,274,273	—			—	91,274,273	—
	COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2051 DD 02/01/21	—	91,388,074			91,269,918	91,388,074	118,156
	COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2050 DD 04/01/20	95,153,490	—			—	95,153,490	—
	COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2050 DD 04/01/20	—	95,754,074			95,153,490	95,754,074	600,584
	COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2050 DD 07/01/20	—	121,704,461			121,869,160	121,704,461	(164,699)
	COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2050 DD 07/01/20	121,869,160	—			—	121,869,160	—
	COMMIT TO PUR FNMA SF MTG 4.000% 10/01/2050 DD 10/01/20	95,357,930	—			—	95,357,930	—
	COMMIT TO PUR FNMA SF MTG 4.000% 10/01/2050 DD 10/01/20	—	95,377,410			95,357,930	95,377,410	19,480
	COMMIT TO PUR FNMA SF MTG 4.000% 11/01/2050 DD 11/01/20	—	103,443,473			103,471,844	103,443,473	(28,371)
	COMMIT TO PUR FNMA SF MTG 4.000% 11/01/2050 DD 11/01/20	103,471,844	—			—	103,471,844	—
	COMMIT TO PUR FNMA SF MTG 4.000% 12/01/2050 DD 12/01/20	—	87,747,236			87,777,117	87,747,236	(29,881)
	COMMIT TO PUR FNMA SF MTG 4.000% 12/01/2050 DD 12/01/20	87,777,117	—			—	87,777,117	—
	COMMIT TO PUR FNMA SF MTG 4.500% 01/01/2051 DD 01/01/21	—	96,062,020			96,075,266	96,062,020	(13,246)
	COMMIT TO PUR FNMA SF MTG 4.500% 01/01/2051 DD 01/01/21	96,075,266	—			—	96,075,266	—
	COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2051 DD 02/01/21	139,304,477	—			—	139,304,477	—
	COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2051 DD 02/01/21	—	139,478,102			139,306,313	139,478,102	171,789
	COMMIT TO PUR FNMA SF MTG 4.500% 08/01/2050 DD 08/01/20	79,894,688	—			—	79,894,688	—
	COMMIT TO PUR FNMA SF MTG 4.500% 08/01/2050 DD 08/01/20	—	80,000,361			79,894,688	80,000,361	105,673
	COMMIT TO PUR FNMA SF MTG 4.500% 09/01/2050 DD 09/01/20	79,998,047	—			—	79,998,047	—
	COMMIT TO PUR FNMA SF MTG 4.500% 09/01/2050 DD 09/01/20	—	80,180,068			79,998,047	80,180,068	182,021
	COMMIT TO PUR FNMA SF MTG 4.500% 10/01/2050 DD 10/01/20	146,813,641	—			—	146,813,641	—
	COMMIT TO PUR FNMA SF MTG 4.500% 10/01/2050 DD 10/01/20	—	147,073,455			146,965,202	147,073,455	108,253

	COMMIT TO PUR FNMA SF MTG 4.500% 11/01/2050 DD 11/01/20	—	128,873,934	128,920,848	128,873,934	(46,914)
	COMMIT TO PUR FNMA SF MTG 4.500% 11/01/2050 DD 11/01/20	128,920,848	—	—	128,920,848	—
	COMMIT TO PUR FNMA SF MTG 4.500% 12/01/2050 DD 12/01/20	—	128,818,775	128,876,703	128,818,775	(57,928)
	COMMIT TO PUR FNMA SF MTG 4.500% 12/01/2050 DD 12/01/20	128,876,703	—	—	128,876,703	—
	PIMCO ALL ASSET FUND-INST	—	174,781,748	182,909,160	174,781,748	(8,127,412)
	PIMCO ALL ASSET FUND-INST	3,249,251	—	—	3,249,251	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	104,812,908	—	—	104,812,908	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	99,700,000	99,682,743	99,700,000	17,257
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	5,664,878	—	—	5,664,878	—
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	200,601,307	—	—	200,601,307	—
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	206,324,438	205,303,344	206,324,438	1,021,094
	U S TREASURY BOND 4.250% 05/15/2039 DD 05/15/09	2,973,978	—	—	2,973,978	—
	U S TREASURY BOND 4.250% 05/15/2039 DD 05/15/09	95,115,709	—	—	95,115,709	—
	U S TREASURY BOND 4.250% 05/15/2039 DD 05/15/09	—	98,122,625	97,483,012	98,122,625	639,613
	U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	19,988,342	—	—	19,988,342	—
	U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	940,275,951	—	—	940,275,951	—
	U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	966,616,396	961,239,000	966,616,396	5,377,396
	U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	15,867,646	—	—	15,867,646	—
	U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	641,449,597	—	—	641,449,597	—
	U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	657,528,700	653,696,726	657,528,700	3,831,974
	U S TREASURY BOND 3.750% 08/15/2041 DD 08/15/11	567,391,580	—	—	567,391,580	—
	U S TREASURY BOND 3.750% 08/15/2041 DD 08/15/11	—	568,957,281	567,391,580	568,957,281	1,565,701
	U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	14,099,361	—	—	14,099,361	—
	U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	732,525,025	—	—	732,525,025	—
	U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	739,428,847	736,972,539	739,428,847	2,456,308
	U S TREASURY BOND 3.000% 05/15/2042 DD 05/15/12	1,671,200,939	—	—	1,671,200,939	—
	U S TREASURY BOND 3.000% 05/15/2042 DD 05/15/12	—	1,698,624,227	1,691,961,333	1,698,624,227	6,662,894
	U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	241,294,197	—	—	241,294,197	—
	U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	251,632,748	249,056,722	251,632,748	2,576,026
*	U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	457,588,539	—	—	457,588,539	—
*	U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	462,095,858	460,164,117	462,095,858	1,931,741
	U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	82,957,183	—	—	82,957,183	—

	U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	85,185,187	84,725,475	85,185,187	459,712
	U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	275,719,896	—	—	275,719,896	—
	U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	281,285,153	275,719,896	281,285,153	5,565,257
	U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	6,256,594	—	—	6,256,594	—
*	U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	216,076,783	—	—	216,076,783	—
*	U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	223,022,643	220,055,218	223,022,643	2,967,425
*	U S TREASURY BOND 3.375% 05/15/2044 DD 05/15/14	1,341,418,442	—	—	1,341,418,442	—
*	U S TREASURY BOND 3.375% 05/15/2044 DD 05/15/14	—	1,374,134,647	1,363,773,026	1,374,134,647	10,361,621
	U S TREASURY BOND 3.125% 08/15/2044 DD 08/15/14	1,933,319,581	—	—	1,933,319,581	—
	U S TREASURY BOND 3.125% 08/15/2044 DD 08/15/14	—	1,986,051,655	1,976,933,319	1,986,051,655	9,118,336
	U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	1,268,877,745	—	—	1,268,877,745	—
	U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	1,317,318,676	1,303,023,874	1,317,318,676	14,294,802
	U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	90,913,948	—	—	90,913,948	—
	U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	93,652,000	93,005,316	93,652,000	646,684
	U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	78,340,143	—	—	78,340,143	—
	U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	84,631,135	82,851,707	84,631,135	1,779,428
	U S TREASURY BOND 2.875% 05/15/2049 DD 05/15/19	3,322,918	—	—	3,322,918	—
	U S TREASURY BOND 2.875% 05/15/2049 DD 05/15/19	1,419,420,943	—	—	1,419,420,943	—
	U S TREASURY BOND 2.875% 05/15/2049 DD 05/15/19	—	1,439,194,960	1,437,501,212	1,439,194,960	1,693,748
	U S TREASURY BOND 2.250% 08/15/2049 DD 08/15/19	2,045,716	—	—	2,045,716	—
	U S TREASURY BOND 2.250% 08/15/2049 DD 08/15/19	94,078,703	—	—	94,078,703	—
	U S TREASURY BOND 2.250% 08/15/2049 DD 08/15/19	—	93,555,712	92,837,805	93,555,712	717,907
	U S TREASURY BOND 2.000% 02/15/2050 DD 02/15/20	160,795,946	—	—	160,795,946	—
	U S TREASURY BOND 2.000% 02/15/2050 DD 02/15/20	—	62,283	63,124	62,283	(841)
	U S TREASURY BOND 2.000% 02/15/2050 DD 02/15/20	—	4,944,644,610	4,950,203,408	4,944,644,610	(5,558,798)
	U S TREASURY BOND 2.000% 02/15/2050 DD 02/15/20	4,951,695,913	—	—	4,951,695,913	—
	U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	19,106,324	—	—	19,106,324	—
	U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	322,787,029	—	—	322,787,029	—
	U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	350,583,796	347,509,252	350,583,796	3,074,544
	U S TREASURY NOTE 2.625% 02/15/2029 DD 02/15/19	189,850,015	—	—	189,850,015	—
	U S TREASURY NOTE 2.625% 02/15/2029 DD 02/15/19	—	193,175,097	192,985,007	193,175,097	190,090
	U S TREASURY NOTE 1.125% 02/28/2021 DD 02/29/16	7,456,491	—	—	7,456,491	—
	U S TREASURY NOTE 1.125% 02/28/2021 DD 02/29/16	313,038,858	—	—	313,038,858	—

U S TREASURY NOTE 1.125% 02/28/2021 DD 02/29/16	0	320,454,324	320,318,079	320,454,324	136,245
U S TREASURY NOTE 1.375% 05/31/2021 DD 05/31/16	6,984,681	0	0	6,984,681	—
U S TREASURY NOTE 1.375% 05/31/2021 DD 05/31/16	252,356,071	0	0	252,356,071	—
U S TREASURY NOTE 1.375% 05/31/2021 DD 05/31/16	0	259,318,250	259,159,832	259,318,250	158,418
U S TREASURY NOTE 1.125% 07/31/2021 DD 07/31/16	6,675,119	0	0	6,675,119	—
U S TREASURY NOTE 1.125% 07/31/2021 DD 07/31/16	174,663,259	0	0	174,663,259	—
U S TREASURY NOTE 1.125% 07/31/2021 DD 07/31/16	0	181,310,309	181,107,724	181,310,309	202,585
U S TREASURY NOTE 1.500% 02/15/2030 DD 02/15/20	26,216,620	0	0	26,216,620	—
U S TREASURY NOTE 1.500% 02/15/2030 DD 02/15/20	481,933,997	0	0	481,933,997	—
U S TREASURY NOTE 1.500% 02/15/2030 DD 02/15/20	0	482,116,556	481,933,997	482,116,556	182,559
U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	22,536,749	0	0	22,536,749	—
U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	132,134,562	0	0	132,134,562	—
U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	0	154,548,750	148,163,453	154,548,750	6,385,297
BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	271,953,517	0	0	271,953,517	—
BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	0	271,953,517	271,953,517	271,953,517	—
EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,532,208,318	0	0	1,532,208,318	—
EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	0	1,488,599,606	1,488,599,606	1,488,599,606	—
DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	0	260,000	260,000	260,000	—
DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	95,280,000	0	0	95,280,000	—
DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	0	90,935,000	90,935,000	90,935,000	—
AHGT MULTI ASSET CREDIT PARTICIPANT CUSIP	0	60,000,000	61,025,882	60,000,000	(1,025,882)
AHGT MULTI ASSET CREDIT PARTICIPANT CUSIP	180,000,000	0	0	180,000,000	—
AGT GLOBAL REAL ESTATE PARTICIPANT CUSIP	130,000,000	0	0	130,000,000	—
AGT GLOBAL REAL ESTATE PARTICIPANT CUSIP	0	100,000,000	97,070,211	100,000,000	2,929,789
AON GLOBAL EQUITY PARTICIPANT CUSIP	0	356,448,895	389,185,737	356,448,895	(32,736,842)
AON GLOBAL EQUITY PARTICIPANT CUSIP	8,000,000	0	0	8,000,000	—

Schedule SB Attachment (Form 5500)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 PN: 001

Schedule SB, line 26—Schedule of Active Participant Data as of June 1, 2019

Number of Participants and Average Compensation

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	3	167 $47,708	7							
25-29	11	209 $49,700	90 $65,098							
30-34	27 $78,014	151 $52,860	101 $61,926	30 $66,087	2					
35-39	42 $86,639	162 $65,173	107 $67,542	61 $71,013	68 $77,973	11				
40-44	25 $94,763	229 $81,893	242 $88,405	60 $70,866	157 $89,336	136 $80,096	5			
45-49	31 $92,980	234 $74,811	362 $92,596	143 $79,924	188 $84,091	263 $91,836	90 $90,675	15		
50-54	15	206 $68,100	255 $82,067	188 $87,796	360 $88,606	312 $100,433	162 $102,349	222 $103,051	11	
55-59	16	140 $69,420	231 $71,702	126 $77,163	407 $91,264	404 $96,346	193 $96,662	397 $106,012	164 $102,257	44 $87,757
60-64	8	79 $61,757	141 $67,580	94 $70,770	298 $85,942	303 $94,025	172 $87,383	313 $108,986	175 $113,448	186 $89,503
65-69	1	23 $61,761	26 $56,376	10	67 $90,855	50 $94,196	24 $69,353	50 $103,917	33 $102,484	51 $103,387
70+		2	3	1	15	22 $80,674	8	5	5	11

N-9,458

Schedule SB Attachment (Form 5500)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 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 2019).
1st Segment Rate	3.74%.
2nd Segment Rate	5.35%.
3rd Segment Rate	6.11%.
Interest Rates for Maximum Tax Purpose	Based on segment rates with a four-month look-back (as of February 2019).
1st Segment Rate	2.60%.
2nd Segment Rate	3.94%.
3rd Segment Rate	4.49%.
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.

For ERISA Requirements	
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 3.21%, 4.26%, and 4.55% 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	Age 62.
Existing Terminated Vested Participants	Age 62. 20% of Terminated Vested Participants over age 90 are assumed to commence payments and 50% of Terminated Vested Participants over age 80 and less than age 90 are assumed to commence payments. An 8.0% load is applied to Legacy PECO participants to account for early retirement subsidies.
Mortality Rates	
Healthy and Disabled	2019 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e).
Withdrawal Rates	See Tables 10–12.
Disability Rates	Legacy PECO and CLARCOR: None. Others: See Tables 13–14.

Surviving Spouse Benefit	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.
Benefit and Compensation Limits	Projected benefits and compensation are limited by the current IRC section 415 maximum benefit of $225,000 and the IRC section 401(a)(17) compensation limit of $280,000.
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	
2017 Plan Year	7.50%, limited to 6.48% for Legacy PECO. 5.50% for 6 months and 6.48% for 6 months for Legacy CLARCOR. 6.65% for 1 month and 6.48% for 11 months for Legacy Parker.
2018 Plan Year	7.00%, limited to 6.29%.
2019 Plan Year	7.00%, limited to 6.11%.
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, 2019.

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, 2020
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:								
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	$ 180,009,719	$ —			$ —	$180,009,719	$ —
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13		220,062,818			220,062,818	220,062,818	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	164,411,046					164,411,046	—
*	EB TEMP INV FD VAR RT 12/31/49 FEE CL 13		164,411,046			164,411,046	164,411,046	—
*	BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	164,411,046					164,411,046	—
*	AON GLOBAL EQUITY PARTICIPANT CUSIP		348,448,895			382,094,247	348,448,895	(33,645,352)
Category (iii) - Series of individual transaction in excess of five percent of beginning plan net assets:								
	COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2051 DD 02/01/21	91,274,273	—			—	91,274,273	—
	COMMIT TO PUR FNMA SF MTG 4.000% 02/01/2051 DD 02/01/21	—	91,388,074			91,269,918	91,388,074	118,156
	COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2050 DD 04/01/20	95,153,490	—			—	95,153,490	—
	COMMIT TO PUR FNMA SF MTG 4.000% 04/01/2050 DD 04/01/20	—	95,754,074			95,153,490	95,754,074	600,584
	COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2050 DD 07/01/20	—	121,704,461			121,869,160	121,704,461	(164,699)
	COMMIT TO PUR FNMA SF MTG 4.000% 07/01/2050 DD 07/01/20	121,869,160	—			—	121,869,160	—
	COMMIT TO PUR FNMA SF MTG 4.000% 10/01/2050 DD 10/01/20	95,357,930	—			—	95,357,930	—
	COMMIT TO PUR FNMA SF MTG 4.000% 10/01/2050 DD 10/01/20	—	95,377,410			95,357,930	95,377,410	19,480
	COMMIT TO PUR FNMA SF MTG 4.000% 11/01/2050 DD 11/01/20	—	103,443,473			103,471,844	103,443,473	(28,371)
	COMMIT TO PUR FNMA SF MTG 4.000% 11/01/2050 DD 11/01/20	103,471,844	—			—	103,471,844	—
	COMMIT TO PUR FNMA SF MTG 4.000% 12/01/2050 DD 12/01/20	—	87,747,236			87,777,117	87,747,236	(29,881)
	COMMIT TO PUR FNMA SF MTG 4.000% 12/01/2050 DD 12/01/20	87,777,117	—			—	87,777,117	—
	COMMIT TO PUR FNMA SF MTG 4.500% 01/01/2051 DD 01/01/21	—	96,062,020			96,075,266	96,062,020	(13,246)
	COMMIT TO PUR FNMA SF MTG 4.500% 01/01/2051 DD 01/01/21	96,075,266	—			—	96,075,266	—
	COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2051 DD 02/01/21	139,304,477	—			—	139,304,477	—
	COMMIT TO PUR FNMA SF MTG 4.500% 02/01/2051 DD 02/01/21	—	139,478,102			139,306,313	139,478,102	171,789
	COMMIT TO PUR FNMA SF MTG 4.500% 08/01/2050 DD 08/01/20	79,894,688	—			—	79,894,688	—
	COMMIT TO PUR FNMA SF MTG 4.500% 08/01/2050 DD 08/01/20	—	80,000,361			79,894,688	80,000,361	105,673
	COMMIT TO PUR FNMA SF MTG 4.500% 09/01/2050 DD 09/01/20	79,998,047	—			—	79,998,047	—
	COMMIT TO PUR FNMA SF MTG 4.500% 09/01/2050 DD 09/01/20	—	80,180,068			79,998,047	80,180,068	182,021
	COMMIT TO PUR FNMA SF MTG 4.500% 10/01/2050 DD 10/01/20	146,813,641	—			—	146,813,641	—
	COMMIT TO PUR FNMA SF MTG 4.500% 10/01/2050 DD 10/01/20	—	147,073,455			146,965,202	147,073,455	108,253

	COMMIT TO PUR FNMA SF MTG 4.500% 11/01/2050 DD 11/01/20	—	128,873,934	128,920,848	128,873,934	(46,914)
	COMMIT TO PUR FNMA SF MTG 4.500% 11/01/2050 DD 11/01/20	128,920,848	—	—	128,920,848	—
	COMMIT TO PUR FNMA SF MTG 4.500% 12/01/2050 DD 12/01/20	—	128,818,775	128,876,703	128,818,775	(57,928)
	COMMIT TO PUR FNMA SF MTG 4.500% 12/01/2050 DD 12/01/20	128,876,703	—	—	128,876,703	—
	PIMCO ALL ASSET FUND-INST	—	174,781,748	182,909,160	174,781,748	(8,127,412)
	PIMCO ALL ASSET FUND-INST	3,249,251	—	—	3,249,251	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	104,812,908	—	—	104,812,908	—
	PIMCO FDS SHORT TERM FLTG NAV PORT II	—	99,700,000	99,682,743	99,700,000	17,257
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	5,664,878	—	—	5,664,878	—
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	200,601,307	—	—	200,601,307	—
	U S TREASURY BOND 4.500% 05/15/2038 DD 05/15/08	—	206,324,438	205,303,344	206,324,438	1,021,094
	U S TREASURY BOND 4.250% 05/15/2039 DD 05/15/09	2,973,978	—	—	2,973,978	—
	U S TREASURY BOND 4.250% 05/15/2039 DD 05/15/09	95,115,709	—	—	95,115,709	—
	U S TREASURY BOND 4.250% 05/15/2039 DD 05/15/09	—	98,122,625	97,483,012	98,122,625	639,613
	U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	19,988,342	—	—	19,988,342	—
	U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	940,275,951	—	—	940,275,951	—
	U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	—	966,616,396	961,239,000	966,616,396	5,377,396
	U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	15,867,646	—	—	15,867,646	—
	U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	641,449,597	—	—	641,449,597	—
	U S TREASURY BOND 4.375% 05/15/2041 DD 05/15/11	—	657,528,700	653,696,726	657,528,700	3,831,974
	U S TREASURY BOND 3.750% 08/15/2041 DD 08/15/11	567,391,580	—	—	567,391,580	—
	U S TREASURY BOND 3.750% 08/15/2041 DD 08/15/11	—	568,957,281	567,391,580	568,957,281	1,565,701
	U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	14,099,361	—	—	14,099,361	—
	U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	732,525,025	—	—	732,525,025	—
	U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	—	739,428,847	736,972,539	739,428,847	2,456,308
	U S TREASURY BOND 3.000% 05/15/2042 DD 05/15/12	1,671,200,939	—	—	1,671,200,939	—
	U S TREASURY BOND 3.000% 05/15/2042 DD 05/15/12	—	1,698,624,227	1,691,961,333	1,698,624,227	6,662,894
	U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	241,294,197	—	—	241,294,197	—
	U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	—	251,632,748	249,056,722	251,632,748	2,576,026
*	U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	457,588,539	—	—	457,588,539	—
*	U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	—	462,095,858	460,164,117	462,095,858	1,931,741
	U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	82,957,183	—	—	82,957,183	—

	U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	—	85,185,187	84,725,475	85,185,187	459,712
	U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	275,719,896	—	—	275,719,896	—
	U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	—	281,285,153	275,719,896	281,285,153	5,565,257
	U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	6,256,594	—	—	6,256,594	—
*	U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	216,076,783	—	—	216,076,783	—
*	U S TREASURY BOND 3.625% 02/15/2044 DD 02/15/14	—	223,022,643	220,055,218	223,022,643	2,967,425
*	U S TREASURY BOND 3.375% 05/15/2044 DD 05/15/14	1,341,418,442	—	—	1,341,418,442	—
*	U S TREASURY BOND 3.375% 05/15/2044 DD 05/15/14	—	1,374,134,647	1,363,773,026	1,374,134,647	10,361,621
	U S TREASURY BOND 3.125% 08/15/2044 DD 08/15/14	1,933,319,581	—	—	1,933,319,581	—
	U S TREASURY BOND 3.125% 08/15/2044 DD 08/15/14	—	1,986,051,655	1,976,933,319	1,986,051,655	9,118,336
	U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	1,268,877,745	—	—	1,268,877,745	—
	U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	—	1,317,318,676	1,303,023,874	1,317,318,676	14,294,802
	U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	90,913,948	—	—	90,913,948	—
	U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	—	93,652,000	93,005,316	93,652,000	646,684
	U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	78,340,143	—	—	78,340,143	—
	U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	—	84,631,135	82,851,707	84,631,135	1,779,428
	U S TREASURY BOND 2.875% 05/15/2049 DD 05/15/19	3,322,918	—	—	3,322,918	—
	U S TREASURY BOND 2.875% 05/15/2049 DD 05/15/19	1,419,420,943	—	—	1,419,420,943	—
	U S TREASURY BOND 2.875% 05/15/2049 DD 05/15/19	—	1,439,194,960	1,437,501,212	1,439,194,960	1,693,748
	U S TREASURY BOND 2.250% 08/15/2049 DD 08/15/19	2,045,716	—	—	2,045,716	—
	U S TREASURY BOND 2.250% 08/15/2049 DD 08/15/19	94,078,703	—	—	94,078,703	—
	U S TREASURY BOND 2.250% 08/15/2049 DD 08/15/19	—	93,555,712	92,837,805	93,555,712	717,907
	U S TREASURY BOND 2.000% 02/15/2050 DD 02/15/20	160,795,946	—	—	160,795,946	—
	U S TREASURY BOND 2.000% 02/15/2050 DD 02/15/20	—	62,283	63,124	62,283	(841)
	U S TREASURY BOND 2.000% 02/15/2050 DD 02/15/20	—	4,944,644,610	4,950,203,408	4,944,644,610	(5,558,798)
	U S TREASURY BOND 2.000% 02/15/2050 DD 02/15/20	4,951,695,913	—	—	4,951,695,913	—
	U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	19,106,324	—	—	19,106,324	—
	U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	322,787,029	—	—	322,787,029	—
	U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	—	350,583,796	347,509,252	350,583,796	3,074,544
	U S TREASURY NOTE 2.625% 02/15/2029 DD 02/15/19	189,850,015	—	—	189,850,015	—
	U S TREASURY NOTE 2.625% 02/15/2029 DD 02/15/19	—	193,175,097	192,985,007	193,175,097	190,090
	U S TREASURY NOTE 1.125% 02/28/2021 DD 02/29/16	7,456,491	—	—	7,456,491	—
	U S TREASURY NOTE 1.125% 02/28/2021 DD 02/29/16	313,038,858	—	—	313,038,858	—

U S TREASURY NOTE 1.125% 02/28/2021 DD 02/29/16	0	320,454,324	320,318,079	320,454,324	136,245
U S TREASURY NOTE 1.375% 05/31/2021 DD 05/31/16	6,984,681	0	0	6,984,681	—
U S TREASURY NOTE 1.375% 05/31/2021 DD 05/31/16	252,356,071	0	0	252,356,071	—
U S TREASURY NOTE 1.375% 05/31/2021 DD 05/31/16	0	259,318,250	259,159,832	259,318,250	158,418
U S TREASURY NOTE 1.125% 07/31/2021 DD 07/31/16	6,675,119	0	0	6,675,119	—
U S TREASURY NOTE 1.125% 07/31/2021 DD 07/31/16	174,663,259	0	0	174,663,259	—
U S TREASURY NOTE 1.125% 07/31/2021 DD 07/31/16	0	181,310,309	181,107,724	181,310,309	202,585
U S TREASURY NOTE 1.500% 02/15/2030 DD 02/15/20	26,216,620	0	0	26,216,620	—
U S TREASURY NOTE 1.500% 02/15/2030 DD 02/15/20	481,933,997	0	0	481,933,997	—
U S TREASURY NOTE 1.500% 02/15/2030 DD 02/15/20	0	482,116,556	481,933,997	482,116,556	182,559
U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	22,536,749	0	0	22,536,749	—
U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	132,134,562	0	0	132,134,562	—
U S TREASURY BD CPN STRIP 0.000% 11/15/2036 DD 08/15/07	0	154,548,750	148,163,453	154,548,750	6,385,297
BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	271,953,517	0	0	271,953,517	—
BNY MELLON CASH RESERVE 0.100% 12/31/2049 DD 06/26/97	0	271,953,517	271,953,517	271,953,517	—
EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	1,532,208,318	0	0	1,532,208,318	—
EB TEMP INV FD VAR RT 12/31/49 FEE CL 13	0	1,488,599,606	1,488,599,606	1,488,599,606	—
DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	0	260,000	260,000	260,000	—
DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	95,280,000	0	0	95,280,000	—
DOM MFA CASH COLL MSC VAR RT 01/01/2049 DD 07/01/08	0	90,935,000	90,935,000	90,935,000	—
AHGT MULTI ASSET CREDIT PARTICIPANT CUSIP	0	60,000,000	61,025,882	60,000,000	(1,025,882)
AHGT MULTI ASSET CREDIT PARTICIPANT CUSIP	180,000,000	0	0	180,000,000	—
AGT GLOBAL REAL ESTATE PARTICIPANT CUSIP	130,000,000	0	0	130,000,000	—
AGT GLOBAL REAL ESTATE PARTICIPANT CUSIP	0	100,000,000	97,070,211	100,000,000	2,929,789
AON GLOBAL EQUITY PARTICIPANT CUSIP	0	356,448,895	389,185,737	356,448,895	(32,736,842)
AON GLOBAL EQUITY PARTICIPANT CUSIP	8,000,000	0	0	8,000,000	—

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

2019

This Form is Open to Public Inspection

For calendar plan year 2019 or fiscal plan year beginning 06/01/2019 and ending 05/31/2020

▶ **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
PARKER HANNIFIN FILTRATION (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 2019

2 Assets:

a Market value	**2a**	3,050,268,810
b Actuarial value	**2b**	3,121,377,926

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	19,158	1,770,726,336	1,770,726,336
b For terminated vested participants	6,406	298,608,825	298,608,825
c For active participants	9,458	860,091,566	888,820,134
d Total	35,022	2,929,426,727	2,958,155,295

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**	5.50%
6 Target normal cost	**6**	68,863,516

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 — 01/26/2021

Signature of actuary — Date

GREGORY H. REYNOLDS — 2006401

Type or print name of actuary — Most recent enrollment number

AON CONSULTING, INC. — 216-621-8100

Firm name — Telephone number (including area code)

MSC#: 17854
P.O. Box 7505
FORT WASHINGTON PA 19034

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	367,631,352
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	65,928,237
9	Amount remaining (line 7 minus line 8)	0	301,703,115
10	Interest on line 9 using prior year's actual return of 2.34%	0	7,059,853
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 5.66%		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	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	308,762,968

Part III Funding Percentages

14	Funding target attainment percentage	**14**	95.08%
15	Adjusted funding target attainment percentage	**15**	105.51%
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**	97.41%
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
		Totals ► 18(b)	0	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**	0

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? [X] Yes [ ] No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? [X] 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
0	0	0	0

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

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
3.74 %	5.35 %	6.11%	☐ 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**	68,863,516
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	158,587,565	31,010,411
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**	99,873,927

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	99,873,927	99,873,927

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**	0

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

a Total (excess, if any, of line 37 over line 36)	**38a**	0
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	0
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

Schedule SB Attachment (Form 5500)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 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

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

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)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 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	58	62.67	0.61%
CLARCOR Participants	366	63.60	3.87%
Hourly Plans with Age 55 Retirement Eligibility	4,752	61.73	50.24%
Hourly Plans with Age 60 Retirement Eligibility	318	63.82	3.36%
Greenville	10	58.66	0.11%
Gresen and Former Snap-Tite Plans	272	64.03	2.88%
NWL Retirement Plan - Less than 30 Years of Service	169	59.51	1.79%
NWL Retirement Plan - Over 30 Years of Service	64	61.09	0.68%
Retirement Plan, Commercial Intertech, and Wynn	3,449	62.26	36.47%
	9,458		
		Weighted Average Retirement Age	62.09

Schedule SB Attachment (Form 5500)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 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 2019).
1st Segment Rate	3.74%.
2nd Segment Rate	5.35%.
3rd Segment Rate	6.11%.
Interest Rates for Maximum Tax Purpose	Based on segment rates with a four-month look-back (as of February 2019).
1st Segment Rate	2.60%.
2nd Segment Rate	3.94%.
3rd Segment Rate	4.49%.
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.

For ERISA Requirements	
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 3.21%, 4.26%, and 4.55% 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	Age 62.
Existing Terminated Vested Participants	Age 62. 20% of Terminated Vested Participants over age 90 are assumed to commence payments and 50% of Terminated Vested Participants over age 80 and less than age 90 are assumed to commence payments. An 8.0% load is applied to Legacy PECO participants to account for early retirement subsidies.
Mortality Rates	
Healthy and Disabled	2019 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e).
Withdrawal Rates	See Tables 10–12.
Disability Rates	Legacy PECO and CLARCOR: None. Others: See Tables 13–14.

Surviving Spouse Benefit	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.
Benefit and Compensation Limits	Projected benefits and compensation are limited by the current IRC section 415 maximum benefit of $225,000 and the IRC section 401(a)(17) compensation limit of $280,000.
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	
2017 Plan Year	7.50%, limited to 6.48% for Legacy PECO. 5.50% for 6 months and 6.48% for 6 months for Legacy CLARCOR. 6.65% for 1 month and 6.48% for 11 months for Legacy Parker.
2018 Plan Year	7.00%, limited to 6.29%.
2019 Plan Year	7.00%, limited to 6.11%.
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, 2019.

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)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 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 or 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 or 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 LORD Salaried Plan

Effective Date	January 1, 1954. Amended and restated as of January 1, 2017.
Participation	All members as of December 31, 2004 shall become participants in this plan. The plan is closed to new hires after December 31, 2004. New hires after December 31, 2004, and members who transfer from the Hourly Employees' Pension Plan (the hourly plan) after that date shall not be members of this plan.
Normal Retirement	
Eligibility	The first of the month coincident with or next following attainment of age 65.
Benefit	A monthly amount equal to the sum of (1), (2) and (3) with minimum benefit of (4) or (5): (1) 1.1% of average earnings with a maximum of covered compensation multiplied by the benefit service to date (maximum 35 years). (2) 1.5% of average earnings in excess of covered compensation multiplied by benefit service to date (maximum 35 years). (3) 1.4% of average earnings multiplied by benefit service to date in excess of 35 years. (4) Accrued benefit as of December 31, 1993 plus (1), (2) and (3) above using benefit service after December 31, 1993 only. (5) Benefit accrued under prior plan formula with a minimum of the benefit the participant would accrue if a participant in the LORD Corporation Hourly Employees' Pension Plan based on service and multiplier as of December 31, 2004. The monthly amount shall not be less than the benefit earned as of August 31, 2002, or the benefit earned as of December 31, 2004.

Early Retirement	
Eligibility	Age 55 and five years of vesting service, or age plus service equals 95.
Benefit	A monthly benefit equal to the normal retirement benefit reduced by 5/12 of 1% for each month the early retirement precedes the normal retirement. No reduction for retirement with 95 points.
Late Retirement	
Eligibility	Retirement after normal retirement age.
Benefit	Accrued benefit as of the late retirement date.
Vested Termination	
Eligibility	Five years of vesting service if terminated before December 31, 2004 and 100% vested for the benefit accrued as of December 31, 2004.
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.
Surviving Spouse	
Benefit	Great of (1) or (2): (1) Refund of contributions with interest; or (2) 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	Five year certain and life annuity.
With Spouse	50% Joint and survivor annuity, actuarially reduced.
Optional Forms of Annuity	Single life annuity, qualified joint and survivor option (50%, 75%, or 100%) and 10 years certain and life; Lump sum if between $5,000 and $10,000.

Definitions

Benefit Service	Prior to January 1, 1976: Service equals years and months of credited service as calculated under prior plan. After January 1, 1976: One year of benefit service is credited if 1,800 or more hours of service are completed. If under 1,800 hours, then one month is credited for each 150 hours and an additional one month is credited if remaining hours are 120 or more. A minimum of one month is credited if any employee contributions were made during the year. Benefit service for Nichols Engineering employees is credited from July 1, 1978. Benefit service for Dayton, Ohio employees is credited from January 1, 1987. Benefit service includes benefit service with the hourly plan. Benefit service is frozen as of December 31, 2004. No additional benefit service will be earned by any participants after this date.
Vesting Service	Prior to January 1, 1976: Continuous service in years and months from date employed. After January 1, 1976: One year of vesting service is credited if 900 or more hours of service are completed. If under 900 hours, then one month is credited for each 150 hours and an additional one month is credited if remaining hours are 120 hours or more. Vesting service prior to July 1, 1978 for Nichols Engineering employees is credited from date of hire. Vesting service after July 1, 1978 is credited according to the previous paragraph. Vesting service prior to January 1, 1987 for Dayton, Ohio is credited from date of hire. Vesting service after January 1, 1987 for these employees is credited according to the paragraph regarding service after January 1, 1976, as stated above. Vesting service includes vesting service with the hourly plan.

Calculation Date	This date is the earliest of termination, death, transfer (to the hourly plan) and: December 31, 2004, for employees who are not eligible float employees. December 31, 2009, for eligible float employees with 10, but not 20, years of vesting service at December 31, 2004. December 31, 2014, for eligible Float employees with 20 or more years of vesting service at December 31, 2004.
Pensionable Pay	All pay through the calculation date. Effective with payouts after December 31, 2004, awards from the long-term incentive plan will be excluded from pensionable pay.
Average Earrings	The greater of the average of the highest five consecutive calendar years of pensionable pay during the 10-year period preceding the calculation date or the average of the 60 months immediately prior to the calculation date.
Covered Compensation	Based on the Social Security Act in effect at date of computation, the average annual earnings subject to Social Security taxes, assuming that the participants earn an amount at least equal to the Social Security taxable wage base for each year until reaching Social Security retirement age.
Normal Retirement Date	The first of the month coincident with or next following attainment of age 65.

Legacy LORD Hourly Plan

Effective Date

January 1, 1954. Amended and restated effective January 1, 2017.

Participation

An hourly employee shall become participant in this plan on his employment date.

Normal Retirement

Eligibility

Age 65.

Benefit

An annual amount equal to years of benefit service earned multiplied by an amount determined in connection with the date of termination of employment as follows:

Termination Date	Amount
Before 3/1/2004	Based on the average earnings
3/1/2004–1/9/2006	$432.00
1/10/2006–1/9/2007	$444.00
1/10/2007–1/9/2008	$456.00
1/10/2008–1/10/2009	$468.00
1/11/2009–1/10/2010	$492.00
1/11/2010–1/10/2011	$504.00
1/11/2011–1/10/2012	$516.00
1/11/2012–1/10/2014	$528.00
1/11/2014–1/10/2015	$552.00
1/11/2015–1/10/2016	$564.00
1/11/2016–1/10/2017	$576.00
1/11/2017–1/10/2018	$588.00
1/11/2018–1/10/2019	$600.00
1/11/2019–1/10/2020	$612.00
1/11/2020+	$624.00

Early Retirement

Eligibility

Age 55 and five years of vesting service, or age plus service equals 95.

Benefit

A monthly benefit equal to the normal retirement benefit reduced by 5/12 of 1% for each month the early retirement precedes the normal retirement. No reduction for retirement with 95 points.

Late Retirement	
Eligibility	Retirement after normal retirement age.
Benefit	Accrued benefit as of the late retirement date.
Vested Termination	
Eligibility	Five years of vesting service if terminated before December 31, 2004 and 100% vested for the benefit accrued as of December 31, 1993.
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 with 10 years of vesting service.
Benefit	The accrued benefit at the date of disability, payable immediately without reductions for early commencement.
Surviving Spouse	
Benefit	Greater of [(1), (2), or (3)] or (4): (1) Refund of contributions with interest. (2) Earnings for 1978. (3) If eligible for early retirement on January 1, 1978—accrued benefit as of January 1, 1978, payable immediately for five years. (4) A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 50% of the amount payable as if the participant had retired early with a 50% joint and survivor benefit.
Normal Form of Annuity	
Without Spouse	Five year certain and life annuity.
With Spouse	50% Joint and survivor annuity, actuarially reduced.
Optional Forms of Annuity	Single life annuity, qualified joint and survivor option (50%, 75%, or 100%) and 10 years certain and life; Lump sum (if the present value of the benefit is less than $10,000).

Definitions

Benefit Service	Prior to January 1, 1979: Benefit service equals years and months of credited service as calculated under prior plan. After to January 1, 1979: One year of benefit service is credited if 1,800 or more hours of service are completed. If under 1,800 hours, then one month is credited for each 150 hours and an additional one month is credited if the remaining hours are 120 or more. Benefit service for former Nichols Engineering employees is credited from July 1, 1978.
Vesting Service	Prior to January 1, 1979: The greater of years and months of credited service as calculated under the previous plan or one year of vesting service for each year during which 1,000 or more hours were completed. After January 1, 1979: One year of vesting service credited on completion of 900 hours or more. Under 900 hours—One month is credited for each 150 hours and an additional month is credited if the remainder is 120 hours or more. Vesting service prior to July 1, 1978 for former employees of Nichols Engineering—Credited with full years and months of continuous employment with Nichols Engineering. Vesting service prior to July 1, 1978 for Nichols Engineering employees is credited from date of hire. Vesting service after July 1, 1978 for these employees is credited according to the previous paragraph. Vesting service includes vesting service with the salaried plan.
Pensionable Pay	Total pay.
Average Earnings	The greater of the average of the highest five consecutive calendar years of pensionable pay during the 10-year period preceding termination.
Normal Retirement Date	The first of the month coincident with or next following attainment of age 65.

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).

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Irvine, CA (Jamboree Blvd.) (00201H, 00203H, 00202H, 00205H)	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
	04-01-17	04-01-18	39.50	40
	04-01-19	03-31-20	39.50	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
	08-01-18	08-01-19	33.00	40
	08-01-19		33.50	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	10-01-98	10-01-99	$19.50	Unlimited
	10-01-99	10-01-00	20.00	Unlimited
	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
	10-01-18	09-30-18	34.00	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	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
	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
	07-01-17	07-01-18	36.50	40
	07-01-19		37.00	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	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
	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
	09-01-19		31.50	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	04-01-15	04-01-16	$32.50	35
	04-01-16	04-01-18	33.00	35
	04-01-19	03-31-20	33.50	35
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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	11-01-15	11-01-16	$31.50	35
	11-01-16	11-01-17	32.00	35
	11-01-16	11-01-18	32.50	40
	11-01-18	10-31-19	33.00	40
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
	07-01-19	06-30-20	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
	03-01-18	03-01-19	33.00	40
	03-01-19	02-28-20	33.50	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
	03-01-18	03-01-19	32.50	40
	03-01-19	02-28-20	33.00	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
	07-01-18	07-01-19	23.15	30
	07-01-19		24.15	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
	11-01-18	10-31-19	31.75	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
	03-01-18	03-01-19	31.00	35
	03-01-19	02-28-20	31.50	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
	07-01-18	07-01-19	36.50	40
	07-01-19		37.00	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
	05-01-19	04-30-20	29.00	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
	02-01-19	01-31-20	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
	11-01-18	10-31-19	31.50	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
	01-01-18	01-01-19	27.00	30
	01-01-19	12-31-19	27.00	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
	11-01-17	11-01-18	23.00	30
	11-01-18	10-31-19	23.00	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
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
	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
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
	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	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
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
	07-01-18-	07-01-19	36.50	40
	07-01-19		37.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
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
	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
	07-01-18	07-01-19	32.50	40
	07-01-19		33.00	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	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
	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
	01-01-18	01-01-19	27.00	35
	01-01-19	12-31-19	27.00	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
	06-01-17	06-01-18	30.00	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
	12-01-18	11-30-19	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
	05-01-18	05-01-19	32.00	40
	05-01-19	04-30-20	32.50	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	09-01-12	09-01-13	$27.00	35
	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
	09-01-18	09-01-19	31.50	35
	09-01-19		32.00	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
	02-01-18	02-01-19	31.00	35
	02-01-19	01-31-20	31.50	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
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
	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
After 09-01-18	31.00	Unlimited
After 09-01-19	31.50	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
	07-01-2019		22.50	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
	01-01-18	01-01-19	21.25	25
	01-01-19	12-31-19	22.25	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
	04-01-18	04-01-19	30.00	32
	04-01-19	03-31-20	31.00	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
	09-01-18	09-01-19	31.00	35
	09-01-19		31.50	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
	12-01-18	11-30-19	28.00	Unlimited
	12-01-19		29.00	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	10-01-14	10-01-15	$25.00	Unlimited
	10-01-15	10-01-16	26.00	Unlimited
	10-01-16	10-01-17	27.00	Unlimited
	10-01-17	10-01-18	28.00	Unlimited
	10-01-19		29.00	Unlimited
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
	05-01-16	05-01-17	24.50	Unlimited
	05-01-19	04-30-20	25.00	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
	10-01-16	10-01-17	28.00	Unlimited
	10-01-17	10-01-18	29.00	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.

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.

Disability Retirement

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

[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.

	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.

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.

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.

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.

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[1]	30
09-28-85	01-01-88	8.00[2]	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.

[1] 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.

[2] 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.

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.

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[1]
11-01-87	11-06-88	$13.00[2]
11-06-88	11-06-89	$13.75[3]
11-06-89	11-05-90	$14.25[4]

[1] 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.
[2] 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.
[3] 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.
[4] 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.

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[1]
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

[1] 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.

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.

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[1]
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[2]
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.

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

[1] $2.00 benefit unit for service before April 1, 1967.
[2] 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.

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.

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 [1]
05-01-93	05-01-94	$13.50 [1]
05-01-94	05-01-95	$14.25 [1]

[1] 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

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.

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.

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.

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.

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 non-union 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.

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.

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.

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.

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
07-30-19		$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.

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.

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.

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
April 2018		$26.25
March 2019		$26.25
March 2020		$26.50
March 2021		$26.75

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.

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
01-01-18	01-01-19	$25.50
01-01-19	12-31-19	$25.50
01-01-20	12-31-20	$26.00
01-01-21	12-31-21	$26.50

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.

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
06-17-18	06-17-19	$33.50
06-13-19	06-12-20	$34.00
06-13-20	06-12-21	$34.20
06-13-21	06-12-22	$34.40

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.

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.

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.

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.

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 Non-Contributory 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.

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.

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.

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.

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 valuation reflects the following plan changes:

- 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, 2019 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.
- An increase in the annual maximum benefit limit under IRC section 415 from $220,000 to $225,000.
- An increase in the annual pay limit under IRC Section 401(a)(17) from $275,000 to $280,000.
- The LORD Corporation Hourly Employees' Pension Plan and the LORD Corporation Salaried Employees' Pension Plan were merged into the Parker-Hannifin Consolidated Pension Plan – A on December 31, 2019.
- 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.

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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.

Plan Mergers

The following mergers occurred during the 2019 plan year:

- LORD Corporation Salaried Employees' Pension Plan (EIN: 25-0626921; PN: 001) ("LORD Salaried") was merged into the Parker-Hannifin Consolidated Pension Plan – A (EIN: 26-1200603; PN 001) effective as of the close of December 31, 2019.
- LORD Corporation Hourly Employees' Pension Plan (EIN: 25-0626921; PN: 002) ("LORD Hourly") was merged into the Parker-Hannifin Consolidated Pension Plan – A (EIN: 26-1200603; PN 001) effective as of the close of December 31, 2019.

Approval for a funding method change is being requested for the 2019 plan year due to the plan mergers. Details of the proposed funding method changes can be found in the Line 25 attachment. This Schedule SB has been completed using the proposed funding methods.

The following line items have been adjusted on the 2019 Schedule SB to reflect the mergers:

- Line 6, Target normal cost.
- Line 31 (a), Target normal cost.
- Line 32 (a), Net shortfall amortization installment.
- 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.

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Lines 6, 31 (a), 32 (a), 34, and 35 were developed as follows:

	Parker-Hannifin Plan A (full year)	LORD Salaried (from 1/1/20 to 5/31/20)	LORD Hourly (from 1/1/20 to 5/31/20)	Total Shown on 2019 SB
Target Normal Cost, Line 6 and Line 31 (a)	68,085,814	368,109	409,593	68,863,516
Outstanding Balance of Shortfall Amortizations, Line 32 (a)	145,540,337	10,583,022	2,464,206	158,587,565
Shortfall Amortization Installment, Line 32 (a)	29,512,943	1,200,222	297,246	31,010,411
Total Funding Requirement, Line 34	97,598,757	1,568,331	706,839	99,873,927
Balances Elected for use to offset funding requirement, Line 35	97,598,757	1,568,331	706,839	99,873,927

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Schedule SB, line 24—Change in Actuarial Assumptions

The funding valuation reflects the following non-prescribed assumption change:

- A change in the TV commencement assumption from 100% of TVs over age 80 will commence payments to 20% of TVs over age 90 will commence payments and 50% of TVs over age 80 will commence payments.

The changes were made to better reflect anticipated plan experience. The funding assumption change did not reduce the funding shortfall more than the thresholds stated under section 430(h)(5), so approval of the Commissioner is not required.

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Schedule SB, line 25—Change in Method

The funding valuation reflects the following method changes that are being requested for approval:

Following the mergers, the funding methods for the Parker-Hannifin Consolidated Pension Plan - A are the same methods of the Parker-Hannifin Consolidated Pension Plan - A 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.
  - A value of plan assets will be calculated as of January 1, 2020 for each of the plans merging in and used to determine results from January 1, 2020 to May 21, 2020.
  - As of June 1, 2020, 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.
- The Prefunding Balance will be brought forward with the rate of return on assets for the merged plan from December 31, 2019 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, 2020.
- 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.

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Schedule SB, line 26—Schedule of Active Participant Data as of June 1, 2019

Number of Participants and Average Compensation

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	3	167 $47,708	7							
25-29	11	209 $49,700	90 $65,098							
30-34	27 $78,014	151 $52,860	101 $61,926	30 $66,087	2					
35-39	42 $86,639	162 $65,173	107 $67,542	61 $71,013	68 $77,973	11				
40-44	25 $94,763	229 $81,893	242 $88,405	60 $70,866	157 $89,336	136 $80,096	5			
45-49	31 $92,980	234 $74,811	362 $92,596	143 $79,924	188 $84,091	263 $91,836	90 $90,675	15		
50-54	15	206 $68,100	255 $82,067	188 $87,796	360 $88,606	312 $100,433	162 $102,349	222 $103,051	11	
55-59	16	140 $69,420	231 $71,702	126 $77,163	407 $91,264	404 $96,346	193 $96,662	397 $106,012	164 $102,257	44 $87,757
60-64	8	79 $61,757	141 $67,580	94 $70,770	298 $85,942	303 $94,025	172 $87,383	313 $108,986	175 $113,448	186 $89,503
65-69	1	23 $61,761	26 $56,376	10	67 $90,855	50 $94,196	24 $69,353	50 $103,917	33 $102,484	51 $103,387
70+		2	3	1	15	22 $80,674	8	5	5	11

N-9,458

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Schedule SB, line 32—Schedule of Amortization Bases

LORD Corporation Salaried Employees' Pension Plan as of January 1, 2020

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment	Prorated Amortization Installment
Shortfall	$ 8,739,066	January 1, 2017	4	$ 2,306,527	$ 961,053
Shortfall	$ 1,712,292	January 1, 2018	5	$ 368,057	$ 153,357
Shortfall	$ 8,420,496	January 1, 2019	6	$ 1,552,782	$ 646,993
Shortfall	$ (8,288,832)	January 1, 2020	7	$ (1,346,834)	$ (561,181)
Total	$ 10,583,022			$ 2,880,532	$ 1,200,222

LORD Corporation Hourly Employees' Pension Plan as of January 1, 2020

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment	Prorated Amortization Installment
Shortfall	$ 2,716,187	January 1, 2017	4	$ 716,891	$ 298,705
Shortfall	$ 407,411	January 1, 2018	5	$ 87,573	$ 36,489
Shortfall	$ 733,169	January 1, 2019	6	$ 135,200	$ 56,333
Shortfall	$ (1,392,561)	January 1, 2020	7	$ (226,274)	$ (94,281)
Total	$ 2,464,206			$ 713,390	$ 297,246

Parker-Hannifin Consolidated Pension Plan – A as of June 1, 2019 (Prior to Merger Adjustments)

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment
Shortfall	$ 2,770,001	June 1, 2015	3	$ 957,436
Shortfall	$ 22,014,400	June 1, 2016	4	$ 5,810,324
Shortfall	$ 77,459,714	June 1, 2017	5	$ 16,649,954
Shortfall	$ (42,883,028)	June 1, 2018	6	$ (7,907,847)
Shortfall	$ 86,179,250	June 1, 2019	7	$ 14,003,076
Total	$ 145,540,337			$ 29,512,943

Total Parker-Hannifin Consolidated Pension Plan – A (After Merger Adjustments)

Present Value of Installment	Amortization Installment
$ 158,587,565	$ 31,010,411

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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

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

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

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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	58	62.67	0.61%
CLARCOR Participants	366	63.60	3.87%
Hourly Plans with Age 55 Retirement Eligibility	4,752	61.73	50.24%
Hourly Plans with Age 60 Retirement Eligibility	318	63.82	3.36%
Greenville	10	58.66	0.11%
Gresen and Former Snap-Tite Plans	272	64.03	2.88%
NWL Retirement Plan - Less than 30 Years of Service	169	59.51	1.79%
NWL Retirement Plan - Over 30 Years of Service	64	61.09	0.68%
Retirement Plan, Commercial Intertech, and Wynn	3,449	62.26	36.47%
	9,458		
		Weighted Average Retirement Age	62.09

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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 or 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 or 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 LORD Salaried Plan

Effective Date	January 1, 1954. Amended and restated as of January 1, 2017.
Participation	All members as of December 31, 2004 shall become participants in this plan. The plan is closed to new hires after December 31, 2004. New hires after December 31, 2004, and members who transfer from the Hourly Employees' Pension Plan (the hourly plan) after that date shall not be members of this plan.
Normal Retirement	
Eligibility	The first of the month coincident with or next following attainment of age 65.
Benefit	A monthly amount equal to the sum of (1), (2) and (3) with minimum benefit of (4) or (5): (1) 1.1% of average earnings with a maximum of covered compensation multiplied by the benefit service to date (maximum 35 years). (2) 1.5% of average earnings in excess of covered compensation multiplied by benefit service to date (maximum 35 years). (3) 1.4% of average earnings multiplied by benefit service to date in excess of 35 years. (4) Accrued benefit as of December 31, 1993 plus (1), (2) and (3) above using benefit service after December 31, 1993 only. (5) Benefit accrued under prior plan formula with a minimum of the benefit the participant would accrue if a participant in the LORD Corporation Hourly Employees' Pension Plan based on service and multiplier as of December 31, 2004. The monthly amount shall not be less than the benefit earned as of August 31, 2002, or the benefit earned as of December 31, 2004.

Early Retirement	
Eligibility	Age 55 and five years of vesting service, or age plus service equals 95.
Benefit	A monthly benefit equal to the normal retirement benefit reduced by 5/12 of 1% for each month the early retirement precedes the normal retirement. No reduction for retirement with 95 points.
Late Retirement	
Eligibility	Retirement after normal retirement age.
Benefit	Accrued benefit as of the late retirement date.
Vested Termination	
Eligibility	Five years of vesting service if terminated before December 31, 2004 and 100% vested for the benefit accrued as of December 31, 2004.
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.
Surviving Spouse	
Benefit	Great of (1) or (2): (1) Refund of contributions with interest; or (2) 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	Five year certain and life annuity.
With Spouse	50% Joint and survivor annuity, actuarially reduced.
Optional Forms of Annuity	Single life annuity, qualified joint and survivor option (50%, 75%, or 100%) and 10 years certain and life; Lump sum if between $5,000 and $10,000.

Definitions

Benefit Service	Prior to January 1, 1976: Service equals years and months of credited service as calculated under prior plan. After January 1, 1976: One year of benefit service is credited if 1,800 or more hours of service are completed. If under 1,800 hours, then one month is credited for each 150 hours and an additional one month is credited if remaining hours are 120 or more. A minimum of one month is credited if any employee contributions were made during the year. Benefit service for Nichols Engineering employees is credited from July 1, 1978. Benefit service for Dayton, Ohio employees is credited from January 1, 1987. Benefit service includes benefit service with the hourly plan. Benefit service is frozen as of December 31, 2004. No additional benefit service will be earned by any participants after this date.
Vesting Service	Prior to January 1, 1976: Continuous service in years and months from date employed. After January 1, 1976: One year of vesting service is credited if 900 or more hours of service are completed. If under 900 hours, then one month is credited for each 150 hours and an additional one month is credited if remaining hours are 120 hours or more. Vesting service prior to July 1, 1978 for Nichols Engineering employees is credited from date of hire. Vesting service after July 1, 1978 is credited according to the previous paragraph. Vesting service prior to January 1, 1987 for Dayton, Ohio is credited from date of hire. Vesting service after January 1, 1987 for these employees is credited according to the paragraph regarding service after January 1, 1976, as stated above. Vesting service includes vesting service with the hourly plan.

Calculation Date	This date is the earliest of termination, death, transfer (to the hourly plan) and: December 31, 2004, for employees who are not eligible float employees. December 31, 2009, for eligible float employees with 10, but not 20, years of vesting service at December 31, 2004. December 31, 2014, for eligible Float employees with 20 or more years of vesting service at December 31, 2004.
Pensionable Pay	All pay through the calculation date. Effective with payouts after December 31, 2004, awards from the long-term incentive plan will be excluded from pensionable pay.
Average Earrings	The greater of the average of the highest five consecutive calendar years of pensionable pay during the 10-year period preceding the calculation date or the average of the 60 months immediately prior to the calculation date.
Covered Compensation	Based on the Social Security Act in effect at date of computation, the average annual earnings subject to Social Security taxes, assuming that the participants earn an amount at least equal to the Social Security taxable wage base for each year until reaching Social Security retirement age.
Normal Retirement Date	The first of the month coincident with or next following attainment of age 65.

Legacy LORD Hourly Plan

Effective Date

January 1, 1954. Amended and restated effective January 1, 2017.

Participation

An hourly employee shall become participant in this plan on his employment date.

Normal Retirement

Eligibility

Age 65.

Benefit

An annual amount equal to years of benefit service earned multiplied by an amount determined in connection with the date of termination of employment as follows:

Termination Date	Amount
Before 3/1/2004	Based on the average earnings
3/1/2004–1/9/2006	$432.00
1/10/2006–1/9/2007	$444.00
1/10/2007–1/9/2008	$456.00
1/10/2008–1/10/2009	$468.00
1/11/2009–1/10/2010	$492.00
1/11/2010–1/10/2011	$504.00
1/11/2011–1/10/2012	$516.00
1/11/2012–1/10/2014	$528.00
1/11/2014–1/10/2015	$552.00
1/11/2015–1/10/2016	$564.00
1/11/2016–1/10/2017	$576.00
1/11/2017–1/10/2018	$588.00
1/11/2018–1/10/2019	$600.00
1/11/2019–1/10/2020	$612.00
1/11/2020+	$624.00

Early Retirement

Eligibility

Age 55 and five years of vesting service, or age plus service equals 95.

Benefit

A monthly benefit equal to the normal retirement benefit reduced by 5/12 of 1% for each month the early retirement precedes the normal retirement. No reduction for retirement with 95 points.

Late Retirement	
Eligibility	Retirement after normal retirement age.
Benefit	Accrued benefit as of the late retirement date.
Vested Termination	
Eligibility	Five years of vesting service if terminated before December 31, 2004 and 100% vested for the benefit accrued as of December 31, 1993.
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 with 10 years of vesting service.
Benefit	The accrued benefit at the date of disability, payable immediately without reductions for early commencement.
Surviving Spouse	
Benefit	Greater of [(1), (2), or (3)] or (4): (1) Refund of contributions with interest. (2) Earnings for 1978. (3) If eligible for early retirement on January 1, 1978—accrued benefit as of January 1, 1978, payable immediately for five years. (4) A monthly benefit payable to the surviving spouse beginning at the employee's earliest retirement age equal to 50% of the amount payable as if the participant had retired early with a 50% joint and survivor benefit.
Normal Form of Annuity	
Without Spouse	Five year certain and life annuity.
With Spouse	50% Joint and survivor annuity, actuarially reduced.
Optional Forms of Annuity	Single life annuity, qualified joint and survivor option (50%, 75%, or 100%) and 10 years certain and life; Lump sum (if the present value of the benefit is less than $10,000).

Definitions

Benefit Service	Prior to January 1, 1979: Benefit service equals years and months of credited service as calculated under prior plan. After to January 1, 1979: One year of benefit service is credited if 1,800 or more hours of service are completed. If under 1,800 hours, then one month is credited for each 150 hours and an additional one month is credited if the remaining hours are 120 or more. Benefit service for former Nichols Engineering employees is credited from July 1, 1978.
Vesting Service	Prior to January 1, 1979: The greater of years and months of credited service as calculated under the previous plan or one year of vesting service for each year during which 1,000 or more hours were completed. After January 1, 1979: One year of vesting service credited on completion of 900 hours or more. Under 900 hours—One month is credited for each 150 hours and an additional month is credited if the remainder is 120 hours or more. Vesting service prior to July 1, 1978 for former employees of Nichols Engineering—Credited with full years and months of continuous employment with Nichols Engineering. Vesting service prior to July 1, 1978 for Nichols Engineering employees is credited from date of hire. Vesting service after July 1, 1978 for these employees is credited according to the previous paragraph. Vesting service includes vesting service with the salaried plan.
Pensionable Pay	Total pay.
Average Earnings	The greater of the average of the highest five consecutive calendar years of pensionable pay during the 10-year period preceding termination.
Normal Retirement Date	The first of the month coincident with or next following attainment of age 65.

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).

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
Irvine, CA (Jamboree Blvd.) (00201H, 00203H, 00202H, 00205H)	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
	04-01-17	04-01-18	39.50	40
	04-01-19	03-31-20	39.50	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
	08-01-18	08-01-19	33.00	40
	08-01-19		33.50	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	10-01-98	10-01-99	$19.50	Unlimited
	10-01-99	10-01-00	20.00	Unlimited
	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
	10-01-18	09-30-18	34.00	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	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
	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
	07-01-17	07-01-18	36.50	40
	07-01-19		37.00	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	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
	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
	09-01-19		31.50	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	04-01-15	04-01-16	$32.50	35
	04-01-16	04-01-18	33.00	35
	04-01-19	03-31-20	33.50	35
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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	11-01-15	11-01-16	$31.50	35
	11-01-16	11-01-17	32.00	35
	11-01-16	11-01-18	32.50	40
	11-01-18	10-31-19	33.00	40
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
	07-01-19	06-30-20	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
	03-01-18	03-01-19	33.00	40
	03-01-19	02-28-20	33.50	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
	03-01-18	03-01-19	32.50	40
	03-01-19	02-28-20	33.00	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
	07-01-18	07-01-19	23.15	30
	07-01-19		24.15	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
	11-01-18	10-31-19	31.75	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
	03-01-18	03-01-19	31.00	35
	03-01-19	02-28-20	31.50	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
	07-01-18	07-01-19	36.50	40
	07-01-19		37.00	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
	05-01-19	04-30-20	29.00	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
	02-01-19	01-31-20	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
	11-01-18	10-31-19	31.50	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
	01-01-18	01-01-19	27.00	30
	01-01-19	12-31-19	27.00	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
	11-01-17	11-01-18	23.00	30
	11-01-18	10-31-19	23.00	30

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
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
	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
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
	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	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
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
	07-01-18-	07-01-19	36.50	40
	07-01-19		37.00	40

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
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
	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
	07-01-18	07-01-19	32.50	40
	07-01-19		33.00	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	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
	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
	01-01-18	01-01-19	27.00	35
	01-01-19	12-31-19	27.00	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
	06-01-17	06-01-18	30.00	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
	12-01-18	11-30-19	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
	05-01-18	05-01-19	32.00	40
	05-01-19	04-30-20	32.50	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	09-01-12	09-01-13	$27.00	35
	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
	09-01-18	09-01-19	31.50	35
	09-01-19		32.00	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
	02-01-18	02-01-19	31.00	35
	02-01-19	01-31-20	31.50	35

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
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
	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
After 09-01-18	31.00	Unlimited
After 09-01-19	31.50	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
	07-01-2019		22.50	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
	01-01-18	01-01-19	21.25	25
	01-01-19	12-31-19	22.25	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
	04-01-18	04-01-19	30.00	32
	04-01-19	03-31-20	31.00	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
	09-01-18	09-01-19	31.00	35
	09-01-19		31.50	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
	12-01-18	11-30-19	28.00	Unlimited
	12-01-19		29.00	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

	Date of Retirement			Maximum
	On or After	But Before	Benefit Unit	Years of Participation
	10-01-14	10-01-15	$25.00	Unlimited
	10-01-15	10-01-16	26.00	Unlimited
	10-01-16	10-01-17	27.00	Unlimited
	10-01-17	10-01-18	28.00	Unlimited
	10-01-19		29.00	Unlimited
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
	05-01-16	05-01-17	24.50	Unlimited
	05-01-19	04-30-20	25.00	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
	10-01-16	10-01-17	28.00	Unlimited
	10-01-17	10-01-18	29.00	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.

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.

Disability Retirement

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

[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.

	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.

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.

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.

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.

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[1]	30
09-28-85	01-01-88	8.00[2]	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.

[1] 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.

[2] 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.

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.

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[1]
11-01-87	11-06-88	$13.00[2]
11-06-88	11-06-89	$13.75[3]
11-06-89	11-05-90	$14.25[4]

[1] 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.
[2] 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.
[3] 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.
[4] 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.

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[1]
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

[1] 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.

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.

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[1]
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[2]
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.

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

[1] $2.00 benefit unit for service before April 1, 1967.
[2] 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.

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.

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 [1]
05-01-93	05-01-94	$13.50 [1]
05-01-94	05-01-95	$14.25 [1]

[1] 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

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.

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.

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.

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.

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 non-union 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.

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.

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 lntertech)	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.

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.

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
07-30-19		$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.

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.

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.

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
April 2018		$26.25
March 2019		$26.25
March 2020		$26.50
March 2021		$26.75

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.

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
	01-01-18	01-01-19	$25.50
	01-01-19	12-31-19	$25.50
	01-01-20	12-31-20	$26.00
	01-01-21	12-31-21	$26.50

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.

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
06-17-18	06-17-19	$33.50
06-13-19	06-12-20	$34.00
06-13-20	06-12-21	$34.20
06-13-21	06-12-22	$34.40

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.

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.

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.

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 I/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.

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 Non-Contributory 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.

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.

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.

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.

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 valuation reflects the following plan changes:

- 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, 2019 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.
- An increase in the annual maximum benefit limit under IRC section 415 from $220,000 to $225,000.
- An increase in the annual pay limit under IRC Section 401(a)(17) from $275,000 to $280,000.
- The LORD Corporation Hourly Employees' Pension Plan and the LORD Corporation Salaried Employees' Pension Plan were merged into the Parker-Hannifin Consolidated Pension Plan – A on December 31, 2019.
- 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)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 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.

Plan Mergers

The following mergers occurred during the 2019 plan year:

- LORD Corporation Salaried Employees' Pension Plan (EIN: 25-0626921; PN: 001) ("LORD Salaried") was merged into the Parker-Hannifin Consolidated Pension Plan – A (EIN: 26-1200603; PN 001) effective as of the close of December 31, 2019.
- LORD Corporation Hourly Employees' Pension Plan (EIN: 25-0626921; PN: 002) ("LORD Hourly") was merged into the Parker-Hannifin Consolidated Pension Plan – A (EIN: 26-1200603; PN 001) effective as of the close of December 31, 2019.

Approval for a funding method change is being requested for the 2019 plan year due to the plan mergers. Details of the proposed funding method changes can be found in the Line 25 attachment. This Schedule SB has been completed using the proposed funding methods.

The following line items have been adjusted on the 2019 Schedule SB to reflect the mergers:

- Line 6, Target normal cost.
- Line 31 (a), Target normal cost.
- Line 32 (a), Net shortfall amortization installment.
- 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.

Schedule SB Attachment (Form 5500)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 PN: 001

Lines 6, 31 (a), 32 (a), 34, and 35 were developed as follows:

	Parker-Hannifin Plan A (full year)	LORD Salaried (from 1/1/20 to 5/31/20)	LORD Hourly (from 1/1/20 to 5/31/20)	Total Shown on 2019 SB
Target Normal Cost, Line 6 and Line 31 (a)	68,085,814	368,109	409,593	68,863,516
Outstanding Balance of Shortfall Amortizations, Line 32 (a)	145,540,337	10,583,022	2,464,206	158,587,565
Shortfall Amortization Installment, Line 32 (a)	29,512,943	1,200,222	297,246	31,010,411
Total Funding Requirement, Line 34	97,598,757	1,568,331	706,839	99,873,927
Balances Elected for use to offset funding requirement, Line 35	97,598,757	1,568,331	706,839	99,873,927

Parker-Hannifin Consolidated Pension Plan - A
Schedule H, Line 4(i) – Schedule of Assets (Held at End of Year)
May 31, 2020
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; VAR RT 12/31/49 FEE CL 13; INVESTMENT FUND	$ 168,985,510	$ 168,985,510
*	CASH	CASH/CASH EQUIV; 01/01/49 DD 07/01/08	3,169,000	3,169,000
*	CASH	CASH/CASH EQUIV; VAR RT 10/26/20 DD 10/09/18 INVESTMENT FUND	300,000	300,540
*	CASH	US TREASURY BILL	7,314,729	7,314,729
*	CASH	CASH/CASH EQUIV; US (MOSTLY INVESTMENT FUNDS) & FOREIGN	6,618,999	6,619,486
*	PARKER-HANNIFIN CORP	EQUITY SEC; No. of SHARES - 1,329,495	19,135,336	239,269,215
	ISHARES CORE MSCI EAFE ETF	MUTUAL FUND; No. of SHARES - 550,963	30,912,399	30,870,457
	ISHARES CORE MSCI EMERGING	MUTUAL FUND; No. of SHARES - 275,517	12,506,577	12,409,286
	ISHARES CORE S&P 500 ETF	MUTUAL FUND; No. of SHARES - 205,500	56,123,244	62,714,490
	S & P 500 INDEX (SPX)	MUTUAL FUND; No. of SHARES - (302)	(722,847)	(1,233,674)
	PIMCO FDS PAC INVT MGMT	MUTUAL FUND; No. of SHARES - 572,947	7,035,954	7,064,441
	PIMCO FDS LONG DURATION	MUTUAL FUND; No. of SHARES - 18,900,936	220,930,071	246,090,187
*	AON GLOBAL EQUITY PARTICIPANT	CCT; No. of SHARES - 26,611,781	348,614,331	372,032,699
	RUSSELL SMALL/MID CAP (R) INDEX	CCT; No. of SHARES - 1,261,590	73,452,275	70,802,937
	SSGA GLOBAL EQUITY EX USA	CCT; No. of SHARES - 38,276,125	393,799,428	376,062,927
	S&P 500 (R) INDX NL SF CL A	CCT; No. of SHARES - 3,385,421	193,206,312	211,219,801
	AHGT MULTI ASSET CREDIT	CCT; No. of SHARES - 20,868,039	340,974,118	335,600,756
	AGT GLOBAL REAL ESTATE	CCT; No. of SHARES - 1,555,105	32,929,789	28,649,549
	VENTAS LIFE SCIENCE AND HEALTHCARE REAL ESTATE FUND LP	CCT; No. of SHARES - 12,658	12,658,227	12,491,839
	CORTLAND GROWTH AND INCOME LP	CCT; No. of SHARES - 17,801	20,387,030	20,101,080
	CLARION LION PROPERTIES FUND	CCT; No. of SHARES - 72,242	110,863,474	112,480,592
*	PRISA LP	CCT; No. of SHARES - 63,689	110,892,007	112,830,978
*	MFB NT COLLECTIVE MSCI EMERGING MARKETS FUND-NON LENDING	CCT; No. of SHARES - 55,839	8,043,515	9,203,231
*	NTCC INTL EQUITY NL FUND FEBT	CCT; No. of SHARES - 268,143	40,258,862	44,963,815
*	MFB NT COLLECTIVE RUSSELL 1000 INDEX FUND - NON LENDING	CCT; No. of SHARES - 1,944,600	47,569,140	68,920,509
*	NTCC SMALL CAP FD FEBT	CCT; No. of SHARES - 14,866	10,105,288	9,550,801
*	MFB NT COLLECTIVE LONG-TERM GOVT BD INDEX FUND-NON-LENDING	CCT; No. of SHARES - 675,510	31,821,707	47,812,595
*	CF BLACKROCK LONG DURATION CORP CR SCREENED NON-LENDING FUND	CCT; No. of SHARES - 4,036,201	56,091,179	83,684,515
	ENTRUST CLASS X SERIES	LIMITED PARTNERSHIP; No. of SHARES - 25,546	2,554,621	2,216,868
	VFNC TRUST PROM NOTE C-11 144A	MISCELLANEOUS; No. of SHARES - 3,067,652	2,710,615	326,174

US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 1.750% 01/15/2028 DD 01/15/08; No. of SHARES - 480,422	525,845	564,010
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 2.500% 01/15/2029 DD 01/15/09; No. of SHARES - 1,695,736	2,138,721	2,135,711
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 1.375% 02/15/2044 DD 02/15/14; No. of SHARES - 440,044	594,528	589,294
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.875% 02/15/2047 DD 02/15/17; No. of SHARES - 320,805	344,787	400,823
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 1.000% 02/15/2048 DD 02/15/18; No. of SHARES - 1,247,652	1,641,995	1,615,348
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.375% 07/15/2027 DD 07/15/17; No. of SHARES - 629,842	671,634	672,022
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.500% 01/15/2028 DD 01/15/18; No. of SHARES - 1,871,790	2,013,338	2,015,750
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.875% 01/15/2029 DD 01/15/19; No. of SHARES - 1,797,258	2,016,035	2,007,429
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.250% 07/15/2029 DD 07/15/19; No. of SHARES - 131,190	133,797	140,547
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.625% 01/15/2026 DD 01/15/16; No. of SHARES - 152,092	150,973	161,590
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.375% 01/15/2027 DD 01/15/17; No. of SHARES - 53,431	54,350	56,526
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.125% 04/15/2022 DD 04/15/17; No. of SHARES - 742,994	738,140	744,473
US TREAS-CPI INFLATION	FIXED INCOME; GOVT; 0.750% 07/15/2028 DD 07/15/18; No. of SHARES - 4,970,645	5,493,111	5,496,590
U S TREASURY BD CPN STRIP	FIXED INCOME; GOVT; 0.000% 02/15/2035 DD 02/15/06; No. of SHARES - 6,300,000	5,395,660	5,390,595
U S TREASURY BD CPN STRIP	FIXED INCOME; GOVT; 0.000% 05/15/2034 DD 08/15/07; No. of SHARES - 5,600,000	3,887,244	4,856,992
U S TREASURY BD CPN STRIP	FIXED INCOME; GOVT; 0.000% 11/15/2036 DD 08/15/07; No. of SHARES - 27,000,000	22,402,496	22,374,090
U S TREASURY BD PRIN STRIP	FIXED INCOME; GOVT; 0.000% 08/15/2040 DD 08/16/10; No. of SHARES - 60,000	25,497	46,732
U S TREASURY BOND	FIXED INCOME; GOVT; 4.375% 02/15/2038 DD 02/15/08; No. of SHARES - 250,000	307,251	388,975
U S TREASURY BOND	FIXED INCOME; GOVT; 4.500% 05/15/2038 DD 05/15/08; No. of SHARES - 3,600,000	5,664,878	5,684,220
U S TREASURY BOND	FIXED INCOME; GOVT; 4.250% 05/15/2039 DD 05/15/09; No. of SHARES - 1,900,000	2,973,978	2,940,991
U S TREASURY BOND	FIXED INCOME; GOVT; 4.500% 08/15/2039 DD 08/15/09; No. of SHARES - 1,400,000	2,256,531	2,230,102
U S TREASURY BOND	FIXED INCOME; GOVT; 4.375% 05/15/2040 DD 05/15/10; No. of SHARES - 560,000	892,668	885,674
U S TREASURY BOND	FIXED INCOME; GOVT; 3.875% 08/15/2040 DD 08/15/10; No. of SHARES - 330,000	503,192	491,598
U S TREASURY BOND	FIXED INCOME; GOVT; 4.250% 11/15/2040 DD 11/15/10; No. of SHARES - 12,800,000	19,959,766	19,995,520
U S TREASURY BOND	FIXED INCOME; GOVT; 4.750% 02/15/2041 DD 02/15/11; No. of SHARES - 50,000	67,929	82,858
U S TREASURY BOND	FIXED INCOME; GOVT; 4.375% 05/15/2041 DD 05/15/11; No. of SHARES - 9,800,000	15,867,646	15,577,394
U S TREASURY BOND	FIXED INCOME; GOVT; 3.125% 11/15/2041 DD 11/15/11; No. of SHARES - 10,180,000	13,630,226	13,762,851
U S TREASURY BOND	FIXED INCOME; GOVT; 3.625% 02/15/2044 DD 02/15/14; No. of SHARES - 4,275,000	6,239,446	6,259,712
U S TREASURY BOND	FIXED INCOME; GOVT; 3.375% 05/15/2044 DD 05/15/14; No. of SHARES - 1,970,000	2,804,070	2,786,329

U S TREASURY BOND	FIXED INCOME; GOVT; 3.125% 08/15/2044 DD 08/15/14; No. of SHARES - 2,420,000	3,320,678	3,301,219
U S TREASURY BOND	FIXED INCOME; GOVT; 3.000% 11/15/2044 DD 11/15/14; No. of SHARES - 750,000	1,025,678	1,004,385
U S TREASURY BOND	FIXED INCOME; GOVT; 2.500% 02/15/2046 DD 02/15/16; No. of SHARES - 2,820,000	3,627,941	3,492,626
U S TREASURY BOND	FIXED INCOME; GOVT; 2.875% 05/15/2049 DD 05/15/19; No. of SHARES - 2,440,000	3,316,087	3,300,490
U S TREASURY BOND	FIXED INCOME; GOVT; 2.250% 08/15/2049 DD 08/15/19; No. of SHARES - 1,710,000	2,045,716	2,056,480
U S TREASURY BOND	FIXED INCOME; GOVT; 2.250% 08/15/2049 DD 08/15/19; No. of SHARES - 1,015,000	1,240,898	1,220,659
U S TREASURY BOND	FIXED INCOME; GOVT; 2.000% 02/15/2050 DD 02/15/20; No. of SHARES - 139,980,000	159,285,041	160,429,678
U S TREASURY BOND	FIXED INCOME; GOVT; 2.000% 02/15/2050 DD 02/15/20; No. of SHARES - 830,000	966,843	951,255
U S TREASURY BOND	FIXED INCOME; GOVT; 2.000% 02/15/2050 DD 02/15/20; No. of SHARES - 1,720,000	1,973,443	1,971,275
U S TREASURY BOND	FIXED INCOME; GOVT; 1.250% 05/15/2050 DD 05/15/20; No. of SHARES - 8,300,000	7,955,075	7,986,177
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.375% 09/15/2020 DD 09/15/17; No. of SHARES - 417,000	415,473	418,384
U S TREASURY NOTE	FIXED INCOME; GOVT; 2.250% 11/15/2027 DD 11/15/17; No. of SHARES - 18,300,000	20,472,276	20,631,054
U S TREASURY NOTE	FIXED INCOME; GOVT; 2.625% 08/31/2020 DD 08/31/18; No. of SHARES - 1,417,000	1,427,502	1,425,743
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.375% 10/31/2020 DD 10/31/15; No. of SHARES - 1,910,100	1,905,026	1,919,421
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.125% 02/28/2021 DD 02/29/16; No. of SHARES - 7,400,000	7,456,491	7,451,430
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.375% 05/31/2021 DD 05/31/16; No. of SHARES - 6,900,000	6,984,681	6,980,316
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.125% 07/31/2021 DD 07/31/16; No. of SHARES - 6,600,000	6,675,119	6,671,148
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.625% 09/30/2026 DD 09/30/19; No. of SHARES - 580,000	576,381	622,618
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.750% 11/15/2029 DD 11/15/19; No. of SHARES - 410,000	403,786	452,825
U S TREASURY NOTE	FIXED INCOME; GOVT; 1.500% 02/15/2030 DD 02/15/20; No. of SHARES - 24,330,000	26,216,620	26,313,382
U S TREASURY NOTE	FIXED INCOME; GOVT; 0.625% 05/15/2030 DD 05/15/20; No. of SHARES - 1,585,000	1,574,694	1,581,592
US LONG BOND FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - 73	—	71,448

US ULTRA BOND (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - -463	—	(394,274)
US 10YR ULTRA FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - -587	—	(463,180)
US 10YR NOTE FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - 2148	—	587,422
US 5YR NOTE FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - -265	—	(58,717)
US 2YR NOTE FUTURE (CBT)	FIXED INCOME; GOVT; EXP SEP 20; No. of SHARES - -281	—	(10,922)
REPUBLIC OF SOUTH AFRICA GOVERNMENT	FIXED INCOME; GOVT; 8.250% 03/31/2032; No. of SHARES - 2,200,000	184,365	112,149
UNIV OF VIRGINIA VA REVENUE	FIXED INCOME; GOVT; 3.227% 09/01/2119 DD 09/12/19; No. of SHARES - 700,000	700,000	723,079
UNIV OF TEXAS TX PERMANENT UNIVERSITY	FIXED INCOME; GOVT; 3.376% 07/01/2047 DD 11/14/17; No. of SHARES - 500,000	477,440	599,620
UNIV OF CALIFORNIA CA REVENUES	FIXED INCOME; GOVT; 5.770% 05/15/2043 DD 08/27/09; No. of SHARES - 380,000	478,055	553,478
TULARE CNTY CA PENSION OBLG	FIXED INCOME; GOVT; 3.959% 06/01/2027 DD 06/25/18; No. of SHARES - 800,000	800,000	898,536
TEXAS STATE	FIXED INCOME; GOVT; 5.517% 04/01/2039 DD 08/26/09; No. of SHARES - 320,000	403,917	467,482
TEXAS ST PRIV ACTIVITY BOND SU	FIXED INCOME; GOVT; 3.922% 12/31/2049 DD 12/17/19; No. of SHARES - 220,000	220,000	219,454
SAN ANTONIO TX ELEC & GAS REVENUE	FIXED INCOME; GOVT; 4.427% 02/01/2042 DD 03/29/12; No. of SHARES - 1,000,000	1,103,620	1,215,840
PORT AUTH OF NEW YORK & NEW JERSEY	FIXED INCOME; GOVT; 4.458% 10/01/2062 DD 10/10/12; No. of SHARES - 600,000	601,092	757,284
PORT AUTH OF NEW YORK & NEW JERSEY	FIXED INCOME; GOVT; 4.458% 10/01/2062 DD 10/10/12; No. of SHARES - 945,000	1,077,575	1,192,722
PASADENA CA PUBLIC FING AUTH L	FIXED INCOME; GOVT; 7.148% 03/01/2043 DD 11/23/10; No. of SHARES - 200,000	200,000	293,206
N TX TOLLWAY AUTH REVENUE	FIXED INCOME; GOVT; 6.718% 01/01/2049 DD 08/12/09; No. of SHARES - 300,000	446,964	499,953
NEWPORT BEACH CA COPS	FIXED INCOME; GOVT; 7.168% 07/01/2040 DD 11/30/10; No. of SHARES - 200,000	200,000	300,106
NEW YORK CITY NY MUNI WATER FIN	FIXED INCOME; GOVT; 5.440% 06/15/2043 DD 09/23/10; No. of SHARES - 335,000	426,020	505,173
NEW JERSEY ST TURNPIKE AUTH	FIXED INCOME; GOVT; 7.102% 01/01/2041 DD 12/15/10; No. of SHARES - 560,000	813,854	888,759
NEW JERSEY ST TURNPIKE AUTH	FIXED INCOME; GOVT; 7.414% 01/01/2040 DD 04/28/09; No. of SHARES - 210,000	315,097	342,059
MIAMI-DADE CNTY FL AVIATION RE	FIXED INCOME; GOVT; 3.862% 10/01/2029 DD 08/30/18; No. of SHARES - 400,000	400,000	435,120
MASSACHUSETTS STATE	FIXED INCOME; GOVT; 2.900% 09/01/2049 DD 09/12/19; No. of SHARES - 600,000	600,000	634,410
LOS ANGELES CA UNIF SCHOOL DISTRICT	FIXED INCOME; GOVT; 6.758% 07/01/2034 DD 03/04/10; No. of SHARES - 50,000	67,000	71,124
LOS ANGELES CA UNIF SCHOOL DISTRICT	FIXED INCOME; GOVT; 6.758% 07/01/2034 DD 03/04/10; No. of SHARES - 3,570,000	4,964,425	5,078,254
LOS ANGELES CA DEPT WATER & POWER	FIXED INCOME; GOVT; 5.716% 07/01/2039 DD 06/02/10; No. of SHARES - 1,000,000	1,268,860	1,478,640
CALIFORNIA ST UNIV REVENUE	FIXED INCOME; GOVT; 3.899% 11/01/2047 DD 03/09/17; No. of SHARES - 30,000	33,600	34,901
CALIFORNIA STATE	FIXED INCOME; GOVT; 7.600% 11/01/2040 DD 12/01/10; No. of SHARES - 385,000	600,273	684,634

CALIFORNIA STATE	FIXED INCOME; GOVT; 7.300% 10/01/2039 DD 10/15/09; No. of SHARES - 680,000	988,502	1,106,435
CALIFORNIA STATE	FIXED INCOME; GOVT; 7.550% 04/01/2039 DD 04/28/09; No. of SHARES - 145,000	221,589	250,054
BAY AREA CA TOLL AUTH TOLL BRI	FIXED INCOME; GOVT; 6.263% 04/01/2049 DD 11/05/09; No. of SHARES - 860,000	1,230,006	1,497,380
RESOLUTION FDG CORP PRIN STRIP	FIXED INCOME; GOVT; 0.000% 01/15/2030 DD 01/30/91; No. of SHARES - 6,100,000	3,710,064	5,365,377
FEDERAL NATL MTG ASSN STRIP	FIXED INCOME; GOVT; 0.000% 05/15/2030 DD 05/05/00; No. of SHARES - 2,800,000	2,256,241	2,430,344
QATAR GOVERNMENT INTERNATIONAL 144A	FIXED INCOME; GOVT; 4.400% 04/16/2050 DD 04/16/20; No. of SHARES - 800,000	800,000	951,008
PERUSAHAAN PENERBIT SBSN 144A	FIXED INCOME; GOVT; 4.450% 02/20/2029 DD 02/20/19; No. of SHARES - 400,000	400,800	445,500
ABU DHABI GOVERNMENT INTE 144A	FIXED INCOME; GOVT; 3.875% 04/16/2050 DD 04/16/20; No. of SHARES - 1,000,000	961,360	1,138,750
INDONESIA GOVERNMENT INTE REGS	FIXED INCOME; GOVT; 4.750% 07/18/2047 DD 07/18/17; No. of SHARES - 600,000	597,750	693,000
INDONESIA GOVERNMENT INTE REGS	FIXED INCOME; GOVT; 6.750% 01/15/2044; No. of SHARES - 300,000	408,375	431,106
QATAR GOVERNMENT INTERNATIONAL REGS	FIXED INCOME; GOVT; 3.875% 04/23/2023; No. of SHARES - 600,000	595,932	639,000
KUWAIT INTERNATIONALL GOVE REGS	FIXED INCOME; GOVT; 3.500% 03/20/2027; No. of SHARES - 1,000,000	990,260	1,102,500
KUWAIT INTERNATIONALL GOVE REGS	FIXED INCOME; GOVT; 2.750% 03/20/2022; No. of SHARES - 400,000	397,464	410,000
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 5.000% 04/27/2051 DD 04/27/20; No. of SHARES - 630,000	587,201	676,620
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.750% 04/27/2032 DD 04/27/20; No. of SHARES - 255,000	249,298	276,038
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.250% 04/16/2030 DD 01/16/20; No. of SHARES - 235,000	233,750	231,475
CCP_CDX. BP UL ITRAXX_EUROPE_3	FIXED INCOME; GOVT; PAY 100BPS 2024 DEC 20; No. of SHARES - 300,000	(7,763)	(4,455)
INDONESIA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 1.400% 10/30/2031; No. of SHARES - 300,000	333,040	302,420
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.000% 03/15/2115; No. of SHARES - 400,000	446,579	418,310
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.500% 01/31/2050 DD 07/31/19; No. of SHARES - 975,000	1,007,430	1,004,250
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.600% 01/23/2046 DD 01/23/15; No. of SHARES - 19,000	18,997	19,737
MEXICO GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 5.750% 10/12/2110 DD 10/12/10; No. of SHARES - 790,000	806,795	855,183
PERUVIAN GOVERNMENT INTER 144A	FIXED INCOME; GOVT; 6.950% 08/12/2031 DD 04/24/08; No. of SHARES - 400,000	143,140	143,250
PERUVIAN GOVERNMENT INTER 144A	FIXED INCOME; GOVT; 5.940% 02/12/2029 DD 12/06/18; No. of SHARES - 1,100,000	325,444	368,590
URUGUAY GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.975% 04/20/2055 DD 04/20/18; No. of SHARES - 600,000	592,278	729,756
URUGUAY GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 5.100% 06/18/2050 DD 06/18/14; No. of SHARES - 615,000	649,594	753,381
PHILIPPINE GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 2.950% 05/05/2045 DD 05/05/20; No. of SHARES - 220,000	220,000	228,466
PHILIPPINE GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.700% 02/02/2042 DD 02/02/17; No. of SHARES - 290,000	355,975	332,320
PERUVIAN GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 2.844% 06/20/2030 DD 06/20/19; No. of SHARES - 115,000	115,000	121,613

PANAMA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.870% 07/23/2060 DD 07/23/19; No. of SHARES - 190,000	189,884	207,575
STATE OF ISRAEL	FIXED INCOME; GOVT; 3.375% 01/15/2050 DD 01/15/20; No. of SHARES - 500,000	487,630	528,030
ISRAEL GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.875% 07/03/2050 DD 04/03/20; No. of SHARES - 230,000	230,000	262,931
ISRAEL GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.875% 07/03/2050 DD 04/03/20; No. of SHARES - 900,000	900,000	1,028,862
COLOMBIA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.000% 01/30/2030 DD 01/30/20; No. of SHARES - 285,000	281,888	285,000
COLOMBIA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 4.500% 03/15/2029 DD 10/12/18; No. of SHARES - 200,000	209,302	220,264
COLOMBIA GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 5.625% 02/26/2044 DD 01/28/14; No. of SHARES - 615,000	683,265	743,228
CHILE GOVERNMENT INTERNATIONAL	FIXED INCOME; GOVT; 3.500% 01/25/2050 DD 06/25/19; No. of SHARES - 1,475,000	1,519,340	1,578,250
FNMA GTD REMIC P/T 13-67 NS	FIXED INCOME; GOVT; VAR RT 07/25/2043 DD 06/25/13; No. of SHARES - 213,417.55	163,264	225,764
FNMA POOL #0MA3804	FIXED INCOME; GOVT; 4.000% 10/01/2049 DD 09/01/19; No. of SHARES - 93,227.75	97,536	99,166
FNMA POOL #0BL1271	FIXED INCOME; GOVT; 3.840% 01/01/2031 DD 01/01/19; No. of SHARES - 1,000,000	1,002,969	1,192,540
FNMA POOL #0BL1248	FIXED INCOME; GOVT; 3.750% 01/01/2029 DD 01/01/19; No. of SHARES - 900,000	905,063	1,056,159
FNMA POOL #0545382	FIXED INCOME; GOVT; 8.000% 11/01/2028 DD 12/01/01; No. of SHARES - 1,780.77	3,378	1,973
FNMA POOL #0535441	FIXED INCOME; GOVT; 8.000% 03/01/2030 DD 07/01/00; No. of SHARES - 776.39	1,104	793
FNMA POOL #0399910	FIXED INCOME; GOVT; 7.000% 12/01/2027 DD 12/01/97; No. of SHARES - 116.34	155	120
FNMA POOL #0357140	FIXED INCOME; GOVT; 6.000% 07/01/2031 DD 07/01/01; No. of SHARES - 1,718.79	1,864	1,863
FNMA POOL #0190880	FIXED INCOME; GOVT; VAR RT 11/01/2028 DD 06/01/94; No. of SHARES - 2,125.07	2,272	2,140
FNMA POOL #0100254	FIXED INCOME; GOVT; 8.000% 12/15/2024 DD 12/01/98; No. of SHARES - 4,956.14	10,319	5,508
FHLMC MULTICLASS MTG 4380 ZG	FIXED INCOME; GOVT; 3.000% 04/15/2053 DD 08/01/14; No. of SHARES - 2,257,230.51	1,964,054	2,394,357
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.500% 10/01/2050 DD 10/01/20; No. of SHARES - 55,000,000	57,660,235	57,749,450
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.500% 10/01/2050 DD 10/01/20; No. of SHARES - -55,000,000	(57,814,453)	(57,749,450)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.500% 07/01/2050 DD 07/01/20; No. of SHARES - -1,800,000	(1,944,000)	(1,944,810)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.500% 06/01/2050 DD 06/01/20; No. of SHARES - 1,200,000	1,295,758	1,296,372
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.000% 07/01/2050 DD 07/01/20; No. of SHARES - 10,000,000	10,648,438	10,644,900
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.000% 05/01/2050 DD 05/01/20; No. of SHARES - -4,500,000	(4,790,812)	(4,783,860)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 4.000% 05/01/2050 DD 05/01/20; No. of SHARES - 4,500,000	4,641,414	4,783,860
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 3.500% 07/01/2050 DD 07/01/20; No. of SHARES - -10,600,000	(11,164,781)	(11,177,382)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 3.500% 01/01/2050 DD 01/01/20; No. of SHARES - -19,100,000	(19,599,859)	(19,696,875)

COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 3.500% 01/01/2050 DD 01/01/20; No. of SHARES - 19,100,000	19,665,912	19,696,875
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 3.000% 06/01/2050 DD 06/01/20; No. of SHARES - -4,900,000	(5,162,609)	(5,154,947)
COMMIT TO PUR FNMA SF MTG OTC	FIXED INCOME; GOVT; PUT AUG 20 102.421875 ED 80620; No. of SHARES - -800,000	(5,250)	(3,374)
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 2.500% 08/01/2050 DD 08/01/20; No. of SHARES - 15,000,000	15,465,500	15,499,800
COMMIT TO PUR FNMA SF MTG	FIXED INCOME; GOVT; 2.500% 07/01/2050 DD 07/01/20; No. of SHARES - 9,000,000	9,296,120	9,318,420
COMMIT TO PUR FNMA SINGLE (OTC)	FIXED INCOME; GOVT; PUT AUG 20 100.4375 ED 080620; No. of SHARES - -2,500,000	(21,094)	(10,539)
COMMIT TO PUR FNMA SINGLE	FIXED INCOME; GOVT; 2.000% 08/01/2050 DD 08/01/20; No. of SHARES - 5,100,000	5,169,229	5,178,081
REGENCY CENTERS LP	FIXED INCOME; REAL ESTATE; 2.950% 09/15/2029 DD 08/20/19; No. of SHARES - 100,000	99,903	96,078
REGENCY CENTERS LP	FIXED INCOME; REAL ESTATE; 4.650% 03/15/2049 DD 03/06/19; No. of SHARES - 645,000	697,508	676,708
REGENCY CENTERS LP	FIXED INCOME; REAL ESTATE; 4.400% 02/01/2047 DD 01/26/17; No. of SHARES - 50,000	50,817	50,427
PROLOGIS LP	FIXED INCOME; REAL ESTATE; 3.000% 04/15/2050 DD 02/18/20; No. of SHARES - 690,000	682,658	692,884
PROLOGIS LP	FIXED INCOME; REAL ESTATE; 2.250% 04/15/2030 DD 02/18/20; No. of SHARES - 245000	243,535	251,600
OMEGA HEALTHCARE INVESTORS INC	FIXED INCOME; REAL ESTATE; 3.625% 10/01/2029 DD 09/20/19; No. of SHARES - 700,000	689,794	636,237
KIMCO REALTY CORP	FIXED INCOME; REAL ESTATE; 3.700% 10/01/2049 DD 08/29/19; No. of SHARES - 700,000	691,824	577,129
HEALTHCARE REALTY TRUST INC	FIXED INCOME; REAL ESTATE; 2.400% 03/15/2030 DD 03/18/20; No. of SHARES - 500,000	498,325	452,905
HEALTHPEAK PROPERTIES INC	FIXED INCOME; REAL ESTATE; 3.500% 07/15/2029 DD 07/05/19; No. of SHARES - 600,000	597,432	608,822
GLP CAPITAL LP / GLP FINANCING	FIXED INCOME; REAL ESTATE; 4.000% 01/15/2030 DD 08/29/19; No. of SHARES - 700,000	698,257	610,750
GLP CAPITAL LP / GLP FINANCING	FIXED INCOME; REAL ESTATE; 3.350% 09/01/2024 DD 08/29/19; No. of SHARES - 200,000	199,798	184,470
EPR PROPERTIES	FIXED INCOME; REAL ESTATE; 3.750% 08/15/2029 DD 08/15/19; No. of SHARES - 700,000	694,176	570,416
EPR PROPERTIES	FIXED INCOME; REAL ESTATE; 4.500% 06/01/2027 DD 05/23/17; No. of SHARES - 700,000	695,751	603,722
BRIXMOR OPERATING PARTNERSHIP	FIXED INCOME; REAL ESTATE; 4.125% 05/15/2029 DD 05/10/19; No. of SHARES - 400,000	425,608	386,516

AMERICAN TOWER CORP	FIXED INCOME; REAL ESTATE; 2.950% 01/15/2025 DD 06/13/19; No. of SHARES - 900,000	892,692	960,957
ALEXANDRIA REAL ESTATE EQUITIE	FIXED INCOME; REAL ESTATE; 3.375% 08/15/2031 DD 07/15/19; No. of SHARES - 160,000	159,774	173,514
BROOKFIELD FINANCE INC	FIXED INCOME; CORP; 4.350% 04/15/2030 DD 04/09/20; No. of SHARES - 1,400,000	1,398,567	1,564,934
SUNCOR ENERGY INC	FIXED INCOME; CORP; 7.150% 02/01/2032 DD 01/29/02; No. of SHARES - 475,000	613,149	577,861
SUNCOR ENERGY INC	FIXED INCOME; CORP; 4.000% 11/15/2047 DD 11/15/17; No. of SHARES - 20,000	21,238	20,513
SUNCOR ENERGY INC	FIXED INCOME; CORP; 6.800% 05/15/2038 DD 05/15/08; No. of SHARES - 20,000	27,919	24,753
MACMILLAN BLOEDEL PEMBROKE LP	FIXED INCOME; CORP; 7.700% 02/15/2026 DD 02/21/96; No. of SHARES - 85,000	77,138	103,962
CANADIAN PACIFIC RR CO	FIXED INCOME; CORP; 6.125% 09/15/2115 DD 09/11/15; No. of SHARES - 300,000	379,269	451,332
CANADIAN PACIFIC RR CO	FIXED INCOME; CORP; 6.125% 09/15/2115 DD 09/11/15; No. of SHARES - 1,215,000	1,531,022	1,827,895
VODAFONE GROUP PLC	FIXED INCOME; CORP; 4.250% 09/17/2050 DD 09/17/19; No. of SHARES - 825,000	832,710	947,620
VODAFONE GROUP PLC	FIXED INCOME; CORP; 4.875% 06/19/2049 DD 06/19/19; No. of SHARES - 200,000	196,502	248,626
VODAFONE GROUP PLC	FIXED INCOME; CORP; 5.250% 05/30/2048 DD 05/30/18; No. of SHARES - 2,000,000	1,904,760	2,597,580
VODAFONE GROUP PLC	FIXED INCOME; CORP; 5.000% 05/30/2038 DD 05/30/18; No. of SHARES - 170,000	172,144	208,811
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 5.250% 03/16/2037 DD 03/16/17; No. of SHARES - 865,000	985,970	1,161,280
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 5.012% 04/15/2049 DD 02/03/17; No. of SHARES - 235,000	262,253	326,204
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 4.672% 03/15/2055 DD 03/13/15; No. of SHARES - 365,000	349,385	500,181
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 4.522% 09/15/2048 DD 03/13/15; No. of SHARES - 2,030,000	2,126,579	2,649,698
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 4.272% 01/15/2036 DD 07/15/15; No. of SHARES - 340,000	349,173	412,726
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 5.012% 08/21/2054 DD 02/21/15; No. of SHARES - 340,000	377,271	486,656
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 4.862% 08/21/2046 DD 02/21/15; No. of SHARES - 3,825,000	4,519,709	5,132,117
VERIZON COMMUNICATIONS INC	FIXED INCOME; CORP; 3.850% 11/01/2042 DD 11/07/12; No. of SHARES - 100,000	114,762	117,414
TELEFONICA EMISIONES SA	FIXED INCOME; CORP; 5.213% 03/08/2047 DD 03/08/17; No. of SHARES - 380,000	382,413	461,746
SPRINT COMMUNICATIONS INC	FIXED INCOME; CORP; 6.000% 11/15/2022 DD 11/14/12; No. of SHARES - 200,000	212,000	212,500
ROGERS COMMUNICATIONS INC	FIXED INCOME; CORP; 3.700% 11/15/2049 DD 11/12/19; No. of SHARES - 215,000	212,691	239,022
ROGERS COMMUNICATIONS INC	FIXED INCOME; CORP; 5.000% 03/15/2044 DD 03/10/14; No. of SHARES - 215,000	236,917	278,012
DEUTSCHE TELEKOM INTERNATIONAL	FIXED INCOME; CORP; VAR RT 06/15/2030 DD 07/06/00; No. of SHARES - 400,000	558,096	604,884
BRITISH TELECOMMUNICATIONS PLC	FIXED INCOME; CORP; 4.500% 12/04/2023 DD 12/04/18; No. of SHARES - 1,000,000	999,730	1,091,020
BELL CANADA INC	FIXED INCOME; CORP; 4.300% 07/29/2049 DD 05/13/19; No. of SHARES - 600,000	598,812	729,990

AT&T INC	FIXED INCOME; CORP; 5.350% 09/01/2040 DD 03/01/11; No. of SHARES - 1,400,000	1,739,010	1,745,604
AMERICA MOVIL SAB DE CV	FIXED INCOME; CORP; 4.375% 04/22/2049 DD 04/22/19; No. of SHARES - 690,000	708,062	815,580
AMERICA MOVIL SAB DE CV	FIXED INCOME; CORP; 6.125% 03/30/2040 DD 03/30/10; No. of SHARES - 355,000	443,019	488,480
AT&T INC	FIXED INCOME; CORP; 3.850% 06/01/2060 DD 05/28/20; No. of SHARES - 1,010,000	1,005,697	1,024,160
AT&T INC	FIXED INCOME; CORP; 3.850% 06/01/2060 DD 05/28/20; No. of SHARES - 245,000	243,956	248,435
AT&T INC	FIXED INCOME; CORP; 4.850% 03/01/2039 DD 02/19/19; No. of SHARES - 120,000	120,935	140,195
AT&T INC	FIXED INCOME; CORP; 5.150% 11/15/2046 DD 11/15/18; No. of SHARES - 335,000	345,050	409,474
AT&T INC	FIXED INCOME; CORP; 5.450% 03/01/2047 DD 02/09/17; No. of SHARES - 600,000	649,728	755,760
AT&T INC	FIXED INCOME; CORP; 5.250% 03/01/2037 DD 02/09/17; No. of SHARES - 175,000	186,949	213,917
AT&T INC	FIXED INCOME; CORP; 4.550% 03/09/2049 DD 09/07/16; No. of SHARES - 1,135,000	1,260,815	1,291,437
AT&T INC	FIXED INCOME; CORP; 4.550% 03/09/2049 DD 09/07/16; No. of SHARES - 270,000	256,576	307,214
AT&T INC	FIXED INCOME; CORP; 4.500% 03/09/2048 DD 09/07/16; No. of SHARES - 480,000	454,219	544,195
AT&T INC	FIXED INCOME; CORP; 4.500% 03/09/2048 DD 09/07/16; No. of SHARES - 710,000	820,725	804,955
AT&T INC	FIXED INCOME; CORP; 6.000% 08/15/2040 DD 02/15/16; No. of SHARES - 495,000	563,543	640,114
AT&T INC	FIXED INCOME; CORP; 4.750% 05/15/2046 DD 05/04/15; No. of SHARES - 525,000	514,148	611,053
AT&T INC	FIXED INCOME; CORP; 4.500% 05/15/2035 DD 05/04/15; No. of SHARES - 1,150,000	1,143,951	1,293,911
AT&T INC	FIXED INCOME; CORP; 4.800% 06/15/2044 DD 06/10/14; No. of SHARES - 615,000	611,003	709,212
AT&T INC	FIXED INCOME; CORP; 4.350% 06/15/2045 DD 06/15/13; No. of SHARES - 750,000	703,575	835,613
AT&T INC	FIXED INCOME; CORP; 4.300% 12/15/2042 DD 06/15/13; No. of SHARES - 1,680,000	1,853,304	1,858,534
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 3.450% 05/01/2050 DD 04/14/20; No. of SHARES - 125,000	124,743	137,361
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 4.150% 06/01/2049 DD 05/13/19; No. of SHARES - 1,350,000	1,344,287	1,641,006
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 4.150% 06/01/2049 DD 05/13/19; No. of SHARES - 170,000	184,387	206,645
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 4.150% 06/01/2049 DD 05/13/19; No. of SHARES - 800,000	795,760	972,448
AMERICAN WATER CAPITAL CORP	FIXED INCOME; CORP; 3.750% 09/01/2047 DD 08/10/17; No. of SHARES - 125,000	131,395	141,794
WASHINGTON GAS LIGHT CO	FIXED INCOME; CORP; 3.650% 09/15/2049 DD 09/13/19; No. of SHARES - 700,000	696,458	775,040
WASHINGTON GAS LIGHT CO	FIXED INCOME; CORP; 3.796% 09/15/2046 DD 09/16/16; No. of SHARES - 400,000	418,736	440,780
NISOURCE INC	FIXED INCOME; CORP; 4.375% 05/15/2047 DD 05/22/17; No. of SHARES - 540,000	547,263	643,243
NISOURCE INC	FIXED INCOME; CORP; 3.600% 05/01/2030 DD 04/13/20; No. of SHARES - 500,000	498,155	565,510
DOMINION ENERGY GAS HOLDINGS L	FIXED INCOME; CORP; 3.900% 11/15/2049 DD 11/21/19; No. of SHARES - 420,000	419,782	427,472

XCEL ENERGY INC	FIXED INCOME; CORP; 3.400% 06/01/2030 DD 04/01/20; No. of SHARES - 180,000	179,406	202,052
UNION ELECTRIC CO	FIXED INCOME; CORP; 3.900% 09/15/2042 DD 09/11/12; No. of SHARES - 525,000	534,954	611,252
TUCSON ELECTRIC POWER CO	FIXED INCOME; CORP; 4.000% 06/15/2050 DD 04/09/20; No. of SHARES - 235,000	232,974	268,351
SOUTHWESTERN ELECTRIC POWER CO	FIXED INCOME; CORP; 6.200% 03/15/2040 DD 03/08/10; No. of SHARES - 200,000	242,924	270,140
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 2.250% 06/01/2030 DD 03/09/20; No. of SHARES - 135,000	134,872	134,432
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 3.650% 02/01/2050 DD 01/09/20; No. of SHARES - 150,000	158,192	157,980
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 4.200% 03/01/2029 DD 03/15/19; No. of SHARES - 205,000	237,234	235,906
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 3.700% 08/01/2025 DD 08/02/18; No. of SHARES - 600,000	598,716	656,538
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 4.000% 04/01/2047 DD 03/24/17; No. of SHARES - 645,000	670,723	712,274
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 4.000% 04/01/2047 DD 03/24/17; No. of SHARES - 400,000	415,952	441,720
SOUTHERN CALIFORNIA EDISON CO	FIXED INCOME; CORP; 3.500% 10/01/2023 DD 10/02/13; No. of SHARES - 500,000	524,560	529,745
DOMINION ENERGY SOUTH CAROLINA	FIXED INCOME; CORP; 5.100% 06/01/2065 DD 05/22/15; No. of SHARES - 55,000	65,274	77,066
SEMPRA ENERGY	FIXED INCOME; CORP; 4.000% 02/01/2048 DD 01/12/18; No. of SHARES - 305,000	290,338	342,003
SEMPRA ENERGY	FIXED INCOME; CORP; 3.800% 02/01/2038 DD 01/12/18; No. of SHARES - 285,000	263,303	303,485
SEMPRA ENERGY	FIXED INCOME; CORP; 6.000% 10/15/2039 DD 10/08/09; No. of SHARES - 200,000	244,066	264,970
SAN DIEGO GAS & ELECTRIC CO	FIXED INCOME; CORP; 3.320% 04/15/2050 DD 04/07/20; No. of SHARES - 500,000	499,335	533,255
SAN DIEGO GAS & ELECTRIC CO	FIXED INCOME; CORP; 3.320% 04/15/2050 DD 04/07/20; No. of SHARES - 70,000	69,907	74,656
SAN DIEGO GAS & ELECTRIC CO	FIXED INCOME; CORP; 4.100% 06/15/2049 DD 05/31/19; No. of SHARES - 220,000	253,854	259,734
SAN DIEGO GAS & ELECTRIC CO	FIXED INCOME; CORP; 4.150% 05/15/2048 DD 05/17/18; No. of SHARES - 70,000	90,989	83,297
PUBLIC SERVICE ELECTRIC AND GA	FIXED INCOME; CORP; 3.200% 08/01/2049 DD 08/12/19; No. of SHARES - 2,070,000	2,054,993	2,290,538
PUBLIC SERVICE ELECTRIC AND GA	FIXED INCOME; CORP; 3.800% 03/01/2046 DD 03/03/16; No. of SHARES - 55,000	65,111	64,769
PUBLIC SERVICE CO OF COLORADO	FIXED INCOME; CORP; 3.200% 03/01/2050 DD 08/13/19; No. of SHARES - 400,000	394,688	438,764
PUBLIC SERVICE CO OF COLORADO	FIXED INCOME; CORP; 3.950% 03/15/2043 DD 03/26/13; No. of SHARES - 415,000	408,223	469,560
PUBLIC SERVICE CO OF COLORADO	FIXED INCOME; CORP; 3.600% 09/15/2042 DD 09/11/12; No. of SHARES - 655,000	644,906	740,255
POTOMAC ELECTRIC POWER CO	FIXED INCOME; CORP; 4.150% 03/15/2043 DD 03/18/13; No. of SHARES - 335,000	346,233	398,643
PACIFICORP	FIXED INCOME; CORP; 3.300% 03/15/2051 DD 04/08/20; No. of SHARES - 195,000	193,393	211,951
PACIFICORP	DD 01/08/09; No. of SHARES - 610,000	779,312	859,386
PACIFIC GAS AND ELECTRIC CO	DD 09/15/10; No. of SHARES - 700,000	656,875	728,000
PECO ENERGY CO	FIXED INCOME; CORP; 3.900% 03/01/2048 DD 02/23/18; No. of SHARES - 255,000	257,672	308,598

ONCOR ELECTRIC DELIVERY CO LLC	FIXED INCOME; CORP; 3.750% 04/01/2045 DD 10/01/15; No. of SHARES - 425,000	421,694	495,100
ONCOR ELECTRIC DELIVERY CO LLC	FIXED INCOME; CORP; 4.550% 12/01/2041 DD 06/01/12; No. of SHARES - 1,005,000	1,105,038	1,288,581
ONCOR ELECTRIC DELIVERY CO LLC	FIXED INCOME; CORP; 5.300% 06/01/2042 DD 05/18/12; No. of SHARES - 530,000	639,222	736,626
OHIO POWER CO	FIXED INCOME; CORP; 2.600% 04/01/2030 DD 03/17/20; No. of SHARES - 120,000	119,873	127,387
OGLETHORPE POWER CORP	FIXED INCOME; CORP; 5.375% 11/01/2040 DD 11/09/10; No. of SHARES - 910,000	1,048,912	1,053,725
OGLETHORPE POWER CORP	FIXED INCOME; CORP; 5.050% 10/01/2048 DD 04/01/19; No. of SHARES - 85,000	97,914	95,925
OGLETHORPE POWER CORP	FIXED INCOME; CORP; 4.550% 06/01/2044 DD 06/12/14; No. of SHARES - 520,000	522,262	565,926
NORTHERN STATES POWER CO/ MN	FIXED INCOME; CORP; 2.900% 03/01/2050 DD 09/10/19; No. of SHARES - 230,000	225,563	242,878
NORTHERN STATES POWER CO/ MN	FIXED INCOME; CORP; 3.400% 08/15/2042 DD 08/13/12; No. of SHARES - 135,000	127,468	153,772
NEXTERA ENERGY CAPITAL HOLDING	FIXED INCOME; CORP; 1.950% 09/01/2022 DD 10/07/19; No. of SHARES - 1,100,000	1,100,000	1,127,137
NEXTERA ENERGY CAPITAL HOLDING	FIXED INCOME; CORP; 3.200% 02/25/2022 DD 02/27/19; No. of SHARES - 1,400,000	1,397,032	1,460,326
NEVADA POWER CO	FIXED INCOME; CORP; 3.125% 08/01/2050 DD 01/30/20; No. of SHARES - 1,055,000	1,054,589	1,113,373
NEVADA POWER CO	FIXED INCOME; CORP; 5.450% 05/15/2041 DD 05/12/11; No. of SHARES - 185,000	214,139	229,041
MIDAMERICAN ENERGY CO	FIXED INCOME; CORP; 5.800% 10/15/2036 DD 10/06/06; No. of SHARES - 60,000	74,674	82,212
MIDAMERICAN ENERGY CO	FIXED INCOME; CORP; 4.250% 07/15/2049 DD 01/09/19; No. of SHARES - 200,000	236,182	254,052
STORA ENSO OYJ REGS	FIXED INCOME; CORP; 2.500% 03/21/2028; No. of SHARES - 700,000	838,845	783,396
BARCLAYS PLC REGS	FIXED INCOME; CORP; VAR RT 12/31/2049; No. of SHARES - 400,000	514,283	489,575
BARCLAYS PLC	FIXED INCOME; CORP; VAR RT 12/31/2049; No. of SHARES - 300,000	393,194	360,691
MIDAMERICAN ENERGY CO	FIXED INCOME; CORP; 3.650% 08/01/2048 DD 02/01/18; No. of SHARES - 2,025,000	1,961,739	2,348,879
MIDAMERICAN ENERGY CO	FIXED INCOME; CORP; 4.400% 10/15/2044 DD 04/03/14; No. of SHARES - 70,000	83,358	87,730
RASC SERIES 2007-KS4 TR KS4 A3	FIXED INCOME; CORP; VAR RT 05/25/2037 DD 04/27/07; No. of SHARES - 267,938.64	266,348	264,884
BOEING CO/THE	FIXED INCOME; CORP; 6.875% 03/15/2039 DD 03/13/09; No. of SHARES - 335,000	465,462	394,074
BOEING CO/THE	FIXED INCOME; CORP; 3.600% 05/01/2034 DD 05/02/19; No. of SHARES - 345,000	345,726	314,940
BOEING CO/THE	FIXED INCOME; CORP; 5.705% 05/01/2040 DD 05/04/20; No. of SHARES - 1,840,000	1,839,947	2,020,982
BOEING CO/THE	FIXED INCOME; CORP; 5.805% 05/01/2050 DD 05/04/20; No. of SHARES - 1,595,000	1,597,134	1,809,687
BOEING CO/THE	FIXED INCOME; CORP; 5.805% 05/01/2050 DD 05/04/20; No. of SHARES - 1,400,000	1,400,000	1,588,440
BOEING CO/THE	FIXED INCOME; CORP; 5.930% 05/01/2060 DD 05/04/20; No. of SHARES - 190,000	190,000	220,147
GENERAL DYNAMICS CORP	FIXED INCOME; CORP; 4.250% 04/01/2040 DD 03/25/20; No. of SHARES - 245,000	252,095	304,613
GENERAL DYNAMICS CORP	FIXED INCOME; CORP; 4.250% 04/01/2050 DD 03/25/20; No. of SHARES - 60,000	59,118	78,263

LOCKHEED MARTIN CORP	FIXED INCOME; CORP; 4.850% 09/15/2041 DD 09/09/11; No. of SHARES - 255,000	279,194	332,798
LOCKHEED MARTIN CORP	FIXED INCOME; CORP; 3.600% 03/01/2035 DD 02/20/15; No. of SHARES - 45,000	48,546	54,194
LOCKHEED MARTIN CORP	FIXED INCOME; CORP; 4.500% 05/15/2036 DD 11/23/15; No. of SHARES - 185,000	201,829	236,497
LOCKHEED MARTIN CORP	FIXED INCOME; CORP; 2.800% 06/15/2050 DD 05/20/20; No. of SHARES - 540,000	535,318	564,640
NORTHROP GRUMMAN CORP	FIXED INCOME; CORP; 4.750% 06/01/2043 DD 05/31/13; No. of SHARES - 645,000	700,734	830,805
NORTHROP GRUMMAN CORP	FIXED INCOME; CORP; 4.030% 10/15/2047 DD 10/13/17; No. of SHARES - 620,000	621,330	753,083
NORTHROP GRUMMAN CORP	FIXED INCOME; CORP; 5.150% 05/01/2040 DD 03/23/20; No. of SHARES - 210,000	208,969	282,748
NORTHROP GRUMMAN CORP	FIXED INCOME; CORP; 5.250% 05/01/2050 DD 03/23/20; No. of SHARES - 120,000	119,288	173,629
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 3.125% 07/01/2050 DD 05/18/20; No. of SHARES - 505,000	503,318	532,982
SPIRIT AEROSYSTEMS INC	FIXED INCOME; CORP; 3.950% 06/15/2023 DD 05/30/18; No. of SHARES - 1,000,000	1,028,130	805,000
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 5.700% 04/15/2040 DD 02/26/10; No. of SHARES - 785,000	932,910	1,076,471
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 4.500% 06/01/2042 DD 06/01/12; No. of SHARES - 1,050,000	1,118,588	1,287,458
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 4.450% 11/16/2038 DD 08/16/18; No. of SHARES - 165,000	173,714	199,934
RAYTHEON TECHNOLOGIES CORP	FIXED INCOME; CORP; 4.625% 11/16/2048 DD 08/16/18; No. of SHARES - 1,515,000	1,911,097	1,961,274
GENERAL MOTORS CO	FIXED INCOME; CORP; 6.600% 04/01/2036 DD 02/23/16; No. of SHARES - 155,000	166,887	165,807
GENERAL MOTORS CO	FIXED INCOME; CORP; 6.125% 10/01/2025 DD 05/12/20; No. of SHARES - 300,000	299,697	327,345
AERCAP IRELAND CAPITAL DAC / A	FIXED INCOME; CORP; 3.875% 01/23/2028 DD 01/23/18; No. of SHARES - 200,000	185,180	165,070
ALLY FINANCIAL INC	FIXED INCOME; CORP; 3.875% 05/21/2024 DD 05/21/19; No. of SHARES - 800,000	791,936	808,072
BGC PARTNERS INC	DD 07/24/18; No. of SHARES - 500,000	497,580	503,115
REGS	DD 10/12/17; No. of SHARES - 700,000	691,383	720,552
BANCO SANTANDER SA	DD 04/12/18; No. of SHARES - 500,000	500,000	546,895
BANCO SANTANDER SA	DD 06/27/19; No. of SHARES - 220,000	220,000	231,719
BANCO SANTANDER SA	DD 05/28/20; No. of SHARES - 185,000	185,000	188,957
BANK OF AMERICA NA	DD 10/26/06; No. of SHARES - 550,000	690,223	765,215
BANK OF AMERICA CORP	DD 01/20/17; No. of SHARES - 1,545,000	1,568,639	1,716,557
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 04/24/2028 DD 04/24/17; No. of SHARES - 1,545,000	1,555,429	1,707,225
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 12/20/2028 DD 12/20/17; No. of SHARES - 335,000	329,670	364,658
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 03/05/2029 DD 03/05/18; No. of SHARES - 260,000	265,699	293,803
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 07/23/2029 DD 07/23/18; No. of SHARES - 220,000	230,322	254,335
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 03/15/2050 DD 03/15/19; No. of SHARES - 495,000	515,587	612,845
BANK OF AMERICA CORP	FIXED INCOME; CORP; VAR RT 04/23/2040 DD 04/23/19; No. of SHARES - 1,775,000	1,781,585	2,073,076

	BANK OF AMERICA CORP	DD 04/23/19; No. of SHARES - 1,025,000	1,028,803	1,197,128
	BANK OF AMERICA CORP	DD 02/13/20; No. of SHARES - 160,000	164,018	162,728
	BANK OF AMERICA CORP	DD 03/20/20; No. of SHARES - 593,000	593,000	702,343
	BANK OF AMERICA CORP	DD 04/29/20; No. of SHARES - 490,000	490,000	502,667
*	CORP/T	DD 04/30/18; No. of SHARES - 1,000,000	997,780	1,191,720
	BROOKFIELD FINANCE INC	DD 09/14/17; No. of SHARES - 500,000	496,095	512,505
	BROOKFIELD FINANCE LLC	DD 02/21/20; No. of SHARES - 100,000	98,971	83,744
	CITIGROUP INC	DD 06/06/02; No. of SHARES - 185,000	228,923	244,313
	CITIGROUP INC	DD 05/06/14; No. of SHARES - 85,000	96,137	107,073
	CITIGROUP INC	DD 10/21/16; No. of SHARES - 200,000	185,910	213,444
	CITIGROUP INC	DD 01/10/17; No. of SHARES - 1,760,000	1,789,533	1,930,650
	CITIGROUP INC	DD 07/24/17; No. of SHARES - 2,205,000	2,360,320	2,403,406
	CITIGROUP INC	DD 01/24/18; No. of SHARES - 395,000	386,468	437,948
	CITIGROUP INC	DD 07/23/18; No. of SHARES - 190,000	243,016	235,773
	CITIGROUP INC	DD 11/05/19; No. of SHARES - 345,000	345,175	358,189
	INC	DD 07/25/19; No. of SHARES - 1,200,000	1,197,576	1,241,160
	CORP/TH	DD 02/03/20; No. of SHARES - 500,000	500,000	477,370
	NY	DD 11/12/19; No. of SHARES - 1,000,000	999,880	1,019,750
	YORK NY	DD 02/27/18; No. of SHARES - 100,000	98,191	102,142
	YORK NY	DD 11/26/19; No. of SHARES - 800,000	800,000	824,016
	DISCOVER FINANCIAL SERVICES	FIXED INCOME; CORP; 4.100% 02/09/2027 DD 02/09/17; No. of SHARES - 900,000	869,661	943,821
	GE CAPITAL INTERNATIONAL FUNDING	FIXED INCOME; CORP; 4.418% 11/15/2035 DD 05/15/16; No. of SHARES - 4,065,000	3,843,092	4,061,626
	GE CAPITAL INTERNATIONAL FUNDING	FIXED INCOME; CORP; 4.418% 11/15/2035 DD 05/15/16; No. of SHARES - 3,885,000	3,776,652	3,881,775
	GENERAL MOTORS FINANCIAL CO	FIXED INCOME; CORP; 5.250% 03/01/2026 DD 03/01/16; No. of SHARES - 2,263,000	2,377,702	2,366,374
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; 4.800% 07/08/2044 DD 07/08/14; No. of SHARES - 780,000	840,138	965,320
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; VAR RT 04/23/2029 DD 01/23/18; No. of SHARES - 4,055,000	4,411,281	4,464,271
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; VAR RT 04/23/2039 DD 04/23/18; No. of SHARES - 130,000	132,968	149,765
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; 3.800% 03/15/2030 DD 03/19/20; No. of SHARES - 270,000	267,851	299,503
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; 5.150% 05/22/2045 DD 05/22/15; No. of SHARES - 450,000	490,115	555,786
	GOLDMAN SACHS GROUP INC/ THE	FIXED INCOME; CORP; VAR RT 10/31/2038 DD 10/31/17; No. of SHARES - 185,000	204,904	204,738
	THE	DD 10/31/17; No. of SHARES - 675,000	655,871	747,016
	HSBC HOLDINGS PLC	DD 09/12/18; No. of SHARES - 200,000	200,000	196,504
	HSBC BANK USA NA	DD 06/18/08; No. of SHARES - 285,000	384,095	418,446
	INTERCONTINENTAL EXCHANGE INC	FIXED INCOME; CORP; 2.350% 09/15/2022 DD 08/17/17; No. of SHARES - 700,000	698,397	722,154
	JPMORGAN CHASE & CO	FIXED INCOME; CORP; 5.500% 10/15/2040 DD 10/21/10; No. of SHARES - 155,000	186,935	213,739
	JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 02/22/2048 DD 02/22/17; No. of SHARES - 230,000	237,675	279,243

JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 07/24/2038 DD 07/24/17; No. of SHARES - 580,000	661,739	663,688
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 07/24/2038 DD 07/24/17; No. of SHARES - 50,000	49,235	57,215
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 07/24/2048 DD 07/24/17; No. of SHARES - 290,000	289,008	340,715
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 11/15/2048 DD 11/10/17; No. of SHARES - 680,000	667,916	795,824
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 01/23/2049 DD 01/23/18; No. of SHARES - 285,000	278,285	328,431
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 04/23/2029 DD 04/23/18; No. of SHARES - 2,750,000	3,112,450	3,105,273
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 05/06/2030 DD 05/06/19; No. of SHARES - 1,890,000	1,904,685	2,103,192
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 05/06/2030 DD 05/06/19; No. of SHARES - 70,000	77,147	77,896
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 10/15/2030 DD 09/12/19; No. of SHARES - 305,000	302,985	316,197
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 04/22/2041 DD 04/22/20; No. of SHARES - 455,000	455,000	474,133
JPMORGAN CHASE & CO	FIXED INCOME; CORP; VAR RT 04/22/2051 DD 04/22/20; No. of SHARES - 955,000	955,000	964,053
JPMORGAN CHASE & CO	FIXED INCOME; CORP; 5.400% 01/06/2042 DD 12/22/11; No. of SHARES - 335,000	401,779	458,364
LLOYDS BANKING GROUP PLC	FIXED INCOME; CORP; 4.550% 08/16/2028 DD 08/16/18; No. of SHARES - 400,000	398,792	457,160
MASTERCARD INC	FIXED INCOME; CORP; 3.650% 06/01/2049 DD 05/31/19; No. of SHARES - 1,450,000	1,447,898	1,743,567
MASTERCARD INC	FIXED INCOME; CORP; 3.850% 03/26/2050 DD 03/26/20; No. of SHARES - 90,000	89,618	115,042
MASTERCARD INC	FIXED INCOME; CORP; 3.850% 03/26/2050 DD 03/26/20; No. of SHARES - 530,000	527,753	677,467
MITSUBISHI UFJ FINANCIAL GROUP	FIXED INCOME; CORP; VAR RT 07/26/2023 DD 07/26/18; No. of SHARES - 1,400,000	1,403,486	1,381,450
MITSUBISHI UFJ FINANCIAL GROUP	FIXED INCOME; CORP; 4.153% 03/07/2039 DD 03/07/19; No. of SHARES - 500,000	500,000	573,465
MITSUBISHI UFJ FINANCIAL GROUP	FIXED INCOME; CORP; 4.153% 03/07/2039 DD 03/07/19; No. of SHARES - 255,000	267,587	292,467
MITSUBISHI UFJ FINANCIAL GROUP	FIXED INCOME; CORP; 3.751% 07/18/2039 DD 07/18/19; No. of SHARES - 515,000	515,000	566,222
MIZUHO FINANCIAL GROUP INC	FIXED INCOME; CORP; VAR RT 09/11/2024 DD 09/11/18; No. of SHARES - 600,000	600,000	586,146
MIZUHO FINANCIAL GROUP INC	FIXED INCOME; CORP; VAR RT 07/16/2025 DD 07/16/19; No. of SHARES - 1,400,000	1,400,000	1,450,302
MORGAN STANLEY	FIXED INCOME; CORP; VAR RT 01/23/2030 DD 01/23/19; No. of SHARES - 1,200,000	1,269,684	1,402,320
MORGAN STANLEY	FIXED INCOME; CORP; VAR RT 01/22/2031 DD 01/22/20; No. of SHARES - 2,410,000	2,410,000	2,487,168
MORGAN STANLEY	FIXED INCOME; CORP; VAR RT 07/22/2028 DD 07/24/17; No. of SHARES - 1,440,000	1,534,737	1,583,323
MORGAN STANLEY	FIXED INCOME; CORP; VAR RT 07/22/2038 DD 07/24/17; No. of SHARES - 370,000	365,357	422,869
MORGAN STANLEY	FIXED INCOME; CORP; 4.300% 01/27/2045 DD 01/27/15; No. of SHARES - 235,000	242,139	285,464
MORGAN STANLEY	FIXED INCOME; CORP; 6.375% 07/24/2042 DD 07/24/12; No. of SHARES - 360,000	476,021	540,886
ORIX CORP	FIXED INCOME; CORP; 4.050% 01/16/2024 DD 01/16/19; No. of SHARES - 1,100,000	1,099,065	1,190,706

PNC FINANCIAL SERVICES GROUP I	FIXED INCOME; CORP; 3.450% 04/23/2029 DD 04/22/19; No. of SHARES - 410,000	427,865	462,021
PNC BANK NA	FIXED INCOME; CORP; 2.700% 10/22/2029 DD 10/22/19; No. of SHARES - 220,000	219,083	231,634
NATWEST GROUP PLC	FIXED INCOME; CORP; VAR RT 06/25/2024 DD 06/25/18; No. of SHARES - 200,000	210,324	214,352
SANTANDER UK PLC	FIXED INCOME; CORP; 2.875% 06/18/2024 DD 06/18/19; No. of SHARES - 600,000	597,756	634,818
ONEMAIN FINANCE CORP	FIXED INCOME; CORP; 8.875% 06/01/2025 DD 05/14/20; No. of SHARES - 600,000	600,000	624,000
STIFEL FINANCIAL CORP	FIXED INCOME; CORP; 4.000% 05/15/2030 DD 05/20/20; No. of SHARES - 400,000	397,140	410,568
SUMITOMO MITSUI FINANCIAL GROU	FIXED INCOME; CORP; 2.696% 07/16/2024 DD 07/16/19; No. of SHARES - 1,000,000	1,000,000	1,046,390
SUMITOMO MITSUI FINANCIAL GROU	FIXED INCOME; CORP; 3.040% 07/16/2029 DD 07/16/19; No. of SHARES - 190,000	190,000	201,841
TRUIST BANK	FIXED INCOME; CORP; 2.250% 03/11/2030 DD 03/09/20; No. of SHARES - 290,000	289,536	286,175
VISA INC	FIXED INCOME; CORP; 4.300% 12/14/2045 DD 12/14/15; No. of SHARES - 745,000	813,108	984,622
VISA INC	FIXED INCOME; CORP; 2.700% 04/15/2040 DD 04/02/20; No. of SHARES - 105,000	104,227	111,452
VISA INC	FIXED INCOME; CORP; 1.900% 04/15/2027 DD 04/02/20; No. of SHARES - 505,000	503,576	528,735
WELLS FARGO & CO	FIXED INCOME; CORP; 5.606% 01/15/2044 DD 11/26/13; No. of SHARES - 370,000	455,283	489,085
WELLS FARGO & CO	FIXED INCOME; CORP; 4.650% 11/04/2044 DD 11/04/14; No. of SHARES - 475,000	495,268	565,046
WELLS FARGO & CO	FIXED INCOME; CORP; 4.900% 11/17/2045 DD 11/17/15; No. of SHARES - 325,000	351,413	393,396
WELLS FARGO & CO	FIXED INCOME; CORP; 4.400% 06/14/2046 DD 06/14/16; No. of SHARES - 830,000	839,495	939,220
WELLS FARGO & CO	FIXED INCOME; CORP; 4.750% 12/07/2046 DD 12/08/16; No. of SHARES - 745,000	811,777	878,549
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 06/17/2027 DD 06/17/19; No. of SHARES - 200,000	200,000	212,862
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 10/30/2030 DD 10/31/19; No. of SHARES - 530,000	530,333	550,463
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 02/11/2031 DD 02/11/20; No. of SHARES - 210,000	203,276	211,506
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 04/04/2051 DD 03/30/20; No. of SHARES - 215,000	286,511	280,979
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 04/30/2041 DD 04/30/20; No. of SHARES - 2,185,000	2,185,000	2,215,524
WELLS FARGO & CO	FIXED INCOME; CORP; VAR RT 06/02/2028 DD 06/02/20; No. of SHARES - 1,615,000	1,615,000	1,629,018
LLOYDS BANK PLC REGS	No. of SHARES - 200,000	153,000	163,723
BOC AVIATION LTD REGS	No. of SHARES - 200,000	209,650	207,560
DEERE & CO	DD 03/30/20; No. of SHARES - 75,000	74,999	90,773
DEERE & CO	FIXED INCOME; CORP; 3.750% 04/15/2050 DD 03/30/20; No. of SHARES - 310,000	309,994	375,193
EATON CORP	FIXED INCOME; CORP; 4.000% 11/02/2032 DD 11/02/13; No. of SHARES - 700,000	737,345	796,453
GENERAL ELECTRIC CO	FIXED INCOME; CORP; 3.450% 05/01/2027 DD 04/22/20; No. of SHARES - 535,000	534,171	531,924

GENERAL ELECTRIC CO	FIXED INCOME; CORP; 4.250% 05/01/2040 DD 04/22/20; No. of SHARES - 345,000	344,027	335,544
GENERAL ELECTRIC CO	FIXED INCOME; CORP; 4.350% 05/01/2050 DD 04/22/20; No. of SHARES - 295,000	293,968	288,100
GENERAL ELECTRIC CO	FIXED INCOME; CORP; 4.350% 05/01/2050 DD 04/22/20; No. of SHARES - 500,000	498,250	488,305
GENERAL ELECTRIC CO	FIXED INCOME; CORP; 5.875% 01/14/2038 DD 01/14/08; No. of SHARES - 390,000	481,948	435,271
WESTINGHOUSE AIR BRAKE TECHNOL	FIXED INCOME; CORP; VAR RT 09/15/2021 DD 09/14/18; No. of SHARES - 900,000	900,000	855,684
KENTUCKY UTILITIES CO	FIXED INCOME; CORP; 5.125% 11/01/2040 DD 05/01/11; No. of SHARES - 535,000	637,014	700,010
AIR PRODUCTS AND CHEMICALS INC	FIXED INCOME; CORP; 2.700% 05/15/2040 DD 04/30/20; No. of SHARES - 150,000	149,583	155,679
AIR PRODUCTS AND CHEMICALS INC	FIXED INCOME; CORP; 2.800% 05/15/2050 DD 04/30/20; No. of SHARES - 285,000	282,168	297,982
BRASKEM FINANCE LTD	FIXED INCOME; CORP; 6.450% 02/03/2024 DD 02/03/14; No. of SHARES - 200,000	210,700	209,958
LYB INTERNATIONAL FINANCE III	FIXED INCOME; CORP; 4.200% 10/15/2049 DD 10/10/19; No. of SHARES - 760,000	767,024	807,827
LYB INTERNATIONAL FINANCE III	FIXED INCOME; CORP; 4.200% 05/01/2050 DD 04/20/20; No. of SHARES - 340,000	339,836	359,132
WESTLAKE CHEMICAL CORP	FIXED INCOME; CORP; 4.375% 11/15/2047 DD 11/28/17; No. of SHARES - 590,000	523,082	530,723
BRASKEM NETHERLANDS FINAN REGS	FIXED INCOME; CORP; 4.500% 01/10/2028 DD 10/10/17; No. of SHARES - 200,000	197,990	181,500
CCP CDX SP UL IG 27 5Y	FIXED INCOME; CORP; 2021 DEC 20 ICE; No. of SHARES - -3,700,000	(53,177)	(4,336)
CCP_CDX. BP UL CDX-NAIGS28V1-5	FIXED INCOME; CORP; PAY 100BPS 2022 JUN 20; No. of SHARES - 4,800,000	(75,726)	(5,126)
CCP_CDS. BP UL NEWELL BRANDS I	FIXED INCOME; CORP; PAY 100BPS 2023 JUN 20; No. of SHARES - 700,000	(8,901)	3,502
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; REC 2.75% 2029 DEC 18; No. of SHARES - 38,000,000	4,688,447	7,627,638
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; REC 2.74% 2023 DEC 05; No. of SHARES - 11,000,000	—	949,211
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 3.0% 2023 FEB 04; No. of SHARES - 40,900,000	—	(2,263,848)
CCP_IRS. P USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; REC 2.45% 2022 MAY 13; No. of SHARES - 71,700,000	—	3,072,844
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 2.51% 2030 MAY 13; No. of SHARES - 14,700,000	—	(2,701,149)
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 1.5% 2050 JUN 17; No. of SHARES - 28,100,000	2,771,557	(4,359,713)
CCP_IRS._R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 1.5% 2050 JUN 17; No. of SHARES - -28,100,000	(502,133)	—
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 1.25% 2025 JUN 17; No. of SHARES - 5,800,000	(22,823)	(257,687)
CCP_IRS. R USD-LIBOR-BBA 3M CM	FIXED INCOME; CORP; PAY 0.96% 2030 MAR 31; No. of SHARES - 1,800,000	—	(54,604)
BANK 2019-BNK20 BN20 A3	FIXED INCOME; CORP; 3.011% 09/15/2062 DD 09/01/19; No. of SHARES - 137,000	141,106	148,268
BANK 2019-BNK21 BN21 A5	FIXED INCOME; CORP; 2.851% 10/17/2052 DD 10/01/19; No. of SHARES - 221,000	227,624	236,256
GS MORTGAGE SECURITIES GS3 AAB	FIXED INCOME; CORP; 2.777% 10/10/2049 DD 09/01/16; No. of SHARES - 1,200,000	1,235,991	1,241,472
JP MORGAN CHASE COMMER JP4 ASB	FIXED INCOME; CORP; VAR RT 12/15/2049 DD 12/01/16; No. of SHARES - 2,600,000	2,677,990	2,768,506

MORGAN STANLEY BANK OF C30 ASB	FIXED INCOME; CORP; 2.729% 09/15/2049 DD 09/01/16; No. of SHARES - 400,000	411,990	414,212
GLOBAL PAYMENTS INC	FIXED INCOME; CORP; 2.650% 02/15/2025 DD 08/14/19; No. of SHARES - 1,100,000	1,099,725	1,152,228
IHS MARKIT LTD	FIXED INCOME; CORP; 4.250% 05/01/2029 DD 04/08/19; No. of SHARES - 300,000	324,108	328,479
MASSACHUSETTS INSTITUTE OF TECH	FIXED INCOME; CORP; 5.600% 07/01/2111 DD 05/18/11; No. of SHARES - 275,000	393,962	486,918
MASSACHUSETTS INSTITUTE OF TECH	FIXED INCOME; CORP; 2.294% 07/01/2051 DD 05/07/20; No. of SHARES - 930,000	930,000	923,155
PAYPAL HOLDINGS INC	FIXED INCOME; CORP; 2.400% 10/01/2024 DD 09/26/19; No. of SHARES - 1,700,000	1,698,963	1,795,421
PRESIDENT AND FELLOWS OF HARVA	FIXED INCOME; CORP; 2.517% 10/15/2050 DD 04/21/20; No. of SHARES - 715,000	715,000	742,570
RELX CAPITAL INC	FIXED INCOME; CORP; 4.000% 03/18/2029 DD 03/18/19; No. of SHARES - 700,000	691,873	783,258
LELAND STANFORD JUNIOR UNIVERSITY	FIXED INCOME; CORP; 3.647% 05/01/2048 DD 04/11/17; No. of SHARES - 3,090,000	3,268,398	3,908,510
UNIVERSITY OF SOUTHERN CALIFORNIA	FIXED INCOME; CORP; 3.841% 10/01/2047 DD 04/18/17; No. of SHARES - 500,000	536,035	608,100
INDIANA MICHIGAN POWER CO	FIXED INCOME; CORP; 4.250% 08/15/2048 DD 08/08/18; No. of SHARES - 335,000	346,336	401,632
GEORGIA POWER CO	FIXED INCOME; CORP; 4.300% 03/15/2042 DD 03/06/12; No. of SHARES - 285,000	289,734	329,802
DUKE ENERGY FLORIDA LLC	FIXED INCOME; CORP; 6.400% 06/15/2038 DD 06/18/08; No. of SHARES - 170,000	228,652	257,006
DUKE ENERGY FLORIDA LLC	FIXED INCOME; CORP; 6.350% 09/15/2037 DD 09/18/07; No. of SHARES - 700,000	920,129	1,011,752
FLORIDA POWER & LIGHT CO	FIXED INCOME; CORP; 3.150% 10/01/2049 DD 09/13/19; No. of SHARES - 45,000	45,348	50,517
FLORIDA POWER & LIGHT CO	FIXED INCOME; CORP; 3.700% 12/01/2047 DD 11/16/17; No. of SHARES - 1,800,000	1,769,292	2,166,732
FLORIDA POWER & LIGHT CO	FIXED INCOME; CORP; 4.050% 06/01/2042 DD 05/15/12; No. of SHARES - 500,000	517,865	616,560
FLORIDA POWER & LIGHT CO	FIXED INCOME; CORP; 5.950% 02/01/2038 DD 01/16/08; No. of SHARES - 75,000	97,602	112,757
FIRSTENERGY CORP	FIXED INCOME; CORP; 4.850% 07/15/2047 DD 06/21/17; No. of SHARES - 220,000	234,964	277,517
EXELON CORP	FIXED INCOME; CORP; 4.050% 04/15/2030 DD 04/01/20; No. of SHARES - 600,000	598,764	691,272
EXELON CORP	FIXED INCOME; CORP; 4.450% 04/15/2046 DD 04/07/16; No. of SHARES - 215,000	218,444	252,862
EXELON GENERATION CO LLC	FIXED INCOME; CORP; 3.250% 06/01/2025 DD 05/15/20; No. of SHARES - 600,000	598,884	621,114
EXELON GENERATION CO LLC	FIXED INCOME; CORP; 5.600% 06/15/2042 DD 12/15/12; No. of SHARES - 675,000	721,258	766,611
ENTERGY TEXAS INC	FIXED INCOME; CORP; 3.550% 09/30/2049 DD 09/20/19; No. of SHARES - 245,000	274,831	261,295
ENTERGY LOUISIANA LLC	FIXED INCOME; CORP; 2.900% 03/15/2051 DD 03/06/20; No. of SHARES - 125,000	120,679	127,603
ENTERGY LOUISIANA LLC	FIXED INCOME; CORP; 4.200% 09/01/2048 DD 08/14/18; No. of SHARES - 300,000	299,433	377,481
AMAZON.COM INC	FIXED INCOME; CORP; 3.875% 08/22/2037 DD 02/22/18; No. of SHARES - 235,000	244,245	287,877
AMAZON.COM INC	FIXED INCOME; CORP; 4.050% 08/22/2047 DD 02/22/18; No. of SHARES - 3,265,000	3,432,788	4,302,748
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 6.384% 10/23/2035 DD 10/23/16; No. of SHARES - 395,000	473,605	517,308

CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 6.384% 10/23/2035 DD 10/23/16; No. of SHARES - 1,010,000	1,116,585	1,322,736
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 6.484% 10/23/2045 DD 10/23/16; No. of SHARES - 940,000	1,142,147	1,234,981
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 5.375% 04/01/2038 DD 04/17/18; No. of SHARES - 200,000	197,692	238,694
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 5.750% 04/01/2048 DD 04/17/18; No. of SHARES - 300,000	299,118	368,643
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 5.750% 04/01/2048 DD 04/17/18; No. of SHARES - 405,000	417,276	497,668
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; VAR RT 02/01/2024 DD 07/03/18; No. of SHARES - 1,200,000	1,200,000	1,188,876
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 5.125% 07/01/2049 DD 07/10/19; No. of SHARES - 500,000	499,400	581,280
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 4.800% 03/01/2050 DD 10/24/19; No. of SHARES - 990,000	1,007,860	1,102,523
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 4.800% 03/01/2050 DD 10/24/19; No. of SHARES - 925,000	944,113	1,030,136
CHARTER COMMUNICATIONS OPERATION	FIXED INCOME; CORP; 3.700% 04/01/2051 DD 04/17/20; No. of SHARES - 1,780,000	1,766,063	1,706,112
COMCAST CORP	FIXED INCOME; CORP; 5.650% 06/15/2035 DD 06/09/05; No. of SHARES - 155,000	183,652	218,888
COMCAST CORP	FIXED INCOME; CORP; 6.400% 05/15/2038 DD 05/07/08; No. of SHARES - 80,000	102,921	117,061
COMCAST CORP	FIXED INCOME; CORP; 4.250% 01/15/2033 DD 01/14/13; No. of SHARES - 295,000	312,886	356,242
COMCAST CORP	FIXED INCOME; CORP; 4.200% 08/15/2034 DD 08/12/14; No. of SHARES - 630,000	663,157	765,261
COMCAST CORP	FIXED INCOME; CORP; 4.600% 08/15/2045 DD 05/27/15; No. of SHARES - 335,000	356,423	424,482
COMCAST CORP	FIXED INCOME; CORP; 3.969% 11/01/2047 DD 10/19/17; No. of SHARES - 325,000	320,753	384,075
COMCAST CORP	FIXED INCOME; CORP; 3.900% 03/01/2038 DD 02/08/18; No. of SHARES - 175,000	173,598	204,262
COMCAST CORP	FIXED INCOME; CORP; 4.600% 10/15/2038 DD 10/05/18; No. of SHARES - 285,000	307,316	354,457
COMCAST CORP	FIXED INCOME; CORP; 4.700% 10/15/2048 DD 10/05/18; No. of SHARES - 2,015,000	2,196,576	2,626,150
COMCAST CORP	FIXED INCOME; CORP; 4.700% 10/15/2048 DD 10/05/18; No. of SHARES - 4,860,000	5,296,950	6,334,038
COMCAST CORP	FIXED INCOME; CORP; 4.950% 10/15/2058 DD 10/05/18; No. of SHARES - 250,000	280,150	350,243
COMCAST CORP	FIXED INCOME; CORP; 3.400% 04/01/2030 DD 03/27/20; No. of SHARES - 185,000	184,673	209,675
WALT DISNEY CO/THE	FIXED INCOME; CORP; 6.650% 11/15/2037 DD 11/15/19; No. of SHARES - 330,000	450,476	487,040
WALT DISNEY CO/THE	FIXED INCOME; CORP; 5.400% 10/01/2043 DD 10/01/19; No. of SHARES - 15,000	18,341	20,079
WALT DISNEY CO/THE	FIXED INCOME; CORP; 4.950% 10/15/2045 DD 10/15/19; No. of SHARES - 80,000	94,334	102,973
WALT DISNEY CO/THE	FIXED INCOME; CORP; 2.750% 09/01/2049 DD 09/06/19; No. of SHARES - 545,000	527,424	529,141
WALT DISNEY CO/THE	FIXED INCOME; CORP; 3.500% 05/13/2040 DD 05/13/20; No. of SHARES - 360,000	359,640	395,824
WALT DISNEY CO/THE	FIXED INCOME; CORP; 3.600% 01/13/2051 DD 05/13/20; No. of SHARES - 445,000	444,395	493,487
WALT DISNEY CO/THE	FIXED INCOME; CORP; 3.600% 01/13/2051 DD 05/13/20; No. of SHARES - 1,800,000	1,797,552	1,996,128

WALT DISNEY CO/THE	FIXED INCOME; CORP; 3.800% 05/13/2060 DD 05/13/20; No. of SHARES - 105,000	104,850	119,755
DISCOVERY COMMUNICATIONS LLC	FIXED INCOME; CORP; 5.000% 09/20/2037 DD 09/21/17; No. of SHARES - 260,000	255,026	285,095
DISCOVERY COMMUNICATIONS LLC	FIXED INCOME; CORP; 5.200% 09/20/2047 DD 09/21/17; No. of SHARES - 290,000	286,208	322,025
DISCOVERY COMMUNICATIONS LLC	FIXED INCOME; CORP; 4.125% 05/15/2029 DD 05/21/19; No. of SHARES - 1,200,000	1,197,960	1,283,868
FOX CORP	FIXED INCOME; CORP; 5.476% 01/25/2039 DD 01/25/20; No. of SHARES - 200,000	223,368	256,854
FOX CORP	FIXED INCOME; CORP; 5.576% 01/25/2049 DD 01/25/20; No. of SHARES - 230,000	265,876	309,115
FOX CORP	FIXED INCOME; CORP; 3.500% 04/08/2030 DD 04/07/20; No. of SHARES - 475,000	474,045	511,347
NBCUNIVERSAL MEDIA LLC	FIXED INCOME; CORP; 4.450% 01/15/2043 DD 10/05/12; No. of SHARES - 270,000	279,331	333,059
OMNICOM GROUP INC	FIXED INCOME; CORP; 4.200% 06/01/2030 DD 04/01/20; No. of SHARES - 695,000	692,359	753,019
TIME WARNER CABLE LLC	FIXED INCOME; CORP; 6.550% 05/01/2037 DD 04/09/07; No. of SHARES - 95,000	115,481	121,338
TIME WARNER CABLE LLC	FIXED INCOME; CORP; 6.750% 06/15/2039 DD 06/29/09; No. of SHARES - 320,000	353,843	420,176
TIME WARNER CABLE LLC	FIXED INCOME; CORP; 5.875% 11/15/2040 DD 11/15/10; No. of SHARES - 215,000	218,055	264,315
TIME WARNER CABLE LLC	FIXED INCOME; CORP; 4.500% 09/15/2042 DD 08/10/12; No. of SHARES - 305,000	271,341	327,113
VIACOMCBS INC	FIXED INCOME; CORP; 6.875% 04/30/2036 DD 04/12/06; No. of SHARES - 165,000	194,957	201,909
VIACOMCBS INC	FIXED INCOME; CORP; 4.375% 03/15/2043 DD 03/15/13; No. of SHARES - 135,000	121,472	128,926
VIACOMCBS INC	FIXED INCOME; CORP; 5.850% 09/01/2043 DD 08/19/13; No. of SHARES - 1,440,000	1,575,901	1,562,429
VIACOMCBS INC	FIXED INCOME; CORP; 4.950% 05/19/2050 DD 05/19/20; No. of SHARES - 435,000	415,129	447,515
VIACOMCBS INC	FIXED INCOME; CORP; 4.200% 05/19/2032 DD 05/19/20; No. of SHARES - 1,560,000	1,519,362	1,631,042
CDS SP UL RUSSIAN FEDERATION	FIXED INCOME; CORP; R 100BPS 2021 DEC 20; No. of SHARES - 600,000	(16,048)	4,944
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; CORP; R 500BPS 2023 JUN 20; No. of SHARES - 800,000	51,481	(544,695)
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; CORP; R 500BPS 2023 JUN 20; No. of SHARES - 200,000	10,777	(136,174)
CDS SP UL REPUBLIC OF INDONESIA	FIXED INCOME; CORP; R 100BPS 2023 JUN 20; No. of SHARES - 200,000	(2,993)	281
CDS SP UL ARGENTINE REPUBLIC	FIXED INCOME; CORP; R 500BPS 2023 JUN 20; No. of SHARES - 400,000	17,362	(272,347)
ENTERGY LOUISIANA LLC	FIXED INCOME; CORP; 3.120% 09/01/2027 DD 05/23/17; No. of SHARES - 500,000	499,755	538,010
EMERA US FINANCE LP	FIXED INCOME; CORP; 4.750% 06/15/2046 DD 12/15/16; No. of SHARES - 330,000	338,191	372,610
EDISON INTERNATIONAL	FIXED INCOME; CORP; 5.750% 06/15/2027 DD 06/21/19; No. of SHARES - 500,000	500,000	564,525
DUKE ENERGY FLORIDA LLC	FIXED INCOME; CORP; 3.800% 07/15/2028 DD 06/21/18; No. of SHARES - 1,000,000	998,150	1,159,840
DUKE ENERGY INDIANA LLC	FIXED INCOME; CORP; 3.250% 10/01/2049 DD 09/27/19; No. of SHARES - 982,000	1,100,194	1,067,267
DUKE ENERGY INDIANA LLC	FIXED INCOME; CORP; 3.750% 05/15/2046 DD 05/12/16; No. of SHARES - 440,000	427,737	505,362

DUKE ENERGY PROGRESS LLC	FIXED INCOME; CORP; 3.600% 09/15/2047 DD 09/08/17; No. of SHARES - 2,190,000	2,063,528	2,466,050
DUKE ENERGY OHIO INC	FIXED INCOME; CORP; 4.300% 02/01/2049 DD 01/08/19; No. of SHARES - 180,000	223,871	223,126
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 3.200% 08/15/2049 DD 08/14/19; No. of SHARES - 400,000	398,928	433,020
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 3.200% 08/15/2049 DD 08/14/19; No. of SHARES - 970,000	977,702	1,050,074
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 2.450% 08/15/2029 DD 08/14/19; No. of SHARES - 200,000	199,754	212,968
ALTRIA GROUP INC	FIXED INCOME; CORP; 5.375% 01/31/2044 DD 10/31/13; No. of SHARES - 210,000	242,022	247,139
ALTRIA GROUP INC	FIXED INCOME; CORP; 3.875% 09/16/2046 DD 09/16/16; No. of SHARES - 50,000	41,780	48,700
ALTRIA GROUP INC	FIXED INCOME; CORP; 5.800% 02/14/2039 DD 02/14/19; No. of SHARES - 140,000	159,699	170,610
ALTRIA GROUP INC	FIXED INCOME; CORP; 5.950% 02/14/2049 DD 02/14/19; No. of SHARES - 2,265,000	2,753,695	2,933,084
ALTRIA GROUP INC	FIXED INCOME; CORP; 5.950% 02/14/2049 DD 02/14/19; No. of SHARES - 685,000	766,438	887,048
ALTRIA GROUP INC	FIXED INCOME; CORP; 4.450% 05/06/2050 DD 05/06/20; No. of SHARES - 219,000	217,244	237,278
ALTRIA GROUP INC	FIXED INCOME; CORP; 4.450% 05/06/2050 DD 05/06/20; No. of SHARES - 225,000	227,821	243,779
ANHEUSER-BUSCH COS LLC	FIXED INCOME; CORP; 4.900% 02/01/2046 DD 02/01/19; No. of SHARES - 1,950,000	1,994,090	2,257,632
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 4.439% 10/06/2048 DD 04/06/17; No. of SHARES - 2,618,000	2,549,928	2,862,390
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 5.450% 01/23/2039 DD 01/23/19; No. of SHARES - 1,115,000	1,229,934	1,372,164
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 5.550% 01/23/2049 DD 01/23/19; No. of SHARES - 312,000	348,167	391,388
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 5.800% 01/23/2059 DD 01/23/19; No. of SHARES - 500,000	498,225	657,175
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 4.375% 04/15/2038 DD 04/04/18; No. of SHARES - 570,000	559,102	633,356
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 4.600% 04/15/2048 DD 04/04/18; No. of SHARES - 495,000	527,561	551,331
ANHEUSER-BUSCH INBEV WORLDWIDE	FIXED INCOME; CORP; 4.600% 04/15/2048 DD 04/04/18; No. of SHARES - 405,000	398,690	451,089
BAT CAPITAL CORP	FIXED INCOME; CORP; 4.390% 08/15/2037 DD 08/15/18; No. of SHARES - 1,560,000	1,417,655	1,647,875
BAT CAPITAL CORP	FIXED INCOME; CORP; 4.540% 08/15/2047 DD 08/15/18; No. of SHARES - 200,000	178,250	212,742
BAT CAPITAL CORP	FIXED INCOME; CORP; 4.700% 04/02/2027 DD 04/02/20; No. of SHARES - 1,160,000	1,160,000	1,297,959
BAT CAPITAL CORP	FIXED INCOME; CORP; 5.282% 04/02/2050 DD 04/02/20; No. of SHARES - 250,000	250,000	293,040
COCA-COLA CO/THE	FIXED INCOME; CORP; 2.500% 06/01/2040 DD 05/01/20; No. of SHARES - 455,000	454,777	459,031
COCA-COLA CO/THE	FIXED INCOME; CORP; 2.600% 06/01/2050 DD 05/01/20; No. of SHARES - 385,000	384,754	380,673
CONSTELLATION BRANDS INC	FIXED INCOME; CORP; 4.500% 05/09/2047 DD 05/09/17; No. of SHARES - 195,000	190,827	219,352
CONSTELLATION BRANDS INC	FIXED INCOME; CORP; 4.100% 02/15/2048 DD 02/07/18; No. of SHARES - 181,000	166,965	192,638
CONSTELLATION BRANDS INC	FIXED INCOME; CORP; 4.650% 11/15/2028 DD 10/29/18; No. of SHARES - 120,000	128,846	139,513

CONSTELLATION BRANDS INC	FIXED INCOME; CORP; 5.250% 11/15/2048 DD 10/29/18; No. of SHARES - 30,000	33,964	37,674
DIAGEO CAPITAL PLC	FIXED INCOME; CORP; 3.875% 04/29/2043 DD 04/29/13; No. of SHARES - 310,000	313,618	372,580
DIAGEO CAPITAL PLC	FIXED INCOME; CORP; 2.125% 04/29/2032 DD 04/29/20; No. of SHARES - 150,000	148,772	151,787
FOMENTO ECONOMICO MEXICANO SAB	FIXED INCOME; CORP; 3.500% 01/16/2050 DD 01/16/20; No. of SHARES - 510,000	502,466	518,170
KEURIG DR PEPPER INC	FIXED INCOME; CORP; 4.985% 05/25/2038 DD 05/25/19; No. of SHARES - 135,000	140,297	170,019
KEURIG DR PEPPER INC	FIXED INCOME; CORP; 5.085% 05/25/2048 DD 05/25/19; No. of SHARES - 125,000	130,191	162,409
PEPSICO INC	FIXED INCOME; CORP; 3.600% 08/13/2042 DD 08/13/12; No. of SHARES - 530,000	521,287	622,156
PEPSICO INC	FIXED INCOME; CORP; 3.500% 03/19/2040 DD 03/19/20; No. of SHARES - 210,000	208,387	251,651
PEPSICO INC	FIXED INCOME; CORP; 3.625% 03/19/2050 DD 03/19/20; No. of SHARES - 500,000	498,076	602,450
PEPSICO INC	FIXED INCOME; CORP; 1.625% 05/01/2030 DD 05/01/20; No. of SHARES - 230,000	229,009	232,597
PHILIP MORRIS INTERNATIONAL	FIXED INCOME; CORP; 3.875% 08/21/2042 DD 08/21/12; No. of SHARES - 35,000	32,998	38,361
PHILIP MORRIS INTERNATIONAL	FIXED INCOME; CORP; 4.125% 03/04/2043 DD 03/04/13; No. of SHARES - 105,000	102,039	118,934
PHILIP MORRIS INTERNATIONAL	FIXED INCOME; CORP; 4.875% 11/15/2043 DD 11/12/13; No. of SHARES - 665,000	720,561	831,849
REYNOLDS AMERICAN INC	FIXED INCOME; CORP; 6.150% 09/15/2043 DD 09/17/13; No. of SHARES - 220,000	234,835	266,185
REYNOLDS AMERICAN INC	FIXED INCOME; CORP; 5.850% 08/15/2045 DD 06/12/15; No. of SHARES - 550,000	567,991	665,511
CAMPBELL SOUP CO	FIXED INCOME; CORP; 4.800% 03/15/2048 DD 03/16/18; No. of SHARES - 183,000	176,993	232,743
CAMPBELL SOUP CO	FIXED INCOME; CORP; 3.125% 04/24/2050 DD 04/24/20; No. of SHARES - 155,000	148,950	153,709
KROGER CO/THE	FIXED INCOME; CORP; 4.650% 01/15/2048 DD 07/24/17; No. of SHARES - 65,000	72,097	80,570
KROGER CO/THE	FIXED INCOME; CORP; 5.400% 01/15/2049 DD 01/14/19; No. of SHARES - 330,000	346,867	443,134
KROGER CO/THE	FIXED INCOME; CORP; 3.950% 01/15/2050 DD 01/13/20; No. of SHARES - 360,000	358,547	404,640
MONDELEZ INTERNATIONAL INC	FIXED INCOME; CORP; 2.750% 04/13/2030 DD 04/13/20; No. of SHARES - 1,485,000	1,558,526	1,564,448
TYSON FOODS INC	FIXED INCOME; CORP; 5.100% 09/28/2048 DD 09/28/18; No. of SHARES - 310,000	334,094	397,008
ABBOTT LABORATORIES	FIXED INCOME; CORP; 4.750% 11/30/2036 DD 11/22/16; No. of SHARES - 230,000	256,126	305,196
ABBOTT LABORATORIES	FIXED INCOME; CORP; 4.900% 11/30/2046 DD 11/22/16; No. of SHARES - 2,415,000	2,760,659	3,403,749
ABBOTT LABORATORIES	FIXED INCOME; CORP; 4.900% 11/30/2046 DD 11/22/16; No. of SHARES - 394,000	450,393	555,311
ABBVIE INC	FIXED INCOME; CORP; 4.500% 05/14/2035 DD 05/14/15; No. of SHARES - 1,245,000	1,227,670	1,470,258
ABBVIE INC	FIXED INCOME; CORP; 4.450% 05/14/2046 DD 05/12/16; No. of SHARES - 170,000	157,010	196,836
ABBVIE INC	FIXED INCOME; CORP; 4.875% 11/14/2048 DD 09/18/18; No. of SHARES - 45,000	44,138	56,035
AMGEN INC	FIXED INCOME; CORP; 4.400% 05/01/2045 DD 05/01/15; No. of SHARES - 230,000	224,793	286,874

AMGEN INC	FIXED INCOME; CORP; 4.663% 06/15/2051 DD 12/15/16; No. of SHARES - 100,000	98,164	130,298
AMGEN INC	FIXED INCOME; CORP; 4.663% 06/15/2051 DD 12/15/16; No. of SHARES - 625,000	631,900	814,363
AMGEN INC	FIXED INCOME; CORP; 3.150% 02/21/2040 DD 02/21/20; No. of SHARES - 1,670,000	1,663,370	1,760,547
AMGEN INC	FIXED INCOME; CORP; 3.150% 02/21/2040 DD 02/21/20; No. of SHARES - 585,000	583,565	616,719
AMGEN INC	FIXED INCOME; CORP; 3.375% 02/21/2050 DD 02/21/20; No. of SHARES - 425,000	427,479	456,569
ANTHEM INC	FIXED INCOME; CORP; 4.375% 12/01/2047 DD 11/21/17; No. of SHARES - 235,000	246,811	285,758
ANTHEM INC	FIXED INCOME; CORP; 4.550% 03/01/2048 DD 03/02/18; No. of SHARES - 190,000	189,105	237,181
ANTHEM INC	FIXED INCOME; CORP; 3.700% 09/15/2049 DD 09/09/19; No. of SHARES - 105,000	107,532	117,095
ANTHEM INC	FIXED INCOME; CORP; 2.875% 09/15/2029 DD 09/09/19; No. of SHARES - 900,000	898,911	971,838
ASCENSION HEALTH	FIXED INCOME; CORP; 3.945% 11/15/2046 DD 05/11/16; No. of SHARES - 900,000	884,115	1,109,151
ASTRAZENECA PLC	FIXED INCOME; CORP; 4.000% 01/17/2029 DD 08/17/18; No. of SHARES - 270,000	281,729	319,626
ASTRAZENECA PLC	FIXED INCOME; CORP; 4.375% 08/17/2048 DD 08/17/18; No. of SHARES - 265,000	274,198	348,446
BAYCARE HEALTH SYSTEM INC	FIXED INCOME; CORP; 3.831% 11/15/2050 DD 04/16/20; No. of SHARES - 90,000	90,000	105,580
BECTON DICKINSON AND CO	FIXED INCOME; CORP; 4.669% 06/06/2047 DD 06/06/17; No. of SHARES -295,000	311,645	367,042
BECTON DICKINSON AND CO	FIXED INCOME; CORP; 2.823% 05/20/2030 DD 05/20/20; No. of SHARES - 300,000	300,000	317,808
BECTON DICKINSON AND CO	FIXED INCOME; CORP; 3.794% 05/20/2050 DD 05/20/20; No. of SHARES - 200,000	203,750	224,828
BIOGEN INC	FIXED INCOME; CORP; 3.150% 05/01/2050 DD 04/30/20; No. of SHARES - 230,000	228,100	224,544
BOSTON SCIENTIFIC CORP	FIXED INCOME; CORP; 4.550% 03/01/2039 DD 02/25/19; No. of SHARES - 410,000	429,184	497,662
BOSTON SCIENTIFIC CORP	FIXED INCOME; CORP; 4.700% 03/01/2049 DD 02/25/19; No. of SHARES - 315,000	333,005	403,978
BOSTON SCIENTIFIC CORP	FIXED INCOME; CORP; 2.650% 06/01/2030 DD 05/18/20; No. of SHARES - 300,000	299,553	310,878
CIGNA CORP	FIXED INCOME; CORP; 4.375% 10/15/2028 DD 04/15/19; No. of SHARES - 105,000	108,702	123,287
CIGNA CORP	FIXED INCOME; CORP; 4.800% 08/15/2038 DD 08/15/19; No. of SHARES - 355,000	357,279	443,995
CIGNA CORP	FIXED INCOME; CORP; 4.900% 12/15/2048 DD 06/15/19; No. of SHARES - 1,110,000	1,111,088	1,456,775
CIGNA CORP	FIXED INCOME; CORP; 3.200% 03/15/2040 DD 03/16/20; No. of SHARES - 135,000	134,802	141,674
CIGNA CORP	FIXED INCOME; CORP; 3.200% 03/15/2040 DD 03/16/20; No. of SHARES - 460,000	459,324	482,742
CIGNA CORP	FIXED INCOME; CORP; 3.400% 03/15/2050 DD 03/16/20; No. of SHARES - 661,000	659,764	710,833
CIGNA CORP	FIXED INCOME; CORP; 3.400% 03/15/2050 DD 03/16/20; No. of SHARES - 405,000	399,963	435,533
CVS HEALTH CORP	FIXED INCOME; CORP; 5.125% 07/20/2045 DD 07/20/15; No. of SHARES - 2,035,000	2,370,469	2,582,903
CVS HEALTH CORP	FIXED INCOME; CORP; 5.125% 07/20/2045 DD 07/20/15; No. of SHARES - 655,000	677,699	831,352

CVS HEALTH CORP	FIXED INCOME; CORP; 4.780% 03/25/2038 DD 03/09/18; No. of SHARES - 540,000	529,519	659,221
CVS HEALTH CORP	FIXED INCOME; CORP; 5.050% 03/25/2048 DD 03/09/18; No. of SHARES - 1,008,000	1,090,888	1,292,851
CVS HEALTH CORP	FIXED INCOME; CORP; 5.050% 03/25/2048 DD 03/09/18; No. of SHARES - 1,460,000	1,720,843	1,872,581
CVS HEALTH CORP	FIXED INCOME; CORP; 3.250% 08/15/2029 DD 08/15/19; No. of SHARES - 670,000	677,509	721,670
CVS HEALTH CORP	FIXED INCOME; CORP; 4.250% 04/01/2050 DD 03/31/20; No. of SHARES - 340,000	339,942	399,310
CHRISTUS HEALTH	FIXED INCOME; CORP; 4.341% 07/01/2028 DD 10/30/18; No. of SHARES - 700,000	700,000	783,363
DH EUROPE FINANCE II SARL	FIXED INCOME; CORP; 3.250% 11/15/2039 DD 11/07/19; No. of SHARES - 230,000	229,561	250,909
DH EUROPE FINANCE II SARL	FIXED INCOME; CORP; 3.250% 11/15/2039 DD 11/07/19; No. of SHARES - 3,265,000	3,433,721	3,561,821
DH EUROPE FINANCE II SARL	FIXED INCOME; CORP; 3.400% 11/15/2049 DD 11/07/19; No. of SHARES - 135,000	134,671	150,250
DUKE UNIVERSITY HEALTH SYSTEM	FIXED INCOME; CORP; 3.920% 06/01/2047 DD 06/06/17; No. of SHARES - 600,000	600,000	737,910
GILEAD SCIENCES INC	FIXED INCOME; CORP; 4.500% 02/01/2045 DD 11/17/14; No. of SHARES - 210,000	213,694	271,150
GILEAD SCIENCES INC	FIXED INCOME; CORP; 4.750% 03/01/2046 DD 09/14/15; No. of SHARES - 145,000	153,232	194,254
GILEAD SCIENCES INC	FIXED INCOME; CORP; 4.600% 09/01/2035 DD 09/14/15; No. of SHARES - 490,000	522,173	645,418
GILEAD SCIENCES INC	FIXED INCOME; CORP; 4.000% 09/01/2036 DD 09/20/16; No. of SHARES - 200,000	199,562	245,158
HCA INC	FIXED INCOME; CORP; 5.250% 06/15/2049 DD 06/12/19; No. of SHARES - 200,000	232,848	235,732
HUMANA INC	FIXED INCOME; CORP; 3.125% 08/15/2029 DD 08/15/19; No. of SHARES - 900,000	899,082	968,274
JOHNSON & JOHNSON	FIXED INCOME; CORP; 3.700% 03/01/2046 DD 03/01/16; No. of SHARES - 65,000	78,389	80,556
KAISER FOUNDATION HOSPITALS	FIXED INCOME; CORP; 4.150% 05/01/2047 DD 05/03/17; No. of SHARES - 210,000	224,120	260,299
KAISER FOUNDATION HOSPITALS	FIXED INCOME; CORP; 3.266% 11/01/2049 DD 10/31/19; No. of SHARES - 235,000	235,000	254,841
ELI LILLY AND CO	FIXED INCOME; CORP; 4.150% 03/15/2059 DD 02/22/19; No. of SHARES - 220,000	224,521	291,826
MCLAREN HEALTH CARE CORP	FIXED INCOME; CORP; 4.386% 05/15/2048 DD 07/25/18; No. of SHARES - 900,000	900,000	1,042,785
MEDTRONIC INC	FIXED INCOME; CORP; 4.375% 03/15/2035 DD 03/15/15; No. of SHARES - 423,000	457,483	539,697
MEDTRONIC INC	FIXED INCOME; CORP; 4.625% 03/15/2045 DD 03/15/15; No. of SHARES - 59,000	66,341	79,484
MERCK & CO INC	FIXED INCOME; CORP; 3.600% 09/15/2042 DD 09/13/12; No. of SHARES - 195,000	190,817	234,129
NORTHWELL HEALTHCARE INC	FIXED INCOME; CORP; 4.260% 11/01/2047 DD 09/26/17; No. of SHARES - 170,000	174,882	178,075
NORTHWELL HEALTHCARE INC	FIXED INCOME; CORP; 3.809% 11/01/2049 DD 09/26/19; No. of SHARES - 1,300,000	1,300,000	1,268,774
NOVARTIS CAPITAL CORP	FIXED INCOME; CORP; 4.400% 05/06/2044 DD 02/21/14; No. of SHARES - 890,000	981,376	1,183,851
NOVARTIS CAPITAL CORP	FIXED INCOME; CORP; 2.200% 08/14/2030 DD 02/14/20; No. of SHARES - 560,000	559,266	591,931
NOVARTIS CAPITAL CORP	FIXED INCOME; CORP; 2.750% 08/14/2050 DD 02/14/20; No. of SHARES - 1,685,000	1,646,447	1,764,010

NOVARTIS CAPITAL CORP	FIXED INCOME; CORP; 2.750% 08/14/2050 DD 02/14/20; No. of SHARES - 156,000	159,054	163,315
PFIZER INC	FIXED INCOME; CORP; 4.000% 12/15/2036 DD 11/21/16; No. of SHARES - 395,000	408,268	474,067
PFIZER INC	FIXED INCOME; CORP; 4.000% 03/15/2049 DD 03/11/19; No. of SHARES - 634,000	651,834	802,847
PFIZER INC	FIXED INCOME; CORP; 2.550% 05/28/2040 DD 05/28/20; No. of SHARES - 120,000	119,255	121,578
PFIZER INC	FIXED INCOME; CORP; 2.700% 05/28/2050 DD 05/28/20; No. of SHARES - 990,000	981,932	1,002,563
PFIZER INC	FIXED INCOME; CORP; 2.700% 05/28/2050 DD 05/28/20; No. of SHARES - 215,000	213,248	217,728
RUSH OBLIGATED GROUP	FIXED INCOME; CORP; 3.922% 11/15/2029 DD 04/09/20; No. of SHARES - 400,000	400,000	440,800
STRYKER CORP	FIXED INCOME; CORP; 2.900% 06/15/2050 DD 06/04/20; No. of SHARES - 130,000	129,611	130,796
THERMO FISHER SCIENTIFIC INC	FIXED INCOME; CORP; 2.600% 10/01/2029 DD 10/08/19; No. of SHARES - 375,000	373,755	403,733
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 3.950% 10/15/2042 DD 10/22/12; No. of SHARES - 205,000	203,374	245,422
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 4.625% 07/15/2035 DD 07/23/15; No. of SHARES - 270,000	296,225	353,141
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 3.750% 10/15/2047 DD 10/25/17; No. of SHARES - 160,000	153,053	189,621
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 4.250% 06/15/2048 DD 06/19/18; No. of SHARES - 570,000	593,490	725,690
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 4.450% 12/15/2048 DD 12/17/18; No. of SHARES - 30,000	32,117	39,380
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 3.700% 08/15/2049 DD 07/25/19; No. of SHARES - 40,000	39,862	47,275
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 2.750% 05/15/2040 DD 05/18/20; No. of SHARES - 215,000	208,731	224,095
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 2.900% 05/15/2050 DD 05/18/20; No. of SHARES - 500,000	485,905	520,745
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 2.900% 05/15/2050 DD 05/18/20; No. of SHARES - 1,250,000	1,214,763	1,301,863
UNITEDHEALTH GROUP INC	FIXED INCOME; CORP; 2.900% 05/15/2050 DD 05/18/20; No. of SHARES - 180,000	174,926	187,468
ANTHEM INC	FIXED INCOME; CORP; 5.100% 01/15/2044 DD 08/06/13; No. of SHARES - 240,000	256,889	310,567
ZOETIS INC	FIXED INCOME; CORP; 4.700% 02/01/2043 DD 08/01/13; No. of SHARES - 600,000	599,196	769,050
ZOETIS INC	FIXED INCOME; CORP; 3.900% 08/20/2028 DD 08/20/18; No. of SHARES - 800,000	798,488	911,568
PROCTER & GAMBLE CO/THE	FIXED INCOME; CORP; 3.550% 03/25/2040 DD 03/25/20; No. of SHARES - 155,000	154,230	187,218
PROCTER & GAMBLE CO/THE	FIXED INCOME; CORP; 3.550% 03/25/2040 DD 03/25/20; No. of SHARES - 540,000	537,316	652,244
PROCTER & GAMBLE CO/THE	FIXED INCOME; CORP; 3.600% 03/25/2050 DD 03/25/20; No. of SHARES - 90,000	89,428	113,026
PROCTER & GAMBLE CO/THE	FIXED INCOME; CORP; 3.600% 03/25/2050 DD 03/25/20; No. of SHARES - 535,000	531,597	671,874
UNILEVER CAPITAL CORP	FIXED INCOME; CORP; 5.900% 11/15/2032 DD 11/12/02; No. of SHARES - 311,000	392,438	447,451
CATERPILLAR INC	FIXED INCOME; CORP; 4.750% 05/15/2064 DD 05/08/14; No. of SHARES - 655,000	736,181	864,521
CATERPILLAR INC	FIXED INCOME; CORP; 3.250% 04/09/2050 DD 04/09/20; No. of SHARES - 360,000	358,564	394,610

	EMERSON ELECTRIC CO	FIXED INCOME; CORP; 2.750% 10/15/2050 DD 04/29/20; No. of SHARES - 205,000	204,750	202,489
	NIKE INC	FIXED INCOME; CORP; 3.250% 03/27/2040 DD 03/27/20; No. of SHARES - 135,000	134,155	151,232
	NIKE INC	FIXED INCOME; CORP; 3.375% 03/27/2050 DD 03/27/20; No. of SHARES - 75,000	74,747	86,931
	AFLAC INC	FIXED INCOME; CORP; 4.750% 01/15/2049 DD 10/31/18; No. of SHARES - 700,000	695,380	875,630
	ALLSTATE CORP/THE	FIXED INCOME; CORP; 3.850% 08/10/2049 DD 06/10/19; No. of SHARES - 2,110,000	2,390,918	2,486,994
	AMERICAN FINANCIAL GROUP INC/O	FIXED INCOME; CORP; 4.500% 06/15/2047 DD 06/02/17; No. of SHARES - 1,000,000	994,600	985,250
	AMERICAN INTERNATIONAL GROUP I	FIXED INCOME; CORP; 4.500% 07/16/2044 DD 07/16/14; No. of SHARES - 675,000	685,857	755,021
*	AON CORP	FIXED INCOME; CORP; 2.800% 05/15/2030 DD 05/15/20; No. of SHARES - 300,000	299,895	315,942
	ARCH CAPITAL GROUP US INC	FIXED INCOME; CORP; 5.144% 11/01/2043 DD 12/13/13; No. of SHARES - 660,000	862,250	793,214
	ARCH CAPITAL FINANCE LLC	FIXED INCOME; CORP; 5.031% 12/15/2046 DD 12/08/16; No. of SHARES - 2,905,000	3,294,009	3,579,105
	EQUITABLE HOLDINGS INC	FIXED INCOME; CORP; 4.350% 04/20/2028 DD 10/20/18; No. of SHARES - 300,000	299,445	322,065
	EQUITABLE HOLDINGS INC	FIXED INCOME; CORP; 5.000% 04/20/2048 DD 10/20/18; No. of SHARES - 800,000	797,656	824,584
	BERKSHIRE HATHAWAY FINANCE CORP	FIXED INCOME; CORP; 4.200% 08/15/2048 DD 08/15/18; No. of SHARES - 900,000	895,437	1,122,624
	BERKSHIRE HATHAWAY FINANCE CORP	FIXED INCOME; CORP; 4.200% 08/15/2048 DD 08/15/18; No. of SHARES - 730,000	757,952	910,573
	BERKSHIRE HATHAWAY FINANCE CORP	FIXED INCOME; CORP; 4.250% 01/15/2049 DD 01/11/19; No. of SHARES - 1,495,000	1,891,175	1,876,300
	LOEWS CORP	FIXED INCOME; CORP; 3.200% 05/15/2030 DD 05/08/20; No. of SHARES - 100,000	99,889	105,946
	METLIFE INC	FIXED INCOME; CORP; 5.700% 06/15/2035 DD 06/23/05; No. of SHARES - 450,000	556,074	623,241
	METLIFE INC	FIXED INCOME; CORP; 4.050% 03/01/2045 DD 03/05/15; No. of SHARES - 90,000	91,001	103,114
	PRINCIPAL FINANCIAL GROUP INC	FIXED INCOME; CORP; 4.625% 09/15/2042 DD 09/10/12; No. of SHARES - 1,385,000	1,455,123	1,659,230
	PROGRESSIVE CORP/THE	FIXED INCOME; CORP; 3.950% 03/26/2050 DD 03/26/20; No. of SHARES - 775,000	768,397	974,028
	PRUDENTIAL FINANCIAL INC	FIXED INCOME; CORP; 6.625% 06/21/2040 DD 06/21/10; No. of SHARES - 285,000	378,015	415,855
	TRAVELERS COS INC/THE	FIXED INCOME; CORP; 4.000% 05/30/2047 DD 05/22/17; No. of SHARES - 915,000	939,476	1,119,567
	TRAVELERS COS INC/THE	FIXED INCOME; CORP; 4.100% 03/04/2049 DD 03/04/19; No. of SHARES - 465,000	484,674	578,409
	RESOLUTION FDG CORP STRIP	FIXED INCOME; CORP; 0.000% 04/15/2029 DD 04/15/90; No. of SHARES - 2,700,000	1,677,294	2,422,251
	HILTON DOMESTIC OPERATING CO I	FIXED INCOME; CORP; 4.875% 01/15/2030 DD 06/20/19; No. of SHARES - 900,000	900,000	895,500
	SANDS CHINA LTD	FIXED INCOME; CORP; 5.400% 08/08/2028 DD 08/09/18; No. of SHARES - 200,000	199,450	213,016
	VULCAN MATERIALS CO	FIXED INCOME; CORP; 4.500% 06/15/2047 DD 06/15/17; No. of SHARES - 370,000	349,827	392,148
	BHP BILLITON FINANCE USA LTD	FIXED INCOME; CORP; 5.000% 09/30/2043 DD 09/30/13; No. of SHARES - 135,000	157,629	187,605
	BARRICK GOLD CORP	FIXED INCOME; CORP; 5.250% 04/01/2042 DD 04/03/12; No. of SHARES - 80,000	104,430	104,656

NEWMONT CORP	FIXED INCOME; CORP; 6.250% 10/01/2039 DD 09/18/09; No. of SHARES - 1,135,000	1,349,878	1,580,817
NEWMONT CORP	FIXED INCOME; CORP; 2.250% 10/01/2030 DD 03/18/20; No. of SHARES - 1,015,000	1,005,946	1,006,230
NEWMONT CORP	FIXED INCOME; CORP; 2.250% 10/01/2030 DD 03/18/20; No. of SHARES - 185,000	183,350	183,402
BARRICK GOLD CORP	FIXED INCOME; CORP; 6.450% 10/15/2035 DD 04/15/04; No. of SHARES - 200,000	236,234	272,668
RIO TINTO FINANCE USA PLC	FIXED INCOME; CORP; 4.125% 08/21/2042 DD 08/21/12; No. of SHARES - 210,000	218,287	256,794
SOUTHERN COPPER CORP	FIXED INCOME; CORP; 5.875% 04/23/2045 DD 04/23/15; No. of SHARES - 125,000	139,226	150,928
NEW YORK ST POWER AUTH REVENUE	FIXED INCOME; CORP; 4.000% 11/15/2060 DD 05/12/20; No. of SHARES - 500,000	527,005	575,440
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 4.250% 12/15/2041 DD 12/08/11; No. of SHARES - 120,000	124,985	146,132
DUKE ENERGY CORP	FIXED INCOME; CORP; 3.400% 06/15/2029 DD 06/07/19; No. of SHARES - 1,500,000	1,497,720	1,655,235
DUKE ENERGY CAROLINAS LLC	FIXED INCOME; CORP; 6.000% 12/01/2028 DD 12/04/98; No. of SHARES - 120,000	144,184	154,174
DUKE ENERGY INDIANA LLC	FIXED INCOME; CORP; 6.450% 04/01/2039 DD 03/23/09; No. of SHARES - 100,000	135,002	147,471
DUKE ENERGY INDIANA LLC	FIXED INCOME; CORP; 6.350% 08/15/2038 DD 08/21/08; No. of SHARES - 665000	886,192	991,488
DOMINION ENERGY INC	FIXED INCOME; CORP; 3.375% 04/01/2030 DD 04/03/20; No. of SHARES - 240,000	237,388	263,374
DTE ELECTRIC CO	FIXED INCOME; CORP; 2.625% 03/01/2031 DD 04/06/20; No. of SHARES - 400,000	399,328	429,024
CONSUMERS ENERGY CO	FIXED INCOME; CORP; 2.500% 05/01/2060 DD 05/13/20; No. of SHARES - 205,000	203,105	192,913
CONSUMERS ENERGY CO	FIXED INCOME; CORP; 3.500% 08/01/2051 DD 03/26/20; No. of SHARES - 165,000	164,350	195,187
CONSUMERS ENERGY CO	FIXED INCOME; CORP; 4.050% 05/15/2048 DD 05/14/18; No. of SHARES - 1,165,000	1,219,720	1,449,377
CONSOLIDATED EDISON CO OF NEW YORK	FIXED INCOME; CORP; 4.125% 05/15/2049 DD 05/09/19; No. of SHARES - 1,150,000	1,162,915	1,368,891
CONSOLIDATED EDISON CO OF NEW YORK	FIXED INCOME; CORP; 4.500% 05/15/2058 DD 05/10/18; No. of SHARES - 1,600,000	1,592,624	1,989,376
CONSOLIDATED EDISON CO OF NEW YORK	FIXED INCOME; CORP; 4.300% 12/01/2056 DD 11/16/16; No. of SHARES - 240,000	243,528	287,798
COMMONWEALTH EDISON CO	FIXED INCOME; CORP; 3.000% 03/01/2050 DD 02/25/20; No. of SHARES - 580,000	579,758	607,422
COMMONWEALTH EDISON CO	FIXED INCOME; CORP; 3.650% 06/15/2046 DD 06/27/16; No. of SHARES - 25,000	26,735	28,330
COMMONWEALTH EDISON CO	FIXED INCOME; CORP; 3.650% 06/15/2046 DD 06/27/16; No. of SHARES - 3,245,000	3,109,846	3,677,234
COMMONWEALTH EDISON CO	FIXED INCOME; CORP; 3.800% 10/01/2042 DD 10/01/12; No. of SHARES - 200,000	218,836	230,860
DUKE ENERGY PROGRESS LLC	FIXED INCOME; CORP; 4.100% 05/15/2042 DD 05/18/12; No. of SHARES - 230,000	235,538	275,724
BLACK HILLS CORP	FIXED INCOME; CORP; 3.050% 10/15/2029 DD 10/03/19; No. of SHARES - 600,000	597,936	609,846
BERKSHIRE HATHAWAY ENERGY CO	FIXED INCOME; CORP; 4.450% 01/15/2049 DD 07/25/18; No. of SHARES - 240,000	254,815	303,379
AVANGRID INC	FIXED INCOME; CORP; 3.800% 06/01/2029 DD 05/16/19; No. of SHARES - 1,200,000	1,198,296	1,332,540
ARIZONA PUBLIC SERVICE CO	FIXED INCOME; CORP; 3.500% 12/01/2049 DD 11/20/19; No. of SHARES - 560,000	559,686	591,651

AMERICAN ELECTRIC POWER CO INC	FIXED INCOME; CORP; 3.250% 03/01/2050 DD 03/05/20; No. of SHARES - 105,000	104,820	103,454
AMEREN ILLINOIS CO	FIXED INCOME; CORP; 3.250% 03/15/2050 DD 11/26/19; No. of SHARES - 555,000	552,258	592,801
AMEREN ILLINOIS CO	FIXED INCOME; CORP; 3.700% 12/01/2047 DD 11/28/17; No. of SHARES - 240,000	241,437	273,468
ALABAMA POWER CO	FIXED INCOME; CORP; 3.450% 10/01/2049 DD 09/17/19; No. of SHARES - 900,000	896,985	983,808
ALABAMA POWER CO	FIXED INCOME; CORP; 3.750% 03/01/2045 DD 03/11/15; No. of SHARES - 135,000	131,197	149,449
BAKER HUGHES A GE CO LLC	FIXED INCOME; CORP; 3.138% 11/07/2029 DD 11/07/19; No. of SHARES - 100,000	100,000	100,642
BP CAPITAL MARKETS AMERICA INC	FIXED INCOME; CORP; 3.000% 02/24/2050 DD 02/24/20; No. of SHARES - 1,360,000	1,314,162	1,329,495
CHENIERE CORPUS CHRISTI HOLDING	FIXED INCOME; CORP; 7.000% 06/30/2024 DD 12/31/16; No. of SHARES - 100,000	113,431	111,185
CHEVRON CORP	FIXED INCOME; CORP; 3.078% 05/11/2050 DD 05/11/20; No. of SHARES - 965,000	965,000	1,044,699
COLUMBIA PIPELINE GROUP INC	FIXED INCOME; CORP; 5.800% 06/01/2045 DD 12/01/15; No. of SHARES - 435,000	489,950	532,775
CONCHO RESOURCES INC	FIXED INCOME; CORP; 4.300% 08/15/2028 DD 07/02/18; No. of SHARES - 1,645,000	1,785,368	1,785,944
CONOCOPHILLIPS CO	FIXED INCOME; CORP; 6.950% 04/15/2029 DD 04/20/99; No. of SHARES - 950,000	1,219,876	1,305,956
CONTINENTAL RESOURCES INC/ OK	FIXED INCOME; CORP; 3.800% 06/01/2024 DD 05/19/14; No. of SHARES - 200,000	195,132	174,000
EOG RESOURCES INC	FIXED INCOME; CORP; 4.950% 04/15/2050 DD 04/14/20; No. of SHARES - 220,000	228,921	286,669
KINDER MORGAN ENERGY PARTNERS	FIXED INCOME; CORP; 4.700% 11/01/2042 DD 11/08/12; No. of SHARES - 100,000	96,459	108,252
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.150% 02/01/2043 DD 01/22/13; No. of SHARES - 40,000	38,265	37,844
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.950% 10/01/2043 DD 09/19/13; No. of SHARES - 340,000	357,707	348,225
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.150% 03/15/2045 DD 03/12/15; No. of SHARES - 270,000	261,290	259,511
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 6.125% 12/15/2045 DD 06/23/15; No. of SHARES - 210,000	226,407	220,061
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.300% 04/15/2047 DD 01/17/17; No. of SHARES - 170,000	167,443	166,568
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 6.000% 06/15/2048 DD 06/08/18; No. of SHARES - 240,000	257,254	253,954
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 6.000% 06/15/2048 DD 06/08/18; No. of SHARES - 710,000	761,042	751,279
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.250% 04/15/2029 DD 01/15/19; No. of SHARES - 90,000	100,628	96,136
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.500% 06/01/2027 DD 12/01/18; No. of SHARES - 870,000	945,899	941,462
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 3.750% 05/15/2030 DD 01/22/20; No. of SHARES - 45,000	44,929	44,336
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 3.750% 05/15/2030 DD 01/22/20; No. of SHARES - 500,000	499,215	492,620
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.000% 05/15/2050 DD 01/22/20; No. of SHARES - 285,000	270,764	272,349
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 5.000% 05/15/2050 DD 01/22/20; No. of SHARES - 290,000	289,751	277,127
ENERGY TRANSFER OPERATING LP	FIXED INCOME; CORP; 6.250% 04/15/2049 DD 01/15/19; No. of SHARES - 200,000	199,700	217,236

ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 6.875% 03/01/2033 DD 02/14/03; No. of SHARES - 260,000	331,828	326,284
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.850% 03/15/2044 DD 03/18/13; No. of SHARES - 70,000	74,030	79,946
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.950% 10/15/2054 DD 10/14/14; No. of SHARES - 1,520,000	1,588,157	1,694,025
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.950% 10/15/2054 DD 10/14/14; No. of SHARES - 490,000	511,972	546,100
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.900% 05/15/2046 DD 05/07/15; No. of SHARES - 620,000	657,560	717,910
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.800% 02/01/2049 DD 10/11/18; No. of SHARES - 210,000	222,002	246,217
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.800% 02/01/2049 DD 10/11/18; No. of SHARES - 620,000	748,290	726,925
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.200% 01/31/2050 DD 07/08/19; No. of SHARES - 100,000	99,792	107,869
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 4.200% 01/31/2050 DD 07/08/19; No. of SHARES - 545,000	595,456	587,886
ENTERPRISE PRODUCTS OPERATING LLC	FIXED INCOME; CORP; 3.700% 01/31/2051 DD 01/15/20; No. of SHARES - 65,000	66,728	66,211
EQUINOR ASA	FIXED INCOME; CORP; 3.625% 04/06/2040 DD 04/06/20; No. of SHARES - 390,000	387,999	438,161
EQUINOR ASA	FIXED INCOME; CORP; 3.700% 04/06/2050 DD 04/06/20; No. of SHARES - 35,000	35,770	39,398
EQUINOR ASA	FIXED INCOME; CORP; 2.375% 05/22/2030 DD 05/22/20; No. of SHARES - 695,000	691,011	717,052
EXXON MOBIL CORP	FIXED INCOME; CORP; 4.227% 03/19/2040 DD 03/19/20; No. of SHARES - 950,000	995,658	1,156,255
EXXON MOBIL CORP	FIXED INCOME; CORP; 4.327% 03/19/2050 DD 03/19/20; No. of SHARES - 255,000	255,000	318,396
EXXON MOBIL CORP	FIXED INCOME; CORP; 3.452% 04/15/2051 DD 04/15/20; No. of SHARES - 1,275,000	1,275,000	1,404,566
EXXON MOBIL CORP	FIXED INCOME; CORP; 3.452% 04/15/2051 DD 04/15/20; No. of SHARES - 190,000	190,000	209,308
KINDER MORGAN INC	FIXED INCOME; CORP; 5.550% 06/01/2045 DD 11/26/14; No. of SHARES - 30,000	34,464	36,861
KINDER MORGAN INC	FIXED INCOME; CORP; 5.550% 06/01/2045 DD 11/26/14; No. of SHARES - 955,000	1,174,908	1,173,418
KINDER MORGAN INC	FIXED INCOME; CORP; 4.300% 03/01/2028 DD 03/01/18; No. of SHARES - 1,285,000	1,333,496	1,434,484
KINDER MORGAN INC	FIXED INCOME; CORP; 5.200% 03/01/2048 DD 03/01/18; No. of SHARES - 95,000	103,398	114,563
MPLX LP	FIXED INCOME; CORP; 4.875% 06/01/2025 DD 06/01/16; No. of SHARES - 75,000	68,481	79,814
MPLX LP	FIXED INCOME; CORP; 4.125% 03/01/2027 DD 02/10/17; No. of SHARES - 435,000	463,066	449,464
MPLX LP	FIXED INCOME; CORP; 5.200% 03/01/2047 DD 02/10/17; No. of SHARES - 260,000	263,936	278,951
MPLX LP	FIXED INCOME; CORP; 4.500% 04/15/2038 DD 02/08/18; No. of SHARES - 390,000	369,186	386,346
MPLX LP	FIXED INCOME; CORP; 4.800% 02/15/2029 DD 11/15/18; No. of SHARES - 255,000	284,162	278,149
MPLX LP	FIXED INCOME; CORP; 5.500% 02/15/2049 DD 11/15/18; No. of SHARES - 565,000	603,593	643,993
MPLX LP	FIXED INCOME; CORP; 5.500% 02/15/2049 DD 11/15/18; No. of SHARES - 1,045,000	1,107,136	1,191,101
MPLX LP	FIXED INCOME; CORP; 5.200% 12/01/2047 DD 12/01/19; No. of SHARES - 145,000	145,442	156,999

MARATHON PETROLEUM CORP	FIXED INCOME; CORP; 6.500% 03/01/2041 DD 09/01/11; No. of SHARES - 1,500,000	1,799,220	1,761,600
NOBLE ENERGY INC	FIXED INCOME; CORP; 5.250% 11/15/2043 DD 11/08/13; No. of SHARES - 125,000	103,577	110,780
NOBLE ENERGY INC	FIXED INCOME; CORP; 5.050% 11/15/2044 DD 11/07/14; No. of SHARES - 225,000	182,856	194,150
NOBLE ENERGY INC	FIXED INCOME; CORP; 4.950% 08/15/2047 DD 08/15/17; No. of SHARES - 105,000	84,345	90,598
NOBLE ENERGY INC	FIXED INCOME; CORP; 4.200% 10/15/2049 DD 10/01/19; No. of SHARES - 65,000	52,001	52,776
ONEOK INC	FIXED INCOME; CORP; 5.200% 07/15/2048 DD 07/02/18; No. of SHARES - 700,000	694,062	705,719
PHILLIPS 66	FIXED INCOME; CORP; 4.650% 11/15/2034 DD 11/17/14; No. of SHARES - 230,000	244,343	279,296
PHILLIPS 66	FIXED INCOME; CORP; 4.875% 11/15/2044 DD 11/17/14; No. of SHARES - 235,000	253,382	292,483
PHILLIPS 66	FIXED INCOME; CORP; 3.850% 04/09/2025 DD 04/09/20; No. of SHARES - 165,000	164,911	181,525
SABINE PASS LIQUEFACTION LLC	FIXED INCOME; CORP; 4.200% 03/15/2028 DD 03/06/17; No. of SHARES - 100,000	102,554	105,351
SHELL INTERNATIONAL FINANCE BV	FIXED INCOME; CORP; 3.625% 08/21/2042 DD 08/21/12; No. of SHARES - 80,000	77,453	89,552
SHELL INTERNATIONAL FINANCE BV	FIXED INCOME; CORP; 4.125% 05/11/2035 DD 05/11/15; No. of SHARES - 650,000	693,095	797,589
SHELL INTERNATIONAL FINANCE BV	FIXED INCOME; CORP; 4.000% 05/10/2046 DD 05/10/16; No. of SHARES - 540,000	555,676	628,846
SHELL INTERNATIONAL FINANCE BV	FIXED INCOME; CORP; 3.750% 09/12/2046 DD 09/12/16; No. of SHARES - 160,000	157,643	181,787
SUNOCO LOGISTICS PARTNERS OPER	FIXED INCOME; CORP; 5.350% 05/15/2045 DD 11/17/14; No. of SHARES - 980,000	973,885	964,937
SUNOCO LOGISTICS PARTNERS OPER	FIXED INCOME; CORP; 5.400% 10/01/2047 DD 09/21/17; No. of SHARES - 485,000	484,011	481,867
SUNOCO LOGISTICS PARTNERS OPER	FIXED INCOME; CORP; 5.400% 10/01/2047 DD 09/21/17; No. of SHARES - 1,790,000	1,786,348	1,778,437
TENNESSEE GAS PIPELINE CO LLC	FIXED INCOME; CORP; 7.000% 10/15/2028 DD 10/09/98; No. of SHARES - 165,000	201,109	203,447
TOTAL CAPITAL INTERNATIONAL SA	FIXED INCOME; CORP; 3.127% 05/29/2050 DD 05/29/20; No. of SHARES - 660,000	660,000	667,544
TRANSCANADA PIPELINES LTD	FIXED INCOME; CORP; 4.625% 03/01/2034 DD 02/28/14; No. of SHARES - 815,000	932,137	938,261
TRANSCANADA PIPELINES LTD	FIXED INCOME; CORP; 4.750% 05/15/2038 DD 05/07/18; No. of SHARES - 305,000	315,138	355,600
TRANSCONTINENTAL GAS PIPE LINE	FIXED INCOME; CORP; 5.400% 08/15/2041 DD 02/15/12; No. of SHARES - 335,000	364,500	408,502
TRANSCONTINENTAL GAS PIPE LINE	FIXED INCOME; CORP; 4.450% 08/01/2042 DD 07/13/12; No. of SHARES - 465,000	457,225	520,344
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 7.500% 01/15/2031 DD 01/17/01; No. of SHARES - 70,000	88,450	85,506
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 5.750% 06/24/2044 DD 06/24/14; No. of SHARES - 515,000	601,453	600,469
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 5.750% 06/24/2044 DD 06/24/14; No. of SHARES - 100,000	108,937	116,596
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 5.100% 09/15/2045 DD 03/03/15; No. of SHARES - 220,000	227,645	246,033
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 6.300% 04/15/2040 DD 02/09/10; No. of SHARES - 205,000	234,799	247,355
WILLIAMS COS INC/THE	FIXED INCOME; CORP; 4.900% 01/15/2045 DD 06/27/14; No. of SHARES - 190,000	189,324	205,555

NEWELL BRANDS INC	FIXED INCOME; CORP; VAR RT 04/01/2023 DD 03/30/16; No. of SHARES - 700,000	720,650	719,250
ALABAMA POWER CO	FIXED INCOME; CORP; 4.150% 08/15/2044 DD 08/26/14; No. of SHARES - 1,630,000	1,684,344	1,924,166
AEP TRANSMISSION CO LLC	FIXED INCOME; CORP; 3.650% 04/01/2050 DD 04/01/20; No. of SHARES - 165,000	164,941	189,514
ARBOR REALTY COMMER FL1 A 144A	FIXED INCOME; CORP; VAR RT 05/15/2037 DD 06/05/19; No. of SHARES - 1,200,000	1,200,000	1,152,011
LOANCORE 2019-CRE2 CRE2 A 144A	FIXED INCOME; CORP; VAR RT 05/15/2036 DD 05/30/19; No. of SHARES - 1,100,000	1,100,000	1,061,760
CROWN POINT CLO 5 LT 5A A 144A	FIXED INCOME; CORP; VAR RT 07/17/2028 DD 07/17/18; No. of SHARES - 299,775	299,775	293,618
GOLDENTTREE LOAN MA 1A AR 144A	FIXED INCOME; CORP; VAR RT 04/20/2029 DD 02/19/20; No. of SHARES - 1,400,000	1,400,000	1,379,349
PALMER SQUARE LOAN 4A A1 144A	FIXED INCOME; CORP; VAR RT 11/15/2026 DD 10/31/18; No. of SHARES - 561,655	561,655	555,087
PALMER SQUARE CLO 2 3A A1 144A	FIXED INCOME; CORP; VAR RT 08/15/2026 DD 07/25/18; No. of SHARES - 200,654	200,654	198,541
TRALEE CLO V LTD 5A A1 144A	FIXED INCOME; CORP; VAR RT 10/20/2028 DD 10/31/18; No. of SHARES - 900,000	900,000	886,828
ECMC GROUP STUDENT L 1A A 144A	FIXED INCOME; CORP; VAR RT 02/27/2068 DD 03/08/18; No. of SHARES - 270,921	270,921	260,973
SLM STUDENT LOAN T 10 A7B 144A	FIXED INCOME; CORP; VAR RT 10/25/2029 DD 04/25/18; No. of SHARES - 300,000	300,000	293,274
START IRELAND 1 A 144A	FIXED INCOME; CORP; 4.089% 03/15/2044 DD 04/18/19; No. of SHARES - 395,879	395,862	339,866
TOWD POINT MORTGAG HY2 A1 144A	FIXED INCOME; CORP; VAR RT 05/25/2058 DD 04/30/19; No. of SHARES - 743,360	749,051	731,221
BANK OF IRELAND GROUP PLC 144A	FIXED INCOME; CORP; 4.500% 11/25/2023 DD 09/25/18; No. of SHARES - 800,000	798,856	823,816
BNP PARIBAS SA 144A	FIXED INCOME; CORP; VAR RT 01/10/2025 DD 01/10/19; No. of SHARES - 1,800,000	1,951,470	1,967,742
COMMONWEALTH BANK OF AUST 144A	FIXED INCOME; CORP; 3.743% 09/12/2039 DD 09/12/19; No. of SHARES - 280,000	280,000	284,206
CREDIT SUISSE GROUP AG 144A	FIXED INCOME; CORP; VAR RT 06/12/2024 DD 06/12/18; No. of SHARES - 250,000	250,000	245,938
CREDIT SUISSE GROUP AG 144A	FIXED INCOME; CORP; VAR RT 09/11/2025 DD 09/11/19; No. of SHARES - 400,000	400,000	409,292
CREDIT SUISSE GROUP AG 144A	FIXED INCOME; CORP; VAR RT 04/01/2031 DD 04/01/20; No. of SHARES - 265,000	265,000	293,779
ICICI BANK LTD/HONG KONG 144A	FIXED INCOME; CORP; 5.750% 11/16/2020 DD 11/16/10; No. of SHARES - 300,000	312,210	304,575
INTESA SANPAOLO SPA 144A	FIXED INCOME; CORP; 4.000% 09/23/2029 DD 09/23/19; No. of SHARES - 800,000	794,592	810,000
UBS AG/LONDON 144A	FIXED INCOME; CORP; 4.500% 06/26/2048 DD 06/26/18; No. of SHARES - 260,000	289,539	349,726
UBS GROUP AG 144A	FIXED INCOME; CORP; 4.253% 03/23/2028 DD 03/23/17; No. of SHARES - 285,000	294,901	318,992
UNICREDIT SPA 144A	FIXED INCOME; CORP; VAR RT 01/14/2022 DD 01/15/19; No. of SHARES - 1,200,000	1,200,000	1,200,624
BAMLL COMMERCIAL MO AHT A 144A	FIXED INCOME; CORP; VAR RT 03/15/2034 DD 04/05/19; No. of SHARES - 1,100,000	1,100,000	995,324
BBCMS TRUST 2015- SRCH A2 144A	FIXED INCOME; CORP; 4.197% 08/10/2035 DD 12/06/15; No. of SHARES - 700,000	720,947	769,097
BBCMS TRUST 2015-S SRCH D 144A	FIXED INCOME; CORP; VAR RT 08/10/2035 DD 12/06/15; No. of SHARES - 500,000	503,075	518,910
BX TRUST 2019-OC11 OC11 A 144A	FIXED INCOME; CORP; 3.202% 12/09/2041 DD 12/01/19; No. of SHARES - 195,000	200,840	195,684

BANCORP COMMERCIAL CRE6 A 144A	FIXED INCOME; CORP; VAR RT 09/15/2036 DD 09/26/19; No. of SHARES - 1,277,470	1,277,470	1,227,674
COMM 2018-HOME MOR HOME A 144A	FIXED INCOME; CORP; VAR RT 04/10/2033 DD 06/01/18; No. of SHARES - 600,000	601,627	667,656
CREDIT SUISSE FIRST P1A A 144A	FIXED INCOME; CORP; VAR RT 03/25/2032 DD 03/01/02; No. of SHARES - 7,324.97	5,744	6,499
DBGS 2019-1735 MOR 1735 A 144A	FIXED INCOME; CORP; 3.843% 04/10/2037 DD 04/01/19; No. of SHARES - 1,200,000	1,235,934	1,296,756
CITIGROUP COMMERCI SMRT A 144A	FIXED INCOME; CORP; 4.149% 01/10/2036 DD 01/01/19; No. of SHARES - 2,100,000	2,162,970	2,201,178
FREDDIE MAC MILITAR R1 A3 144A	FIXED INCOME; CORP; VAR RT 11/25/2052 DD 09/01/15; No. of SHARES - 1,928,126	2,028,961	2,203,154
HPLY TRUST 2019-HIT HIT A 144A	FIXED INCOME; CORP; VAR RT 11/15/2036 DD 05/31/19; No. of SHARES - 1,147,430	1,147,430	1,061,901
JP MORGAN MORTGAGE 6 A11 144A	FIXED INCOME; CORP; VAR RT 12/25/2049 DD 08/25/19; No. of SHARES - 364,979	364,185	357,158
JP MORGAN CHASE CO FL12 A 144A	FIXED INCOME; CORP; VAR RT 12/15/2031 DD 09/30/19; No. of SHARES - 700,000	700,000	683,718
MORGAN STANLEY CAPIT MP A 144A	FIXED INCOME; CORP; VAR RT 07/11/2040 DD 08/01/18; No. of SHARES - 400,000	411,548	428,304
NATIXIS COMMERCIAL LVL A 144A	FIXED INCOME; CORP; 3.885% 08/15/2038 DD 04/01/19; No. of SHARES - 800,000	823,997	798,432
NEW RESIDENTIAL M RPL1 A1 144A	FIXED INCOME; CORP; VAR RT 11/25/2059 DD 01/01/20; No. of SHARES - 772,188	784,601	790,157
CITIGROUP GLOBAL MAR 1 A1 144A	FIXED INCOME; CORP; VAR RT 05/25/2032 DD 05/30/02; No. of SHARES - 9,344	7,583	9,221
WORLDWIDE PLAZA TRU WWP A 144A	FIXED INCOME; CORP; 3.526% 11/10/2036 DD 11/01/17; No. of SHARES - 300,000	308,998	319,662
AIA GROUP LTD 144A	FIXED INCOME; CORP; 3.375% 04/07/2030 DD 04/07/20; No. of SHARES - 1,100,000	1,096,766	1,185,294
AIG SUNAMERICA GLOBAL FIN 144A	FIXED INCOME; CORP; 6.900% 03/15/2032 DD 03/20/02; No. of SHARES - 80,000	106,737	112,786
AP MOLLER - MAERSK A/S 144A	FIXED INCOME; CORP; 3.875% 09/28/2025 DD 09/28/15; No. of SHARES - 800,000	816,784	823,072
ABBVIE INC 144A	FIXED INCOME; CORP; 4.050% 11/21/2039 DD 11/21/19; No. of SHARES - 310,000	308,906	346,196
ABBVIE INC 144A	FIXED INCOME; CORP; 4.250% 11/21/2049 DD 11/21/19; No. of SHARES - 3,255,000	3,237,764	3,739,409
ABBVIE INC 144A	FIXED INCOME; CORP; 4.250% 11/21/2049 DD 11/21/19; No. of SHARES - 755,000	767,785	867,359
ABBVIE INC 144A	FIXED INCOME; CORP; 3.200% 11/21/2029 DD 11/21/19; No. of SHARES - 255,000	260,015	275,535
ABBVIE INC 144A	FIXED INCOME; CORP; 4.550% 03/15/2035 DD 03/15/20; No. of SHARES - 80,000	92,926	93,622
ABBVIE INC 144A	FIXED INCOME; CORP; 4.850% 06/15/2044 DD 12/15/19; No. of SHARES - 230,000	274,135	272,727
ALCON FINANCE CORP 144A	FIXED INCOME; CORP; 3.000% 09/23/2029 DD 09/23/19; No. of SHARES - 900,000	896,688	941,679
AVIATION CAPITAL GROUP LL 144A	FIXED INCOME; CORP; 3.500% 11/01/2027 DD 10/18/17; No. of SHARES - 100,000	95,299	69,265
BAE SYSTEMS PLC 144A	FIXED INCOME; CORP; 3.400% 04/15/2030 DD 04/14/20; No. of SHARES - 900,000	893,664	976,995
BMW US CAPITAL LLC 144A	FIXED INCOME; CORP; 4.150% 04/09/2030 DD 04/09/20; No. of SHARES - 310,000	309,547	346,946
BACARDI LTD 144A	FIXED INCOME; CORP; 2.750% 07/15/2026 DD 07/14/16; No. of SHARES - 100,000	93,105	98,033
BACARDI LTD 144A	FIXED INCOME; CORP; 4.700% 05/15/2028 DD 04/30/18; No. of SHARES - 900,000	897,129	991,476

BAXTER INTERNATIONAL INC 144A	FIXED INCOME; CORP; 3.950% 04/01/2030 DD 03/26/20; No. of SHARES - 250,000	249,078	294,760
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 3.500% 06/25/2021 DD 06/25/18; No. of SHARES - 200,000	203,246	204,374
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 3.875% 12/15/2023 DD 06/25/18; No. of SHARES - 200,000	199,348	215,718
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 4.375% 12/15/2028 DD 06/25/18; No. of SHARES - 200,000	198,542	229,400
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 4.625% 06/25/2038 DD 06/25/18; No. of SHARES - 80,000	89,632	94,624
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 4.875% 06/25/2048 DD 06/25/18; No. of SHARES - 239,000	272,866	301,628
BAYER US FINANCE II LLC 144A	FIXED INCOME; CORP; 4.700% 07/15/2064 DD 07/15/18; No. of SHARES - 2,220,000	2,201,067	2,488,687
BERKSHIRE HATHAWAY ENERGY 144A	FIXED INCOME; CORP; 4.250% 10/15/2050 DD 03/27/20; No. of SHARES - 475,000	472,411	597,113
BRISTOL-MYERS SQUIBB CO 144A	FIXED INCOME; CORP; 4.350% 11/15/2047 DD 11/15/19; No. of SHARES - 70,000	84,173	91,365
BRISTOL-MYERS SQUIBB CO 144A	FIXED INCOME; CORP; 4.350% 11/15/2047 DD 11/15/19; No. of SHARES - 3,445,000	4,142,509	4,496,480
BRISTOL-MYERS SQUIBB CO 144A	FIXED INCOME; CORP; 4.250% 10/26/2049 DD 05/16/19; No. of SHARES - 80,000	98,628	105,400
BROADCOM INC 144A	FIXED INCOME; CORP; 4.150% 11/15/2030 DD 05/08/20; No. of SHARES - 60,000	59,933	62,828
CIGNA CORP 144A	FIXED INCOME; CORP; 4.800% 07/15/2046 DD 07/15/19; No. of SHARES - 160,000	177,979	199,568
CARRIER GLOBAL CORP 144A	FIXED INCOME; CORP; 2.722% 02/15/2030 DD 02/27/20; No. of SHARES - 60,000	59,995	57,074
CARRIER GLOBAL CORP 144A	FIXED INCOME; CORP; 3.377% 04/05/2040 DD 02/27/20; No. of SHARES - 215,000	214,991	191,187
CARRIER GLOBAL CORP 144A	FIXED INCOME; CORP; 3.577% 04/05/2050 DD 02/27/20; No. of SHARES - 360,000	359,986	319,626
CORP NACIONAL DEL COBRE D 144A	FIXED INCOME; CORP; 4.250% 07/17/2042 DD 07/17/12; No. of SHARES - 350,000	349,258	375,120
CORP NACIONAL DEL COBRE D 144A	FIXED INCOME; CORP; 4.375% 02/05/2049 DD 02/05/19; No. of SHARES - 175,000	175,917	194,682
CORP NACIONAL DEL COBRE D 144A	FIXED INCOME; CORP; 3.700% 01/30/2050 DD 09/30/19; No. of SHARES - 220,000	210,076	218,775
CROWN CASTLE TOWERS LLC 144A	FIXED INCOME; CORP; 4.241% 07/15/2048 DD 07/11/18; No. of SHARES - 100,000	100,000	113,062
DELL INTERNATIONAL LLC / 144A	FIXED INCOME; CORP; 5.300% 10/01/2029 DD 03/20/19; No. of SHARES - 100,000	99,313	108,652
DELL INTERNATIONAL LLC / 144A	FIXED INCOME; CORP; 5.850% 07/15/2025 DD 04/09/20; No. of SHARES - 510,000	509,301	570,965
DEUTSCHE TELEKOM AG 144A	FIXED INCOME; CORP; 3.625% 01/21/2050 DD 01/21/20; No. of SHARES - 675,000	667,805	730,802
ELECTRICITE DE FRANCE SA 144A	FIXED INCOME; CORP; 4.875% 01/22/2044 DD 01/22/14; No. of SHARES - 35,000	36,707	41,714
ELECTRICITE DE FRANCE SA 144A	FIXED INCOME; CORP; 6.000% 01/22/2114 DD 01/22/14; No. of SHARES - 455,000	488,324	585,826
ENI SPA 144A	FIXED INCOME; CORP; 4.000% 09/12/2023 DD 09/12/18; No. of SHARES - 400,000	397,852	423,468
ENEL FINANCE INTERNATIONAL 144A	FIXED INCOME; CORP; 3.625% 05/25/2027 DD 05/25/17; No. of SHARES - 700,000	639,576	745,780
ENEL FINANCE INTERNATIONAL 144A	FIXED INCOME; CORP; 2.650% 09/10/2024 DD 09/10/19; No. of SHARES - 800,000	799,032	832,864
FAIRFAX FINANCIAL HOLDING 144A	FIXED INCOME; CORP; 4.625% 04/29/2030 DD 04/29/20; No. of SHARES - 1,000,000	1,000,000	1,002,810

FORTRESS TRANSPORTATION A 144A	FIXED INCOME; CORP; 6.500% 10/01/2025 DD 09/18/18; No. of SHARES - 700,000	693,875	586,250
GE CAPITAL FUNDING LLC 144A	FIXED INCOME; CORP; 4.400% 05/15/2030 DD 05/18/20; No. of SHARES - 1,235,000	1,235,000	1,280,164
GEORGIA-PACIFIC LLC 144A	FIXED INCOME; CORP; 2.300% 04/30/2030 DD 04/30/20; No. of SHARES - 2,355,000	2,352,080	2,409,094
IMPERIAL BRANDS FINANCE P 144A	FIXED INCOME; CORP; 3.125% 07/26/2024 DD 07/26/19; No. of SHARES - 1,400,000	1,393,070	1,417,178
INDIANAPOLIS POWER & LIGHT 144A	FIXED INCOME; CORP; 4.050% 05/01/2046 DD 05/24/16; No. of SHARES - 450,000	450,167	499,406
IPALCO ENTERPRISES INC 144A	FIXED INCOME; CORP; 4.250% 05/01/2030 DD 04/14/20; No. of SHARES - 800,000	799,272	844,400
LEASEPLAN CORP NV 144A	FIXED INCOME; CORP; 2.875% 10/24/2024 DD 10/24/19; No. of SHARES - 1,100,000	1,097,514	1,104,752
LIBERTY MUTUAL GROUP INC 144A	FIXED INCOME; CORP; 3.951% 10/15/2050 DD 09/27/19; No. of SHARES - 1,115,000	1,155,831	1,139,129
LIBERTY MUTUAL GROUP INC 144A	FIXED INCOME; CORP; 3.951% 10/15/2050 DD 09/27/19; No. of SHARES - 790,000	817,911	807,096
LIBERTY MUTUAL GROUP INC 144A	FIXED INCOME; CORP; 3.950% 05/15/2060 DD 05/07/20; No. of SHARES - 645,000	628,320	652,476
LIBERTY MUTUAL GROUP INC 144A	FIXED INCOME; CORP; 3.950% 05/15/2060 DD 05/07/20; No. of SHARES - 230,000	229,768	232,666
MARS INC 144A	FIXED INCOME; CORP; 3.600% 04/01/2034 DD 03/29/19; No. of SHARES - 160,000	160,506	187,574
MARS INC 144A	FIXED INCOME; CORP; 3.875% 04/01/2039 DD 03/29/19; No. of SHARES - 170,000	169,539	199,094
MELCO RESORTS FINANCE LTD 144A	FIXED INCOME; CORP; 5.625% 07/17/2027 DD 07/17/19; No. of SHARES - 800,000	800,000	799,152
MEXICO GENERADORA DE ENER 144A	FIXED INCOME; CORP; 5.500% 12/06/2032 DD 12/06/12; No. of SHARES - 853,133	889,392	880,433
MINERA MEXICO SA DE CV 144A	FIXED INCOME; CORP; 4.500% 01/26/2050 DD 09/26/19; No. of SHARES - 600,000	568,446	575,820
MONONGAHELA POWER CO 144A	FIXED INCOME; CORP; 5.400% 12/15/2043 DD 11/27/13; No. of SHARES - 655,000	789,399	905,099
NXP BV / NXP FUNDING LLC 144A	FIXED INCOME; CORP; 3.875% 06/18/2026 DD 06/18/19; No. of SHARES - 400,000	420,436	431,168
NARRAGANSETT ELECTRIC CO/ 144A	FIXED INCOME; CORP; 3.395% 04/09/2030 DD 04/09/20; No. of SHARES - 800,000	800,000	891,344
NATIONWIDE FINANCIAL SERV 144A	FIXED INCOME; CORP; 3.900% 11/30/2049 DD 11/21/19; No. of SHARES - 285,000	283,598	279,363
NATIONWIDE BUILDING SOCIETY 144A	FIXED INCOME; CORP; VAR RT 03/08/2024 DD 03/08/18; No. of SHARES - 700,000	686,679	734,167
NATIONWIDE BUILDING SOCIETY 144A	FIXED INCOME; CORP; VAR RT 07/18/2030 DD 07/18/19; No. of SHARES - 1,100,000	1,100,338	1,213,993
NESTLE HOLDINGS INC 144A	FIXED INCOME; CORP; 3.900% 09/24/2038 DD 09/24/18; No. of SHARES - 220,000	227,581	267,421
NESTLE HOLDINGS INC 144A	FIXED INCOME; CORP; 4.000% 09/24/2048 DD 09/24/18; No. of SHARES - 1,070,000	1,110,574	1,376,940
NESTLE HOLDINGS INC 144A	FIXED INCOME; CORP; 4.000% 09/24/2048 DD 09/24/18; No. of SHARES - 270,000	280,238	347,452
NEW YORK LIFE INSURANCE CO 144A	FIXED INCOME; CORP; 3.750% 05/15/2050 DD 04/14/20; No. of SHARES - 600,000	596,334	675,132
NEWCREST FINANCE PTY LTD 144A	FIXED INCOME; CORP; 3.250% 05/13/2030 DD 05/13/20; No. of SHARES - 100,000	99,678	104,622
NEWCREST FINANCE PTY LTD 144A	FIXED INCOME; CORP; 4.200% 05/13/2050 DD 05/13/20; No. of SHARES - 825,000	820,677	890,414
NIAGARA MOHAWK POWER CORP 144A	FIXED INCOME; CORP; 4.278% 12/15/2028 DD 12/04/18; No. of SHARES - 900,000	899,991	1,050,930

NORFOLK SOUTHERN CORP 144A	FIXED INCOME; CORP; 3.155% 05/15/2055 DD 05/15/20; No. of SHARES - 681,000	663,689	682,539
NORTHERN NATURAL GAS CO 144A	FIXED INCOME; CORP; 4.300% 01/15/2049 DD 07/17/18; No. of SHARES - 900,000	933,822	1,040,994
ONCOR ELECTRIC DELIVERY CO 144A	FIXED INCOME; CORP; 3.700% 05/15/2050 DD 03/20/20; No. of SHARES - 260,000	259,233	312,161
PERFORMANCE FOOD GROUP IN 144A	FIXED INCOME; CORP; 5.500% 10/15/2027 DD 09/27/19; No. of SHARES - 500,000	500,000	490,065
PERTAMINA PERSERO PT 144A	FIXED INCOME; CORP; 6.500% 11/07/2048 DD 11/07/18; No. of SHARES - 200,000	198,900	245,948
PANASONIC CORP 144A	FIXED INCOME; CORP; 2.536% 07/19/2022 DD 07/19/19; No. of SHARES - 300,000	300,363	305,241
PENSKE TRUCK LEASING CO L 144A	FIXED INCOME; CORP; 4.450% 01/29/2026 DD 01/29/19; No. of SHARES - 600,000	598,392	651,288
PENSKE TRUCK LEASING CO L 144A	FIXED INCOME; CORP; 3.350% 11/01/2029 DD 09/17/19; No. of SHARES - 200,000	199,108	200,514
PERUSAHAAN PERSEROAN PERS 144A	FIXED INCOME; CORP; 6.250% 01/25/2049 DD 10/25/18; No. of SHARES - 200,000	198,586	238,302
PROTECTIVE LIFE CORP 144A	FIXED INCOME; CORP; 4.300% 09/30/2028 DD 08/23/18; No. of SHARES - 400,000	399,036	438,708
PROTECTIVE LIFE CORP 144A	FIXED INCOME; CORP; 3.400% 01/15/2030 DD 09/20/19; No. of SHARES - 1,500,000	1,495,380	1,524,585
PUGET ENERGY INC 144A	FIXED INCOME; CORP; 4.100% 06/15/2030 DD 05/19/20; No. of SHARES - 400,000	399,332	424,004
RELIANCE STANDARD LIFE GL 144A	FIXED INCOME; CORP; 2.625% 07/22/2022 DD 07/22/19; No. of SHARES - 1,200,000	1,199,520	1,212,912
RIO OIL FINANCE TRUST SER 144A	FIXED INCOME; CORP; 8.200% 04/06/2028 DD 04/19/18; No. of SHARES - 800,000	800,000	800,008
SMBC AVIATION CAPITAL FIN 144A	FIXED INCOME; CORP; 4.125% 07/15/2023 DD 07/30/18; No. of SHARES - 300,000	299,592	303,630
[illegible] 144A	[illegible] DD 04/30/18; No. of SHARES - 400,000	406,852	434,108
[illegible] 144A	[illegible] DD 04/30/18; No. of SHARES - 385,000	398,448	429,267
[illegible] 144A	[illegible] DD 05/08/20; No. of SHARES - 300,000	299,232	329,013
[illegible] 144A	[illegible] DD 05/08/20; No. of SHARES - 240,000	239,386	263,210
SAUDI ARABIAN OIL CO 144A	[illegible] DD 04/16/19; No. of SHARES - 65,000	62,345	72,068
[illegible] 144A	[illegible] DD 09/12/18; No. of SHARES - 900,000	895,995	1,004,112
SUNTORY HOLDINGS LTD 144A	[illegible] DD 10/16/19; No. of SHARES - 800,000	798,688	822,152
SYNGENTA FINANCE NV 144A	[illegible] DD 04/24/18; No. of SHARES - 900,000	930,364	919,224
T-MOBILE USA INC 144A	[illegible] DD 04/09/20; No. of SHARES - 615,000	602,854	679,218
T-MOBILE USA INC 144A	FIXED INCOME; CORP; 4.375% 04/15/2040 DD 04/09/20; No. of SHARES - 1,300,000	1,274,325	1,435,746
T-MOBILE USA INC 144A	FIXED INCOME; CORP; 4.500% 04/15/2050 DD 04/09/20; No. of SHARES - 1,075,000	1,070,431	1,214,223
TEACHERS INSURANCE & ANNU 144A	FIXED INCOME; CORP; 4.270% 05/15/2047 DD 05/08/17; No. of SHARES - 865,000	901,408	1,018,866
TENCENT HOLDINGS LTD 144A	FIXED INCOME; CORP; 3.975% 04/11/2029 DD 04/11/19; No. of SHARES - 1,400,000	1,399,538	1,570,016
TEXAS EASTERN TRANSMISSIO 144A	FIXED INCOME; CORP; 4.150% 01/15/2048 DD 01/09/18; No. of SHARES - 140,000	136,284	140,966
TRANSCONTINENTAL GAS PIPE 144A	FIXED INCOME; CORP; 3.250% 05/15/2030 DD 05/08/20; No. of SHARES - 310,000	309,340	330,076
TRIVIUM PACKAGING FINANCE 144A	FIXED INCOME; CORP; VAR RT 08/15/2026 DD 08/02/19; No. of SHARES - 600,000	600,000	629,442
VOLKSWAGEN GROUP OF AMERI 144A	FIXED INCOME; CORP; 3.750% 05/13/2030 DD 05/13/20; No. of SHARES - 500,000	499,630	529,815

WOODSIDE FINANCE LTD 144A	FIXED INCOME; CORP; 4.500% 03/04/2029 DD 03/04/19; No. of SHARES - 400,000	399,268	421,760
AEP TEXAS INC	FIXED INCOME; CORP; 3.450% 01/15/2050 DD 12/05/19; No. of SHARES - 70,000	79,151	73,778
AEP TEXAS INC	FIXED INCOME; CORP; 3.800% 10/01/2047 DD 09/22/17; No. of SHARES - 235,000	245,904	261,322
FEDERAL HOME LN MTG CORP STRIP	FIXED INCOME; CORP; 0.000% 09/15/2029 DD 10/25/00; No. of SHARES - 1,300,000	1,055,667	1,151,800
FEDERAL HOME LN MTG CORP STRIP	FIXED INCOME; CORP; 0.000% 03/15/2031 DD 10/25/00; No. of SHARES - 500,000	179,131	429,295
PELABUHAN INDONESIA III P REGS	FIXED INCOME; CORP; 4.500% 05/02/2023 DD 05/02/18; No. of SHARES - 600,000	593,394	612,000
CENTRAL JAPAN RAILWAY CO REGS	FIXED INCOME; CORP; 2.200% 10/02/2024; No. of SHARES - 900,000	909,405	925,624
UNITED PARCEL SERVICE INC	FIXED INCOME; CORP; 5.300% 04/01/2050 DD 03/24/20; No. of SHARES - 85,000	84,505	120,274
UNITED PARCEL SERVICE INC	FIXED INCOME; CORP; 5.200% 04/01/2040 DD 03/24/20; No. of SHARES - 165,000	164,206	219,503
UNION PACIFIC CORP	FIXED INCOME; CORP; 3.750% 02/05/2070 DD 01/31/20; No. of SHARES - 1,065,000	1,064,521	1,168,561
UNION PACIFIC CORP	FIXED INCOME; CORP; 3.839% 03/20/2060 DD 03/20/20; No. of SHARES - 165,000	172,592	189,603
UNION PACIFIC CORP	FIXED INCOME; CORP; 4.300% 03/01/2049 DD 02/19/19; No. of SHARES - 380,000	391,719	476,379
UNION PACIFIC CORP	FIXED INCOME; CORP; 4.375% 09/10/2038 DD 06/08/18; No. of SHARES - 280,000	293,311	335,572
UNION PACIFIC CORP	FIXED INCOME; CORP; 4.375% 09/10/2038 DD 06/08/18; No. of SHARES - 2,010,000	2,105,555	2,408,925
UNION PACIFIC CORP	FIXED INCOME; CORP; 3.799% 10/01/2051 DD 10/04/16; No. of SHARES - 710,000	686,355	827,903
NORFOLK SOUTHERN CORP	FIXED INCOME; CORP; 3.942% 11/01/2047 DD 05/01/18; No. of SHARES - 100,000	97,372	116,915
NORFOLK SOUTHERN CORP	FIXED INCOME; CORP; 4.050% 08/15/2052 DD 02/15/18; No. of SHARES - 165,000	149,865	191,448
NORFOLK SOUTHERN CORP	FIXED INCOME; CORP; 4.050% 08/15/2052 DD 02/15/18; No. of SHARES - 940,000	923,528	1,090,673
HOME DEPOT INC/THE	FIXED INCOME; CORP; 4.875% 02/15/2044 DD 09/10/13; No. of SHARES - 580,000	661,171	789,542
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.900% 06/15/2047 DD 06/05/17; No. of SHARES - 380,000	381,448	459,279
HOME DEPOT INC/THE	FIXED INCOME; CORP; 4.500% 12/06/2048 DD 12/06/18; No. of SHARES - 45,000	56,102	59,585
HOME DEPOT INC/THE	FIXED INCOME; CORP; 4.500% 12/06/2048 DD 12/06/18; No. of SHARES - 1,445,000	1,585,237	1,913,325
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.125% 12/15/2049 DD 01/13/20; No. of SHARES - 170,000	176,295	183,865
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.125% 12/15/2049 DD 01/13/20; No. of SHARES - 1,070,000	1,115,068	1,157,269
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.300% 04/15/2040 DD 03/30/20; No. of SHARES - 145,000	143,715	161,640
HOME DEPOT INC/THE	FIXED INCOME; CORP; 3.350% 04/15/2050 DD 03/30/20; No. of SHARES - 130,000	128,515	147,256
LOWE'S COS INC	FIXED INCOME; CORP; 4.375% 09/15/2045 DD 09/16/15; No. of SHARES - 335,000	330,417	393,602
LOWE'S COS INC	FIXED INCOME; CORP; 3.700% 04/15/2046 DD 04/20/16; No. of SHARES - 265,000	283,407	291,375
LOWE'S COS INC	FIXED INCOME; CORP; 4.550% 04/05/2049 DD 04/05/19; No. of SHARES - 1,785,000	1,783,126	2,222,111

LOWE'S COS INC	FIXED INCOME; CORP; 4.550% 04/05/2049 DD 04/05/19; No. of SHARES - 165,000	169,310	205,405
MCDONALD'S CORP	FIXED INCOME; CORP; 4.600% 05/26/2045 DD 05/26/15; No. of SHARES - 600,000	621,858	736,398
MCDONALD'S CORP	FIXED INCOME; CORP; 4.875% 12/09/2045 DD 12/09/15; No. of SHARES - 55,000	63,483	69,545
MCDONALD'S CORP	FIXED INCOME; CORP; 3.800% 04/01/2028 DD 03/16/18; No. of SHARES - 400,000	398,004	459,784
MCDONALD'S CORP	FIXED INCOME; CORP; 4.450% 09/01/2048 DD 08/15/18; No. of SHARES - 30,000	32,985	36,840
MCDONALD'S CORP	FIXED INCOME; CORP; 3.625% 09/01/2049 DD 08/12/19; No. of SHARES - 630,000	617,873	686,429
MCDONALD'S CORP	FIXED INCOME; CORP; 3.625% 09/01/2049 DD 08/12/19; No. of SHARES - 110,000	119,050	119,853
MCDONALD'S CORP	FIXED INCOME; CORP; 3.600% 07/01/2030 DD 03/27/20; No. of SHARES - 145,000	143,936	164,181
STARBUCKS CORP	FIXED INCOME; CORP; 3.500% 11/15/2050 DD 05/07/20; No. of SHARES - 245,000	250,083	250,152
TARGET CORP	FIXED INCOME; CORP; 4.000% 07/01/2042 DD 06/26/12; No. of SHARES - 420,000	427,333	526,554
TARGET CORP	FIXED INCOME; CORP; 2.650% 09/15/2030 DD 03/31/20; No. of SHARES - 100,000	99,593	108,910
WALMART INC	FIXED INCOME; CORP; 4.000% 04/11/2043 DD 04/11/13; No. of SHARES - 3,001,000	3,574,401	3,763,764
WALMART INC	FIXED INCOME; CORP; 3.950% 06/28/2038 DD 06/27/18; No. of SHARES - 360,000	375,199	444,200
WALMART INC	FIXED INCOME; CORP; 4.050% 06/29/2048 DD 06/27/18; No. of SHARES - 845,000	921,749	1,085,977
WALMART INC	FIXED INCOME; CORP; 2.950% 09/24/2049 DD 09/24/19; No. of SHARES - 385,000	375,830	425,598
KANSAS CITY SOUTHERN	FIXED INCOME; CORP; 4.950% 08/15/2045 DD 02/15/16; No. of SHARES - 200,000	217,496	251,600
KANSAS CITY SOUTHERN	FIXED INCOME; CORP; 4.300% 05/15/2043 DD 05/15/16; No. of SHARES - 600,000	595,626	690,384
FEDEX CORP	FIXED INCOME; CORP; 4.400% 01/15/2047 DD 01/06/17; No. of SHARES - 105,000	98,766	107,240
FEDEX CORP	FIXED INCOME; CORP; 5.100% 01/15/2044 DD 01/09/14; No. of SHARES - 35,000	36,549	39,134
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 6.150% 05/01/2037 DD 04/13/07; No. of SHARES - 415,000	533,964	580,797
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.150% 12/15/2048 DD 08/02/18; No. of SHARES - 55,000	64,859	67,421
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.050% 06/15/2048 DD 03/05/18; No. of SHARES - 140,000	143,843	168,706
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.150% 04/01/2045 DD 03/09/15; No. of SHARES - 3,015,000	3,138,223	3,647,969
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.150% 04/01/2045 DD 03/09/15; No. of SHARES - 395,000	426,297	477,926
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.550% 09/01/2044 DD 08/18/14; No. of SHARES - 135,000	157,744	168,078
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 4.375% 09/01/2042 DD 08/23/12; No. of SHARES - 135,000	142,441	164,564
BURLINGTON NORTHERN SANTA FE	FIXED INCOME; CORP; 5.050% 03/01/2041 DD 09/10/10; No. of SHARES - 135,000	154,605	175,751
PERKINELMER INC	FIXED INCOME; CORP; 3.300% 09/15/2029 DD 09/12/19; No. of SHARES - 900,000	897,030	931,113
ORACLE CORP	FIXED INCOME; CORP; 3.850% 04/01/2060 DD 04/01/20; No. of SHARES - 800,000	796,920	916,088

ORACLE CORP	FIXED INCOME; CORP; 3.600% 04/01/2050 DD 04/01/20; No. of SHARES - 800,000	797,232	891,960
ORACLE CORP	FIXED INCOME; CORP; 3.600% 04/01/2040 DD 04/01/20; No. of SHARES - 4,165,000	4,153,796	4,611,155
ORACLE CORP	FIXED INCOME; CORP; 2.950% 04/01/2030 DD 04/01/20; No. of SHARES - 500,000	499,485	548,495
ORACLE CORP	FIXED INCOME; CORP; 3.800% 11/15/2037 DD 11/09/17; No. of SHARES - 285,000	281,554	324,655
ORACLE CORP	FIXED INCOME; CORP; 3.800% 11/15/2037 DD 11/09/17; No. of SHARES - 400,000	398,496	455,656
ORACLE CORP	FIXED INCOME; CORP; 4.000% 07/15/2046 DD 07/07/16; No. of SHARES - 285,000	290,158	330,443
ORACLE CORP	FIXED INCOME; CORP; 3.850% 07/15/2036 DD 07/07/16; No. of SHARES - 90,000	99,394	104,288
ORACLE CORP	FIXED INCOME; CORP; 4.125% 05/15/2045 DD 05/05/15; No. of SHARES - 365,000	364,865	432,277
ORACLE CORP	FIXED INCOME; CORP; 4.300% 07/08/2034 DD 07/08/14; No. of SHARES - 740,000	792,943	908,328
NVIDIA CORP	FIXED INCOME; CORP; 3.700% 04/01/2060 DD 03/31/20; No. of SHARES - 55,000	54,840	65,047
NVIDIA CORP	FIXED INCOME; CORP; 3.500% 04/01/2050 DD 03/31/20; No. of SHARES - 375,000	374,033	427,328
ACTIVISION BLIZZARD INC	FIXED INCOME; CORP; 3.400% 06/15/2027 DD 05/26/17; No. of SHARES - 700,000	695,569	762,650
APPLE INC	FIXED INCOME; CORP; 3.850% 05/04/2043 DD 05/03/13; No. of SHARES - 815,000	806,475	999,304
APPLE INC	FIXED INCOME; CORP; 3.450% 02/09/2045 DD 02/09/15; No. of SHARES - 540,000	511,925	623,117
APPLE INC	FIXED INCOME; CORP; 4.500% 02/23/2036 DD 02/23/16; No. of SHARES - 245,000	271,161	319,779
APPLE INC	FIXED INCOME; CORP; 4.650% 02/23/2046 DD 02/23/16; No. of SHARES - 865,000	955,732	1,191,062
APPLE INC	FIXED INCOME; CORP; 3.850% 08/04/2046 DD 08/04/16; No. of SHARES - 290,000	293,000	357,901
APPLE INC	FIXED INCOME; CORP; 2.900% 09/12/2027 DD 09/12/17; No. of SHARES - 1,000,000	998,880	1,120,320
APPLE INC	FIXED INCOME; CORP; 3.750% 09/12/2047 DD 09/12/17; No. of SHARES - 60,000	73,162	73,063
APPLE INC	FIXED INCOME; CORP; 2.950% 09/11/2049 DD 09/11/19; No. of SHARES - 170,000	178,133	184,819
APPLE INC	FIXED INCOME; CORP; 2.650% 05/11/2050 DD 05/11/20; No. of SHARES - 1,030,000	1,015,281	1,063,588
BROADCOM CORP / BROADCOM CAYMA	FIXED INCOME; CORP; 3.875% 01/15/2027 DD 01/15/18; No. of SHARES - 100,000	94,915	105,313
BROADCOM CORP / BROADCOM CAYMA	FIXED INCOME; CORP; 3.125% 01/15/2025 DD 10/17/17; No. of SHARES - 200,000	199,944	206,716
FISERV INC	FIXED INCOME; CORP; 2.750% 07/01/2024 DD 06/24/19; No. of SHARES - 300,000	299,496	318,930
FISERV INC	FIXED INCOME; CORP; 4.400% 07/01/2049 DD 06/24/19; No. of SHARES - 1,775,000	2,006,006	2,157,016
FISERV INC	FIXED INCOME; CORP; 4.400% 07/01/2049 DD 06/24/19; No. of SHARES - 525,000	526,732	637,991
FISERV INC	FIXED INCOME; CORP; 2.650% 06/01/2030 DD 05/13/20; No. of SHARES - 1,370,000	1,367,589	1,415,265
FLEX LTD	FIXED INCOME; CORP; 3.750% 02/01/2026 DD 05/12/20; No. of SHARES - 700,000	697,319	721,525
HEWLETT PACKARD ENTERPRISE CO	FIXED INCOME; CORP; 4.650% 10/01/2024 DD 04/09/20; No. of SHARES - 1,235,000	1,232,740	1,360,525

INTEL CORP	FIXED INCOME; CORP; 4.000% 12/15/2032 DD 12/11/12; No. of SHARES - 295,000	316,980	364,068
INTEL CORP	FIXED INCOME; CORP; 3.734% 12/08/2047 DD 06/08/18; No. of SHARES - 415,000	407,993	487,932
INTERNATIONAL BUSINESS MACHINE	FIXED INCOME; CORP; 4.250% 05/15/2049 DD 05/15/19; No. of SHARES - 2,030,000	2,453,133	2,505,365
MICROSOFT CORP	FIXED INCOME; CORP; 3.500% 02/12/2035 DD 02/12/15; No. of SHARES - 135,000	136,249	164,029
MICROSOFT CORP	FIXED INCOME; CORP; 3.450% 08/08/2036 DD 08/08/16; No. of SHARES - 610,000	608,939	720,081
MICROSOFT CORP	FIXED INCOME; CORP; 3.700% 08/08/2046 DD 08/08/16; No. of SHARES - 2,530,000	2,562,990	3,152,228
MICROSOFT CORP	FIXED INCOME; CORP; 3.700% 08/08/2046 DD 08/08/16; No. of SHARES - 1,020,000	1,029,018	1,270,859
MICROSOFT CORP	FIXED INCOME; CORP; 3.950% 08/08/2056 DD 08/08/16; No. of SHARES - 516,000	534,387	675,738
MICROSOFT CORP	FIXED INCOME; CORP; 4.100% 02/06/2037 DD 02/06/17; No. of SHARES - 694,000	748,243	881,901
MICROSOFT CORP	FIXED INCOME; CORP; 2.525% 06/01/2050 DD 06/01/20; No. of SHARES - 636,000	646,017	646,888
MICROSOFT CORP	FIXED INCOME; CORP; 2.675% 06/01/2060 DD 06/01/20; No. of SHARES - 394,000	400,954	404,488
MICROSOFT CORP	FIXED INCOME; CORP; 2.675% 06/01/2060 DD 06/01/20; No. of SHARES - 2,552,373	2,597,422	2,620,317
MICRON TECHNOLOGY INC	FIXED INCOME; CORP; 4.185% 02/15/2027 DD 07/12/19; No. of SHARES - 1,000,000	999,934	1,105,110
NVIDIA CORP	FIXED INCOME; CORP; 3.500% 04/01/2040 DD 03/31/20; No. of SHARES - 210,000	209,580	238,718
		$3,377,514,265	$3,765,329,922

Schedule SB Attachment (Form 5500)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 PN: 001

Schedule SB, line 32—Schedule of Amortization Bases

LORD Corporation Salaried Employees' Pension Plan as of January 1, 2020

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment	Prorated Amortization Installment
Shortfall	$ 8,739,066	January 1, 2017	4	$ 2,306,527	$ 961,053
Shortfall	$ 1,712,292	January 1, 2018	5	$ 368,057	$ 153,357
Shortfall	$ 8,420,496	January 1, 2019	6	$ 1,552,782	$ 646,993
Shortfall	$ (8,288,832)	January 1, 2020	7	$ (1,346,834)	$ (561,181)
Total	$ 10,583,022			$ 2,880,532	$ 1,200,222

LORD Corporation Hourly Employees' Pension Plan as of January 1, 2020

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment	Prorated Amortization Installment
Shortfall	$ 2,716,187	January 1, 2017	4	$ 716,891	$ 298,705
Shortfall	$ 407,411	January 1, 2018	5	$ 87,573	$ 36,489
Shortfall	$ 733,169	January 1, 2019	6	$ 135,200	$ 56,333
Shortfall	$ (1,392,561)	January 1, 2020	7	$ (226,274)	$ (94,281)
Total	$ 2,464,206			$ 713,390	$ 297,246

Parker-Hannifin Consolidated Pension Plan – A as of June 1, 2019 (Prior to Merger Adjustments)

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment
Shortfall	$ 2,770,001	June 1, 2015	3	$ 957,436
Shortfall	$ 22,014,400	June 1, 2016	4	$ 5,810,324
Shortfall	$ 77,459,714	June 1, 2017	5	$ 16,649,954
Shortfall	$ (42,883,028)	June 1, 2018	6	$ (7,907,847)
Shortfall	$ 86,179,250	June 1, 2019	7	$ 14,003,076
Total	$ 145,540,337			$ 29,512,943

Total Parker-Hannifin Consolidated Pension Plan – A (After Merger Adjustments)

Present Value of Installment	Amortization Installment
$ 158,587,565	$ 31,010,411

Schedule SB Attachment (Form 5500)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 PN: 001

Schedule SB, line 25—Change in Method

The funding valuation reflects the following method changes that are being requested for approval:

Following the mergers, the funding methods for the Parker-Hannifin Consolidated Pension Plan - A are the same methods of the Parker-Hannifin Consolidated Pension Plan - A 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.
  - A value of plan assets will be calculated as of January 1, 2020 for each of the plans merging in and used to determine results from January 1, 2020 to May 21, 2020.
  - As of June 1, 2020, 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.
- The Prefunding Balance will be brought forward with the rate of return on assets for the merged plan from December 31, 2019 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, 2020.
- 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)—June 1, 2019 Plan Year
Parker-Hannifin Consolidated Pension Plan - A
EIN: 34-0451060 PN: 001

Schedule SB, line 24—Change in Actuarial Assumptions

The funding valuation reflects the following non-prescribed assumption change:

- A change in the TV commencement assumption from 100% of TVs over age 80 will commence payments to 20% of TVs over age 90 will commence payments and 50% of TVs over age 80 will commence payments.

The changes were made to better reflect anticipated plan experience. The funding assumption change did not reduce the funding shortfall more than the thresholds stated under section 430(h)(5), so approval of the Commissioner is not required.