

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). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 2018 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2018 or fiscal plan year beginning <u>10/01/2018</u> and ending <u>09/30/2019</u>			
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 <u>ALLISON TRANSMISSION HOURLY-RATE EMPLOYEES PENSION PLAN</u>	1b	Three-digit plan number (PN) ▶ <u>004</u>
		1c	Effective date of plan <u>08/07/2007</u>
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) <u>ALLISON TRANSMISSION, INC.</u> <u>ONE ALLISON WAY</u> <u>INDIANAPOLIS, IN 46222-3271</u>	2b	Employer Identification Number (EIN) <u>26-0413897</u>
		2c	Plan Sponsor's telephone number <u>317-242-3561</u>
		2d	Business code (see instructions) <u>336300</u>

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.	07/10/2020	DOUG R. BOLTON
	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

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2018)
v. 171027

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
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 1170
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 a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 635 6a(2) 532 6b 470 6c 124 6d 1126 6e 41 6f 1167 6g 6h 0
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:

1B 3H

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
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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 2018 Form M-1 annual report. If the plan was not required to file the 2018 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 2018 This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning 10/01/2018 and ending 09/30/2019

▶ **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 <u>ALLISON TRANSMISSION HOURLY-RATE EMPLOYEES PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>004</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>ALLISON TRANSMISSION, INC.</u>	D Employer Identification Number (EIN) <u>26-0413897</u>

E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500
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Part I	Basic Information
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1 Enter the valuation date: Month <u>10</u> Day <u>01</u> Year <u>2018</u>			
2 Assets:			
a Market value.....	2a	<u>95715091</u>	
b Actuarial value	2b	<u>95715091</u>	
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	<u>412</u>	<u>26372613</u>	<u>26372613</u>
b For terminated vested participants	<u>125</u>	<u>2587652</u>	<u>2587652</u>
c For active participants	<u>635</u>	<u>40888161</u>	<u>42054664</u>
d Total	<u>1172</u>	<u>69848426</u>	<u>71014929</u>
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	<u>5.75 %</u>	
6 Target normal cost	6	<u>2896866</u>	

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		<u>07/06/2020</u>
Signature of actuary		Date
<u>DAVID L. JAKES, FSA, EA, MAAA</u>		<u>20-05110</u>
Type or print name of actuary		Most recent enrollment number
<u>MERCER</u>		<u>614-227-5555</u>
Firm name		Telephone number (including area code)
<u>325 JOHN H MCCONNELL BLVD SUITE 350 COLUMBUS, OH 43215</u>		
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	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	0
10 Interest on line 9 using prior year's actual return of <u>-0.14</u> %	0	0
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 <u>5.94</u> %		0
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		
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	0

Part III Funding Percentages

14 Funding target attainment percentage	14	134.78%
15 Adjusted funding target attainment percentage	15	134.78%
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	152.02%
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? ☐ Yes ☒ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

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

21 Discount rate:				
a Segment rates:	1st segment: 3.92%	2nd segment: 5.52%	3rd segment: 6.29%	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 0
22 Weighted average retirement age				22 62
23 Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate	☐ Substitute
	Current regulation:	☐ 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	2896866	
b Excess assets, if applicable, but not greater than line 31a	31b	2896866	
32 Amortization installments:	Outstanding Balance		Installment
a Net shortfall amortization installment	0	0	
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	0	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
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) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider 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
		2018
		This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 10/01/2018 and ending 09/30/2019

A Name of plan ALLISON TRANSMISSION HOURLY-RATE EMPLOYEES PENSION PLAN	B Three-digit plan number (PN) ▶ 004
C Plan sponsor's name as shown on line 2a of Form 5500 ALLISON TRANSMISSION, INC.	D Employer Identification Number (EIN) 26-0413897

Part I	Service Provider Information (see instructions)
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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
DIMENSIONAL FUND ADVISORS LP
30-0447847

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
EATON VANCE MANAGEMENT (EVM) TWO INTERNATIONAL PLACE BOSTON, MA 02110

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
PIMCO
33-0629048

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

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

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

RYAN LABS, INC.

47-3503928

(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?
51 18 49	NONE	165679	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

WELLS FARGO BANK NA

94-1347393

(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 15	NONE	71182	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

CAPFINANCIAL PARTNERS, LLC

26-0058143

(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?
51	NONE	44875	Yes ☐ No ☒	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)

WELLS FARGO FUNDS MANAGEMENT, LLC

71-0828842

(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?
52	NONE	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

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

HARTFORD FUNDS MANAGEMENT GROUP

PO BOX 55022
BOSTON, MA 02205-5022

(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?
52	NONE	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

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

PRINCIPAL GLOBAL INVESTOR

711 HIGH STREET
DES MOINES, IA 50392

(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?
52	NONE	0	Yes ☒ No ☐	Yes ☐ No ☒	0	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)

BLACKSTONE ALTERNATIVE INV ADVISORS

345 PARK AVENUE, 28TH FLOOR
NEW YORK, NY 10154

(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?
52	NONE	0	Yes ☒ No ☐	Yes ☐ No ☒	0	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
WELLS FARGO FUNDS MANAGEMENT, LLC	52	0
(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.	
WELLS FARGO TREASURY PLUS MONEY MKT 71-0828842	0.20% INVESTMENT MANAGEMENT FEE	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
HARTFORD FUNDS MANAGEMENT GROUP	52	0
(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.	
HARTFORD INTERNATIONAL OPPS FUND PO BOX 55022 BOSTON, MA 02205-5022	0.79% INVESTMENT MANAGEMENT FEE	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
PRINCIPAL GLOBAL INVESTORS	52	0
(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.	
PRINCIPAL REAL ESTATE SECURITIES 711 HIGH STREET DES MOINES, IA 50392	0.88% INVESTMENT MANAGEMENT FEE	

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
BLACKSTONE ALTERNATIVE INV ADVISORS	52	0
(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.	
BLACKSTONE ALTERNATIVE MULTI-STRAT 345 PARK AVENUE, 28TH FLOOR NEW YORK, NY 10154	2.40% INVESTMENT MANAGEMENT FEE	
(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) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	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 <hr/> 2018 <hr/> This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 10/01/2018 and ending 09/30/2019

A Name of plan <u>ALLISON TRANSMISSION HOURLY-RATE EMPLOYEES PENSION PLAN</u>	B Three-digit plan number (PN)	<u>004</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>ALLISON TRANSMISSION, INC.</u>	D Employer Identification Number (EIN) <u>26-0413897</u>	

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: <u>IRT MIRRORED HOLDING</u>		
b Name of sponsor of entity listed in (a): <u>NORTHERN TRUST INVESTMENTS, INC.</u>		
c EIN-PN <u>26-0413897-001</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>4220109</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>CASH</u>		
b Name of sponsor of entity listed in (a): <u>NORTHERN TRUST INVESTMENTS, INC.</u>		
c EIN-PN <u>26-0413897-002</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>17</u>
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

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

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**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) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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 2018 This Form is Open to Public Inspection
For calendar plan year 2018 or fiscal plan year beginning 10/01/2018 and ending 09/30/2019		
A Name of plan ALLISON TRANSMISSION HOURLY-RATE EMPLOYEES PENSION PLAN		B Three-digit plan number (PN) ► 004
C Plan sponsor's name as shown on line 2a of Form 5500 ALLISON TRANSMISSION, INC.		D Employer Identification Number (EIN) 26-0413897

Part I	Asset and Liability Statement		(a) Beginning of Year	(b) End of Year
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	Total noninterest-bearing cash	1a	0	0
b	Receivables (less allowance for doubtful accounts):			
	(1) Employer contributions.....	1b(1)	0	0
	(2) Participant contributions	1b(2)		
	(3) Other.....	1b(3)	576106	591577
c	General investments:			
	(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	1718132	937644
	(2) U.S. Government securities	1c(2)	21271627	26428766
	(3) Corporate debt instruments (other than employer securities):			
	(A) Preferred	1c(3)(A)	46880573	51843132
	(B) All other.....	1c(3)(B)	10567888	11228463
	(4) Corporate stocks (other than employer securities):			
	(A) Preferred	1c(4)(A)		
	(B) Common.....	1c(4)(B)		
	(5) Partnership/joint venture interests	1c(5)		
	(6) Real estate (other than employer real property).....	1c(6)		
	(7) Loans (other than to participants)	1c(7)		
	(8) Participant loans.....	1c(8)		
	(9) Value of interest in common/collective trusts	1c(9)	4047901	4220126
	(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)	10652864	11053410
	(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
	(15) Other	1c(15)	0	621390

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(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	95715091	106924508

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	95715091	106924508
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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)	0	
(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)	38983	
(B) U.S. Government securities	2b(1)(B)	473454	
(C) Corporate debt instruments	2b(1)(C)	2012380	
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)	178249	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		2703066
(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)	138498	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		138498
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	44839897	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	44286451	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		553446
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	10471269	
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		10471269

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		172225
(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)		262048
c Other income.....	2c		10352
d Total income. Add all income amounts in column (b) and enter total	2d		14310904

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	2732605	
(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)		2732605
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)		
(2) Contract administrator fees.....	2i(2)	71182	
(3) Investment advisory and management fees.....	2i(3)	210592	
(4) Other	2i(4)	87108	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		368882
j Total expenses. Add all expense amounts in column (b) and enter total	2j		3101487

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		11209417
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

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

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

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

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)?

☒ Yes ☐ No

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

(1) Name: **BKD LLP**

(2) EIN: **44-0160260**

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:

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.).....

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.)

	Yes	No	Amount
4a		X	
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		500000
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			
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 4269462. (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 2018 This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 10/01/2018 and ending 09/30/2019

A Name of plan <u>ALLISON TRANSMISSION HOURLY-RATE EMPLOYEES PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>004</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>ALLISON TRANSMISSION, INC.</u>	D Employer Identification Number (EIN) <u>26-0413897</u>

Part I	Distributions
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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	<u>0</u>
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): <u>26-6189386</u>		
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	<u>0</u>

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
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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.
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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

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2018
v. 171027

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

b The plan year immediately preceding the current plan year

c The second preceding plan year

14a**14b****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

b The corresponding number for the second preceding plan year

15a**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

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

16a**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: 11.0% Investment-Grade Debt: 84.0% High-Yield Debt: _____% Real Estate: 1.0% Other: 4.0%

- 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):

Allison Transmission Hourly-Rate Employees Pension Plan

EIN 26-0413897 PN 004

Independent Auditor's Report and Financial Statements

September 30, 2019 and 2018

Allison Transmission Hourly-Rate Employees Pension Plan

September 30, 2019 and 2018

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Independent Auditor's Report

Plan Administrator
Allison Transmission Hourly-Rate Employees Pension Plan
Indianapolis, Indiana

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Allison Transmission Hourly-Rate Employees Pension Plan, which comprise the statements of net assets available for benefits as of September 30, 2019 and 2018, and the related statements of changes in net assets available for benefits for the years then ended, and the statement of accumulated plan benefits as of October 1, 2018 and the related statement of changes in accumulated plan benefits for the year then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

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

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting our 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 Rules and Regulations for Reporting and Disclosure under the *Employee Retirement Income Security Act of 1974*, the Plan Administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3, which was certified by Wells Fargo Bank N.A., the trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the Plan Administrator that the trustee holds the Plan's investment assets and executes investment transactions. The Plan Administrator has obtained certifications from the trustee as of and for the years ended September 30, 2019 and 2018, that the information provided to the Plan Administrator by the trustee 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

The supplemental schedules listed in the table of contents are required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the *Employee Retirement Income Security Act of 1974* and are presented for the 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 these supplemental schedules.

Report on Form and Content in Compliance With DOL Rules and Regulations

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

BKD, LLP

Indianapolis, Indiana
July 9, 2020

Federal Employer Identification Number: 44-0160260

Allison Transmission Hourly-Rate Employees Pension Plan

Statements of Net Assets Available for Benefits

September 30, 2019 and 2018

Assets

	<u>2019</u>	<u>2018</u>
Investments , at fair value	\$ 106,332,931	\$ 95,138,985
Receivables		
Accrued interest income	<u>591,577</u>	<u>576,106</u>
Net Assets Available for Benefits	<u><u>\$ 106,924,508</u></u>	<u><u>\$ 95,715,091</u></u>

Allison Transmission Hourly-Rate Employees Pension Plan

Statements of Changes in Net Assets Available for Benefits

Years Ended September 30, 2019 and 2018

	<u>2019</u>	<u>2018</u>
Additions		
Investment Income (Loss)		
Net appreciation (depreciation) in fair value of investments	\$ 11,458,988	\$ (2,633,753)
Interest and dividends	2,841,564	2,500,514
Other income	10,352	11,032
Net investment income (loss)	<u>14,310,904</u>	<u>(122,207)</u>
Deductions		
Benefits paid to participants	2,732,605	2,003,150
Administrative expenses	281,774	264,470
Pension Benefit Guaranty Corporation premium	87,108	80,937
Total	<u>3,101,487</u>	<u>2,348,557</u>
Net Increase (Decrease)	11,209,417	(2,470,764)
Net Assets Available for Benefits, Beginning of Year	<u>95,715,091</u>	<u>98,185,855</u>
Net Assets Available for Benefits, End of Year	<u><u>\$ 106,924,508</u></u>	<u><u>\$ 95,715,091</u></u>

Allison Transmission Hourly-Rate Employees Pension Plan

Statement of Accumulated Plan Benefits and Changes in Accumulated Plan Benefits October 1, 2018

Statement of Accumulated Plan Benefits

	October 1, 2018
	<hr/>
Vested benefits	
Participants and beneficiaries currently receiving payments	\$ 28,522,194
Other participants	50,395,781
	<hr/>
	78,917,975
Nonvested benefits	1,519,526
	<hr/>
Total actuarial present value of accumulated plan benefits	<hr/> \$ 80,437,501 <hr/>

Statement of Changes in Accumulated Plan Benefits

	Year Ended October 1, 2018
	<hr/>
Actuarial present value of accumulated plan benefits, beginning of year	\$ 77,133,479
	<hr/>
Increase (decrease) during the year and period attributable to	
Benefits accumulated	4,472,213
Increase for interest due to the decrease in the discount period	3,422,180
Benefits paid	(2,003,150)
Change in actuarial assumptions (mortality and updated experience study)	(2,587,221)
	<hr/>
Actuarial present value of accumulated plan benefits, end of year	<hr/> \$ 80,437,501 <hr/>

Allison Transmission Hourly-Rate Employees Pension Plan

Notes to Financial Statements September 30, 2019 and 2018

Note 1: Description of the Plan

The following description of the Plan provides only general information. Additional information about the vesting and benefit provisions and the Pension Benefit Guaranty Corporation's (PBGC) benefit guarantee is contained in the Plan Document and *Summary Plan Description*, which are available from the Plan Administrator. Any inconsistencies between the Plan Document and the *Summary Plan Description* would be governed by the Plan Document.

General

The Plan was established in 2007 as a result of the spin-off of Allison Transmission, Inc. (Company) from General Motors Corporation (GM). All employees of the Company who had worked for GM prior to August 7, 2007 and were participants in the GM Hourly-Rate Employees Pension Plan (GM Plan) maintained their credited service with the GM Plan and will be paid benefits for such prior service from the GM Plan. The Plan will pay benefits to participants based on credited service earned with the Company on and after August 7, 2007. Service with GM will be counted by the Plan for vesting purposes and to determine eligibility to retire for Transferred Employees. Service with GM will be counted for vesting, eligibility to retire and the amount of pension benefit for special Unvested Participants. It was the intent of the Company at the time of spin off from GM that the Plan generally contain the same provisions as the GM Plan, such that employees who transferred from GM to the Company would maintain the same benefit, in aggregate, that would have been provided had the spin-off not occurred and the employees had continued working for GM.

The Plan is a noncontributory defined-benefit retirement plan for eligible hourly-rate employees who are covered by the collective bargaining agreement between the Company and the International Union, United Automobile, Aerospace and Agricultural Implement Workers of America (Union). The Plan is subject to provisions of the *Employee Retirement Income Security Act of 1974* (ERISA). Wells Fargo Bank, N.A. (Wells Fargo) is the trustee of the Plan.

Contributions

The Company has agreed to contribute such amounts as are necessary to provide assets sufficient to meet the benefits to be paid to Plan participants. The Company's present intention is to make contributions in amounts sufficient to annually fund the Plan's current service cost and the initial past-service costs plus interest on them over a period of seven years. The Plan has met the minimum funding requirements established by the federal government.

Pension Benefits

Monthly benefits under the Plan are based on the participant's years of credited service multiplied by a basic benefit rate ranging from \$55.70 to \$56.45 per year of credited service based on the participant's benefit class code, as defined in the Plan Document, pursuant to the collective bargaining agreement. Participants who have ceased active employment are entitled to annual pension benefits beginning at the first of the month following the date the participant turns age 65, and actually retires.

Allison Transmission Hourly-Rate Employees Pension Plan

Notes to Financial Statements September 30, 2019 and 2018

The Plan permits the following early retirement options: (1) an employee who has attained age 60 but not age 65, and who has 10 or more years of credited service (including service with GM), (2) an employee who has attained age 55 but not age 60, and whose combined years of age and years of credited service (including service with GM) total 85 or more, or (3) any employee who has 30 or more years of credited service (including service with GM). Total and Permanent Disability or Early Retirement participants may also be eligible for a Pension supplement (an Early Retirement Supplement or an Interim Supplement based upon the circumstances).

In addition, an employee who has attained age 55 but not age 65 (or is between ages 50 and 65, if the participant is laid off as a result of a plant closing where no other Allison plants are in the same geographical area), has 10 or more years of credited service (including service with GM), and is either disabled or laid off under certain special circumstances, may retire under mutually satisfactory conditions. In addition to unreduced Early Retirement benefits, such participants may receive a temporary monthly benefit in these circumstances. The monthly temporary benefit is calculated by multiplying the number of years of credited service by a rate ranging from \$50.80 to \$53.45. The maximum number of years of credited service is 30. The monthly temporary benefit is payable until the employee attains age 62 and one month or until the age at which the employee becomes or could have become eligible for a Federal Social Security Benefit for disability or an unreduced Federal Social Security Benefit because of age.

Several optional forms of benefit payments are available to participants including a life annuity, a joint and 65% survivor annuity, a joint and 75% survivor annuity, or a contingent annuity in 5% increments up to 100% of the participant's monthly basic benefit after redetermination at age 62 and one month, if applicable. Payments made in any form other than a life annuity are actuarially adjusted for the option selected.

Based on an agreement with GM, all hourly employees with unbroken seniority at the Company as of June 29, 2007 who were vested in the GM Plan as of that date and who retire from the Company after October 1, 2011, will be entitled to payment from the Plan. Lifetime retirement benefits for those who retire or return to GM on or before October 1, 2011 will be paid from the GM Plan. The Plan started making benefit payments in November 2011.

Death Benefits

Prior to eligibility for retirement, the spouse of a participant who has been married to the participant for at least one year will receive a 50% survivor annuity, as defined in the Plan, upon the death of the participant. After eligibility for retirement and provided the participant has been married for at least one year, the surviving spouse annuity is equal to 65% of the participant's monthly benefit.

Vesting

Upon the earlier of (1) the participant turning age 65, or (2) the participant's completion of five years of vesting service, a participant will be vested in his or her benefits under the Plan.

Allison Transmission Hourly-Rate Employees Pension Plan

Notes to Financial Statements September 30, 2019 and 2018

Plan Termination

In the event the Plan terminates, the net assets of the Plan will be allocated, as prescribed by ERISA and its related regulations, generally to provide the following benefits in the order indicated:

- a. Annuity benefits that former employees or their beneficiaries have been receiving for at least three years, or that employees eligible to retire for that three-year period would have been receiving if they had retired with benefits in the normal form of annuity under the Plan. The priority amount is limited to the lowest benefit that was payable (or would have been payable) during those three years. The amount is further limited to the lowest benefit that would be payable under plan provisions in effect at any time during the five years preceding plan termination.
- b. Other vested benefits insured by the Pension Benefit Guaranty Corporation (PBGC) up to the applicable limitations discussed below.
- c. Vested benefits not insured by the PBGC.
- d. All nonvested benefits.

Certain benefits under the Plan are insured by the PBGC if the Plan terminates. Generally, the PBGC guarantees most vested normal age retirement benefits, early retirement benefits and certain disability and survivor's pensions. However, the PBGC does not guarantee all types of benefits under the Plan, and the amount of benefit protection is subject to certain limitations. Vested benefits under the Plan are guaranteed at the level in effect on the date of the Plan's termination. However, there is a statutory ceiling, which is adjusted periodically, on the amount of an individual's monthly benefit that the PBGC guarantees.

Whether all participants receive their benefits should the Plan terminate at some future time will depend on the sufficiency, at that time, of the Plan's net assets to provide for accumulated benefit obligations and may also depend on the financial condition of the Plan Sponsor and the level of benefits guaranteed by the PBGC. Any residual assets of the Plan will be distributed to the Company if all liabilities of the Plan to its participants and beneficiaries have been satisfied and the distribution does not contravene any provision of law.

Subsequent Events

As a result of the spread of the COVID-19 coronavirus, there has been significant volatility in the investment markets both nationally and globally since the Plan's year end which may have impacted the value of certain investments held by the Plan. The duration of the impact from COVID-19 and the ultimate financial effects cannot be reasonably estimated at this time.

Subsequent events have been evaluated through July 9, 2020, which is the date the financial statements were available to be issued.

Allison Transmission Hourly-Rate Employees Pension Plan

Notes to Financial Statements September 30, 2019 and 2018

Note 2: Summary of Significant Accounting Policies

Method of Accounting

The accompanying financial statements are prepared on the accrual method of accounting.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of net assets and changes in net assets available for benefits, disclosure of contingent assets and liabilities and the actuarial present value of accumulated plan benefits at the date of the financial statements. Actual results could differ from those estimates.

Valuation of Investments and Income Recognition

The money market fund is reported at fair value, which approximates its cost basis. Bonds and notes are stated at fair value. Securities, such as common stocks and U.S. Government securities, traded on a national securities exchange are valued at the last reported sales price on the last business day of the Plan year. Corporate bonds and notes are valued on the basis of yields currently available on comparable securities of issuers with similar credit ratings. Mutual funds are valued at the net asset value (NAV) of shares held by the Plan at year end. The fair value of the Plan's interest in the collective trusts are valued based on information reported by the investment trust advisor at year-end. Purchases and sale of securities are recorded on a trade-date basis. Interest income is recorded on an accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation (depreciation) includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Payment of Benefits

Benefit payments to participants are recorded upon distribution.

Administrative Expenses

Administrative expenses may be paid by the employer or the Plan, at the employer's discretion.

Accumulated Plan Benefits

Accumulated plan benefits (see Statements of Accumulated Plan Benefits, Statements of Changes in Accumulated Plan Benefits and Note 4) are those estimated future periodic payments, including lump-sum distributions, which are attributable under the Plan's provisions to the service employees have rendered. Accumulated plan benefits include benefits expected to be paid to:

- a. Retired or terminated employees or their beneficiaries
- b. Present employees or their beneficiaries

Allison Transmission Hourly-Rate Employees Pension Plan

Notes to Financial Statements September 30, 2019 and 2018

Benefits under the Plan are based on employees' credited service. 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. Benefits to be provided via annuity contracts excluded from Plan assets are excluded from accumulated plan benefits.

Plan Tax Status

The Plan obtained its latest determination letter on June 23, 2014, in which the Internal Revenue Service (IRS) stated that the Plan and related trust, as then designed, were in compliance with the applicable requirements of the Internal Revenue Code and, therefore, not subject to tax. The Plan has been amended since receiving the determination letter. However, the Plan Administrator believes that the Plan and related trust are currently designed and being operated in compliance with the applicable requirements of the Internal Revenue Code.

Note 3: Certification of Plan Trustee

The Plan Administrator has elected the method of annual reporting compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Wells Fargo, the trustee of the Plan, has certified the following information included in the accompanying financial statements and supplemental schedules is complete and accurate:

- Investments and accrued interest income as shown in the statements of net assets available for benefits as of September 30, 2019 and 2018
- Investment income (loss) as shown in the statements of changes in net assets available for benefits for the years ended September 30, 2019 and 2018
- Investment information included in the accompanying schedule of assets (held at year end) as of September 30, 2019 and schedule of reportable transactions for the year ended September 30, 2019

The Plan's independent auditors did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the financial statements and supplemental schedules.

Note 4: Accumulated Plan Benefits

An actuary from Mercer determines the actuarial present value of accumulated plan benefits as of the beginning of the Plan year, which 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 date of payment.

Allison Transmission Hourly-Rate Employees Pension Plan

Notes to Financial Statements

September 30, 2019 and 2018

Significant assumptions underlying the actuarial computations are:

Assumed rate of return of investments	4.5 percent, compounded annually
Mortality basis	Mercer MRP-2006 Mortality Table for employees and annuitants with blue collar adjustment and projected generational mortality improvements according to MSS-2017 for healthy and disabled lives
Retirement age	Varies by age and service Age 65 for deferred vested participants Average age of retirees in pay status is age 66
Asset valuation	Market

Plan contributions and the actuarial present value of accumulated plan benefits are prepared based on certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimation and assumption process, it is at least reasonably possible that changes in these estimates and assumptions in the near term could be material to the Plan's financial statements. The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

Note 5: Disclosures About Fair Value of Assets

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value measurements must maximize the use of observable inputs and minimize the use of unobservable inputs. There is a hierarchy of three levels of inputs that may be used to measure fair value:

- Level 1** Quoted prices in active markets for identical assets or liabilities
- Level 2** Observable inputs other than Level 1 prices, such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities
- Level 3** Unobservable inputs supported by little or no market activity and are significant to the fair value of the assets or liabilities

Allison Transmission Hourly-Rate Employees Pension Plan

Notes to Financial Statements September 30, 2019 and 2018

Recurring Measurements

The following tables present the fair value measurements of assets recognized in the accompanying statements of net assets available for benefits measured at fair value on a recurring basis and the level within the fair value hierarchy in which the fair value measurements fall at September 30, 2019 and 2018:

2019				
Fair Value Measurements Using				
Fair Value	Quoted Prices			
	in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	
Money market fund	\$ 937,644	\$ 937,644	\$ -	\$ -
Pooled, common and collective fund	4,220,126	-	4,220,126	-
Bonds and notes	63,692,985	-	63,692,985	-
U.S. Governmental securities	26,428,766	6,503,824	19,924,942	-
Mutual funds	11,053,410	11,053,410	-	-
	<u>\$ 106,332,931</u>	<u>\$ 18,494,878</u>	<u>\$ 87,838,053</u>	<u>\$ -</u>

2018				
Fair Value Measurements Using				
Fair Value	Quoted Prices			
	in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	
Money market fund	\$ 1,718,132	\$ 1,718,132	\$ -	\$ -
Pooled, common and collective fund	4,047,901	-	4,047,901	-
Bonds and notes	57,448,461	-	57,448,461	-
U.S. Governmental securities	21,271,627	5,456,335	15,815,292	-
Mutual funds	10,652,864	10,652,864	-	-
	<u>\$ 95,138,985</u>	<u>\$ 17,827,331</u>	<u>\$ 77,311,654</u>	<u>\$ -</u>

Allison Transmission Hourly-Rate Employees Pension Plan

Notes to Financial Statements September 30, 2019 and 2018

Following is a description of the valuation methodologies and inputs used for assets measured at fair value on a recurring basis and recognized in the accompanying statements of net assets available for benefits, as well as the general classification of such assets pursuant to the valuation hierarchy. There have been no significant changes in the valuation techniques during the year ended September 30, 2019. The Plan had no liabilities measured at fair value on a recurring basis. In addition, the Plan had no assets or liabilities measured at fair value on a nonrecurring basis.

Investments

Where quoted market prices are available in an active market, securities are classified within Level 1 of the valuation hierarchy. Level 1 securities include a money market fund, certain U.S. Governmental securities and mutual funds. If quoted market prices are not available, then fair values are estimated by using quoted prices of securities with similar characteristics or independent asset pricing services and pricing models, the inputs of which are market-based or independently sourced market parameters, including, but not limited to, yield curves, interest rates, volatilities, prepayments, defaults, cumulative loss projections and cash flows. Such securities are classified in Level 2 of the valuation hierarchy. Level 2 securities include certain U.S. Governmental securities, corporate bonds and notes as well as a pooled, common and collective fund. In certain cases where Level 1 or Level 2 inputs are not available, securities are classified within Level 3 of the hierarchy. There are no Level 3 investments in the Plan.

Note 6: Party-in-Interest Transactions

Party-in-interest transactions include those with fiduciaries or employees of the Plan, any person who provides services to the Plan, an employer whose employees are covered by the Plan, an employee organization whose members are covered by the Plan, a person who owns 50 percent or more of such an employer or employee association, or relatives of such persons.

The Plan invests in various bonds and notes of the Plan trustee.

The Plan paid PBGC premiums totaling \$87,108 and \$80,937 during 2019 and 2018, respectively. The Plan paid \$71,182 and \$61,576 of administrative fees to the trustee during 2019 and 2018, respectively. The Plan paid \$210,592 and \$202,894 of investment management fees during 2019 and 2018, respectively. The Company provides certain administrative services at no cost to the Plan.

Note 7: 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 will occur in the near term and that such changes could materially affect the amounts reported in the statements of net assets available for benefits.

Supplementary Schedules

Allison Transmission Hourly-Rate Employees Pension Plan

EIN 26-0413897 PN 004

Schedule H, Line 4i - Schedule of Assets (Held at End of Year) September 30, 2019

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
Money Market Fund			
*Wells Fargo Advantage Treasury Plus Money Market Fund	937,644 shares	\$ 937,644	\$ 937,644
Pooled, Common and Collective Fund			
Northern Trust Investments, Inc.	400 shares	3,162,017	4,220,126
U.S. Governmental Securities			
U.S. Treasury Bond 11/15/2046	700,000 par value	281,631	384,041
U.S. Treasury Bond 05/15/2049	165,000 par value	191,770	192,438
U.S. Treasury Bond 02/15/2049	415,000 par value	451,713	494,809
U.S. Treasury Bond 11/15/2048	625,000 par value	668,731	796,362
U.S. Treasury Note 08/31/2026	290,000 par value	284,325	285,346
U.S. Treasury Note 07/31/2024	1,195,000 par value	1,214,185	1,205,552
U.S. Treasury Note 05/31/2024	340,000 par value	342,577	346,786
U.S. Treasury Note 03/31/2026	600,000 par value	595,252	623,436
U.S. Treasury Note 05/15/2029	200,000 par value	205,073	212,390
U.S. Treasury Note 02/15/2029	850,000 par value	851,573	919,963
U.S. Treasury Note 05/15/2028	950,000 par value	934,742	1,042,701
U.S. Treasury Bond/Note SEC Stripped Zero	3,735,000 par value	1,734,060	2,448,965
U.S. Treasury SEC Stripped 11/15/2037	2,600,000 par value	1,246,570	1,793,974
U.S. Treasury SEC Stripped 08/15/2047	3,800,000 par value	1,493,666	2,051,962
U.S. Treasury SEC Stripped Zero Cpn 11/15/2041	3,230,000 par value	1,399,364	2,004,990
U.S. Treasury SEC Stripped Zero Cpn 05/15/2046	1,620,000 par value	699,613	897,043
U.S. Treasury Bond Stripped Zero Cpn 11/15/2043	1,900,000 par value	734,046	1,116,991
U.S. Treasury Bond Stripped Zero Cpn 11/15/2044	2,000,000 par value	824,140	1,163,300
U.S. Treasury Bond Stripped Zero Cpn 11/15/2044	1,680,000 par value	653,744	963,279
U.S. Treasury Bond Stripped Zero Cpn 11/15/2045	2,510,000 par value	1,081,113	1,405,700
U.S. Treasury Bond Zero Cpn 11/15/2038	2,925,000 par value	1,348,396	1,966,243
U.S. Treasury Bond Zero Cpn 11/15/2040	3,450,000 par value	1,541,947	2,201,721
U.S. Treasury Bond Zero Cpn 11/15/2042	3,165,000 par value	1,325,150	1,910,774
		20,103,381	26,428,766
Bonds and Notes			
Abbvie Inc.	410,000 par value	417,404	420,537
Ace INA Holdings	265,000 par value	294,029	325,219
Alibaba Group Holding 11/28/2019	320,000 par value	323,824	320,054
Alibaba Group Holding 11/28/2024	410,000 par value	421,207	431,390
Allstate Corp.	395,000 par value	404,115	458,733
Amazon.com Inc.	235,000 par value	230,544	270,375
Ameren Illinois Co.	850,000 par value	841,935	923,304
America Movil SAB DE CV	505,000 par value	527,481	518,049
Ameriprise Financial, Inc.	255,000 par value	256,701	260,834
Amgen Inc.	150,000 par value	151,547	155,180
Anheuser-Busch INBEV FIN 01/23/25	380,000 par value	397,883	415,036
Anthem Inc.	390,000 par value	395,363	409,808
Apple, Inc. 02/09/2027	710,000 par value	719,595	759,075
Apple, Inc. 05/13/2045	740,000 par value	763,086	895,837
Apple, Inc. 09/12/2047	470,000 par value	467,316	524,642
AT&T, Inc. 05/15/2025	835,000 par value	801,089	871,197

Allison Transmission Hourly-Rate Employees Pension Plan

EIN 26-0413897 PN 004

Schedule H, Line 4i - Schedule of Assets (Held at End of Year) (Continued) September 30, 2019

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
Baker Hughes LLC/CO-OBL	445,000 par value	\$ 395,641	\$ 447,901
Banco Santander SA 04/12/2023	245,000 par value	242,592	255,312
Bank of America Corp.	867,000 par value	894,577	885,441
Berkshire Hathaway FIN	385,000 par value	400,649	453,649
Boeing Co.	380,000 par value	520,695	475,585
BP Capital Markets PLC 04/14/2024	225,000 par value	220,651	233,953
BP Capital Markets PLC 05/04/2026	400,000 par value	382,964	417,040
Burlington North Santa Fe 08/15/2031	265,000 par value	343,435	374,008
Burlington North Santa Fe 09/01/2043	325,000 par value	395,068	415,961
California ST 10/01/39	215,000 par value	295,735	336,509
Capital One Financial	400,000 par value	408,324	422,600
Charles Schwab Corp.	395,000 par value	394,735	425,881
CNOOC Finance 2013 LTD	650,000 par value	634,763	660,107
Comcast Corp. 01/15/2027	355,000 par value	334,843	353,495
Comcast Corp. 01/15/2033	567,000 par value	572,063	652,095
Comcast Corp. 10/15/2038	375,000 par value	388,478	447,975
Commonwealth Edison Co.	510,000 par value	461,417	550,045
Cons Edison Co. of NY	260,000 par value	260,400	303,896
Consumers Energy Co.	200,000 par value	198,582	201,420
CVS Health Corp	445,000 par value	446,842	447,207
Dow Dupont Inc.	345,000 par value	349,368	381,263
Duke Energy Carolinas	375,000 par value	368,498	388,526
Duke Energy Indiana LLC	360,000 par value	365,490	386,759
El Paso Pipeline Part Op	579,000 par value	610,341	605,565
Entergy Louisiana LLC	350,000 par value	356,720	399,536
EQT Corp.	405,000 par value	390,886	389,873
Exxon Mobil Corporate	365,000 par value	367,566	367,336
Florida Power & Light Co. 06/01/2024	240,000 par value	243,552	251,950
Florida Power & Light Co. 02/01/2041	365,000 par value	453,162	478,212
Ford Motor Credit Co. LLC 11/02/2020	530,000 par value	516,718	526,894
Ford Motor Credit Co. LLC 09/08/2024	480,000 par value	460,549	472,776
Franklin Resources, Inc.	220,000 par value	217,743	224,598
Georgia Power Company	445,000 par value	469,755	489,202
Gilead Sciences, Inc.	335,000 par value	339,221	374,694
Goldman Sachs Group, Inc. 01/24/2022	695,000 par value	772,143	748,786
Home Depot, Inc. 12/06/2048	370,000 par value	386,310	462,123
Intel Corp.07/29/2025	190,000 par value	189,717	205,882
Intel Corp.12/08/2047	815,000 par value	807,316	908,880
John Deere Capital Corp. 06/10/2026	130,000 par value	130,705	133,840
John Deere Capital Corp. 07/18/2029	360,000 par value	370,103	369,637
Johnson & Johnson 12/05/2033	225,000 par value	245,862	267,413
Johnson & Johnson 01/15/2048	415,000 par value	419,104	456,425
JPMorgan Chase & Co. 09/23/2022	455,000 par value	453,671	470,288
JPMorgan Chase & Co. 07/15/2025	700,000 par value	725,900	754,719
JPMorgan Chase & Co. 07/24/2038	630,000 par value	579,858	696,056
Keycorp	325,000 par value	360,786	338,566
Kimberly-Clark Corp.	245,000 par value	249,092	281,669
Kimco Realty Corp.	355,000 par value	350,942	356,967
Loews Corp.	480,000 par value	498,945	513,864
Lowe's Companies, Inc. 05/03/2027	365,000 par value	363,164	376,760

Allison Transmission Hourly-Rate Employees Pension Plan

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Schedule H, Line 4i - Schedule of Assets (Held at End of Year) (Continued) September 30, 2019

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
Manuf & Traders Trust Co.	345,000 par value	\$ 348,504	\$ 370,071
Marathon Petroleum	400,000 par value	428,772	433,888
MasterCard, Inc.	575,000 par value	608,768	651,320
Medtronic, Inc.	301,000 par value	330,993	362,235
Microsoft Corp. 11/03/2025	455,000 par value	481,385	483,792
Microsoft Corp. 02/06/2047	720,000 par value	782,730	893,246
MidAmerican Energy Co. 10/15/2024	500,000 par value	513,640	531,955
MidAmerican Energy Co. 09/15/2043	355,000 par value	384,631	444,794
Mizuho Financial 07/16/2023	270,000 par value	271,320	272,249
Morgan Stanley 05/19/2022	85,000 par value	84,484	86,234
National Rural Utility Coop	665,000 par value	665,000	694,905
Omnicom Group, Inc.	580,000 par value	584,557	600,921
Oracle Corp.	360,000 par value	452,866	515,347
PacifiCorp	305,000 par value	391,330	429,071
PepsiCo, Inc.	400,000 par value	446,972	498,312
Pfizer Inc.	390,000 par value	398,623	450,185
PNC Bank NA	400,000 par value	401,472	441,420
PPL Capital Funding	420,000 par value	437,758	438,946
PPL Electric Utilities	355,000 par value	389,534	439,628
Public Service Electric	775,000 par value	775,744	847,997
Qualcomm, Inc.	505,000 par value	506,520	527,321
Raytheon Company	180,000 par value	211,100	226,967
Regency Energy Part/Fin	505,000 par value	522,170	534,719
Shell International Fin	260,000 par value	253,133	264,222
Shire Acq Inv Ireland DA	450,000 par value	443,914	452,084
Simon Property Group LP	365,000 par value	366,756	385,279
Southern Cal Edison 10/01/2043	370,000 par value	390,801	426,381
Southern Cal Edison 04/01/2047	195,000 par value	195,334	209,122
Southwestern Public Serv 11/15/2048	335,000 par value	332,839	400,516
Southwestern Public Serv 08/15/2041	440,000 par value	451,079	517,805
Spectra Energy Partners	385,000 par value	406,506	419,407
Statoil ASA	350,000 par value	337,793	399,497
Stryker Corp.	230,000 par value	249,348	231,392
Toronto-Dominion Bank	415,000 par value	414,436	437,626
Union Electric Co.	200,000 par value	189,032	207,424
Union Pacific Corp.	400,000 par value	399,984	430,792
United Parcel Service 11/15/2047	440,000 par value	407,348	469,238
UnitedHealth Group, Inc.	185,000 par value	184,978	223,571
University Calif Rev	205,000 par value	257,194	284,880
Ventas Realty LP	100,000 par value	101,713	102,542
Verizon Communications	499,000 par value	494,369	554,554
Visa, Inc.	230,000 par value	230,078	245,150
Wal-Mart Stores, Inc.	335,000 par value	321,979	376,312
*Wells Fargo & Company 02/13/2023	455,000 par value	451,415	469,883
*Wells Fargo & Company 03/08/2022	845,000 par value	865,857	871,930
*Wells Fargo & Company 07/22/2027	250,000 par value	265,595	273,905
*Wells Fargo & Company 02/07/2035	375,000 par value	417,473	479,666
Welltower Inc.	345,000 par value	348,326	362,216
Westar Energy, Inc.	330,000 par value	337,844	345,012
American Express Co 2/22/2024	80,000 par value	79,909	83,667

Allison Transmission Hourly-Rate Employees Pension Plan

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Schedule H, Line 4i - Schedule of Assets (Held at End of Year) (Continued)

September 30, 2019

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
AmeriCredit Automobile Receiva 07/18/2023	455,000 par value	\$ 456,991	\$ 460,264
Chrysler Capital Auto Receivable	390,000 par value	389,931	396,182
Sierra Receivables Funding Co.	93,593 par value	93,583	93,283
Credit Suisse Mortgage Trust	230,000 par value	225,968	229,101
Citigroup, Inc.	800,000 par value	784,611	814,576
Csail Commercial Mortgage Trust	400,000 par value	411,125	421,512
Fed Home Ln Mortgage Corp.	250,000 par value	240,986	258,395
Finance Amer Stru 09/25/2069	400,000 par value	404,480	404,480
Govt Natl Mtg Assn 11/16/2060	377,758 par value	348,600	382,269
Govt Natl Mtg Assn 06/16/2057	180,000 par value	150,768	178,013
Govt Natl Mtg Assn 04/17/2050	200,000 par value	175,430	196,896
Govt Natl Mtg Assn 12/16/2056	280,000 par value	258,617	276,853
Govt Natl Mtg Assn 03/16/2052	266,537 par value	254,960	266,652
Govt Natl Mtg Assn 01/16/2049	378,545 par value	363,094	381,351
GS Mortgage Securit 09/01/2052	360,000 par value	370,797	375,289
Hertz Vehicle Financ 07/15/2022	320,000 par value	311,300	321,130
JPMorgan Chase Commercial Mor 10/06/2038	460,000 par value	469,434	474,347
JPMorgan Chase Commercial Mor 08/27/2047	430,000 par value	381,558	420,974
JPMorgan Chase Commercial Mor 09/15/2050	240,000 par value	233,240	248,225
Morgan Stanley 04/24/2024	720,000 par value	716,738	751,939
Sfave Commercial Mortgage Secu	410,000 par value	398,853	432,374
*Wells Fargo Commercial Mortgage 12/15/2059	95,000 par value	96,817	104,606
Aviation Capital Group	400,000 par value	401,348	413,644
Boston Gas Company	430,000 par value	439,649	442,904
Electricite De France Sa	165,000 par value	176,908	194,591
Enel Finance Intl NV	340,000 par value	335,791	348,146
Hyundai Capital Amera	410,000 par value	407,820	411,948
Met Life Glob Funding I 01/10/2023	395,000 par value	388,539	406,115
Met Life Glob Funding I 06/17/2029	410,000 par value	410,599	429,176
NXP BV/NXP Fund I	110,000 par value	111,120	112,863
Oncor Electric	415,000 par value	412,510	465,277
Roche Holding, Inc.	450,000 par value	478,962	476,960
Siemens Financiering mat	820,000 par value	842,885	870,898
Sprint Spectrum/Spec I	332,500 par value	335,228	333,747
		<u>59,911,906</u>	<u>63,692,985</u>
Mutual Funds			
Blackstone Alternative	189,514 shares	1,974,311	2,054,333
DFA Emerging Markets Core Equity	40,376 shares	760,411	799,451
Eaton Vance Atlanta Capital Smid-Cap	91,022 shares	2,550,303	3,543,473
Hartford International Opportunities	164,712 shares	2,649,372	2,643,628
PIMCO Commodity Real Return	141,463 shares	1,083,457	800,682
Principal Investors Real Estate	43,249 shares	955,732	1,211,843
		<u>9,973,586</u>	<u>11,053,410</u>
		<u>\$ 94,088,534</u>	<u>\$ 106,332,931</u>

* Parties-in-interest

Allison Transmission Hourly-Rate Employees Pension Plan

EIN 26-0413897 PN 004

Schedule H, Line 4j - Schedule of Reportable Transactions Year Ended September 30, 2019

Identity	Description	Purchase Price	Selling Price	Lease Rental	Expenses Incurred With Transaction	Cost of Asset	Current Value of Asset on Transaction Date	Net Gain (Loss)
Issuer	Wells Fargo Advantage Treasury Plus Money Market Fund							
	Purchases	\$ 17,695,368				\$ 17,695,368	\$ 17,695,368	
	Sales		\$ 18,475,856			18,475,856	18,475,856	\$ -

Schedule SB, line 26 — Schedule of Active Participant Data

ATTAINED AGE	YEARS OF CREDITED SERVICE										
	UNDER 1	1–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40 & UP	TOTAL
Under 25											0
25–29											0
30–34				10							10
35–39				14	3						17
40–44				10	10	2					22
45–49				17	23	8					48
50–54				10	10	7	3				30
55–59				3	13	9	7	4	18	42	96
60–64				1	13	2	6	12	51	172	257
65–69				1	2	1	2	4	22	91	123
70 & up							2	1	7	22	32
Total	0	0	0	66	74	29	20	21	98	327	635

In each cell, the number is the count of active participants for each age/service combination.

*Schedule SB, Part V — Statement of Actuarial Assumptions/Methods***ACTUARIAL ASSUMPTIONS FOR OCTOBER 1, 2018 FUNDING VALUATION**

	10/01/2018	10/01/2018	
Discount rate sponsor elections			
• Segment rates or full yield curve	Segment rates	Segment rates	
• Look-back months	0	0	
	<u>Stabilized</u>	<u>Nonstabilized rates</u>	
• First 5 years	3.92%	2.35%	
• Next 15 years	5.52%	3.85%	
• Over 20 years	6.29%	4.47%	
	Rationale: Interest rate prescribed by IRS		
Mortality sponsor elections			
• Healthy participants	Section 430(h)(3) prescribed separate generational annuitant and nonannuitant mortality tables. These tables are based on the RP-2014 mortality tables backed off to 2006 and then projected with mortality improvements using scale MP-2016 in accordance with IRS regulation.		
• Disabilities participants	Section 430(h)(3) prescribed separate generational annuitant and nonannuitant mortality tables. These tables are based on the RP-2014 mortality tables backed off to 2006 and then projected with mortality improvements using scale MP-2016 in accordance with IRS regulation. Rationale: Mortality prescribed by IRS		
Other economic assumptions			
• Flat-dollar benefit increases	None assumed		
• Inflation	Not applicable		
• Expenses	\$350,000 added to current year normal cost Rationale: Expenses are assumed to be equal to the prior Plan Year administration expenses (excluding PBGC premiums) plus expected PBGC Premiums for the current Plan Year rounded to the nearest \$10,000		
• Late retirement increases	Active participants over age 70 and deferred vested participants over age 65 receive late retirement increases based on Actuarial Value		
• Actuarial value	Based on applicable 417(e) mortality and interest rates for the current plan year		

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

**DEMOGRAPHIC
ASSUMPTIONS**

• Withdrawal	ATI ultimate rates for hourly employees. See table of sample rates. Rationale: Based on 2019 ATI experience study using data from 2015 through 2018 and the expectation that this period will be representative of anticipated future experience		
• Disability incidence	None assumed		
• Retirement age	ATI retirement rates for hourly employees. See tables of sample rates. Rationale: Based on 2019 ATI experience study using data from 2015 through 2017 and the expectation that this period will be representative of anticipated future experience. A select adjustment is applied for 2019-2021 due to expected retirements under the Special Attrition Program (SAP).		
• Benefit commencement age for			
– Future vested deferred	65		
– Current vested deferred	65		
• Spouse assumptions	<u>Male participants</u>	<u>Female participants</u>	
– Percentage married	80%	55%	
– Spouse age difference	2 years younger	4 years older	
Form of payment	<u>Single life</u>	<u>65% J&S</u>	<u>50% J&S</u>
• Active retirements	100% of unmarried	100% of married	N/A
• Future vested deferred	100%	0%	N/A
• Future disabilities	N/A	N/A	N/A
• Future deaths	N/A	100% of married retirement eligible	100% of married not retirement eligible
• Current vested	100%	0%	N/A
	Rationale: Based on ATI experience		
Unpredictable contingent event assumptions	Not applicable		

*Schedule SB, Part V — Statement of Actuarial Assumptions/Methods***Table of Sample Rates**

Attained Age	Withdrawal Rates
25	5.00%
30	5.00%
35	4.00%
40	3.50%
45	3.00%
50	2.50%
55	2.00%

Attained Age	Retirement ¹	
	2019 - 2021	2022+
50	10.00%	5.00%
51	10.00%	5.00%
52	10.00%	5.00%
53	10.00%	5.00%
54	10.00%	5.00%
55	10.00%	5.00%
56	10.00%	5.00%
57	10.00%	5.00%
58	10.00%	5.00%
59	10.00%	5.00%
60	10.00%	5.00%
61	10.00%	5.00%
62	20.00%	10.00%
63	20.00%	10.00%
64	20.00%	10.00%
65	20.00%	10.00%
66	20.00%	10.00%
67	20.00%	10.00%
68	20.00%	10.00%
69	20.00%	10.00%
70+	100.00%	100.00%

¹ “2019” refers to the 10/1/2018 – 9/30/2019 plan year

*Schedule SB, Part V — Statement of Actuarial Assumptions/Methods***ACTUARIAL METHODS****Participant Methods**

Participants or former participants are included or excluded from the valuation as described below:

- **Participants included:** The plan sponsor provides us with data on all participants as of the valuation date.
- **Participants excluded:** No actuarial liability is included for nonvested participants who terminated prior to the valuation date. For this purpose, participants with a break in service on the valuation date are treated as terminated participants.
- **Insurance contracts:** The plan does not have any insurance contracts.

Minimum Funding Methods

The funding target for minimum funding calculations is computed using the traditional unit credit method of funding. The objective under this method is to fund each participant's benefits under the plan as they accrue. Thus, the total pension to which each participant is expected to become entitled at retirement is broken down into units, each associated with a year of past or future credited service.

A detailed description of the calculation follows:

- The plan's valuation date is the beginning of the plan year.
- An individual's funding target is the present value of future benefits based on credited service and average pay as of the beginning of the plan year, and an individual's **target normal cost** is the present value of the benefit expected to accrue in the plan year. If multiple decrements are used, the funding target and the target normal cost for an individual are the sum of the component funding targets and target normal costs associated with the various anticipated separation dates.
- The plan's target normal cost is the sum of the individual target normal costs, and the plan's funding target is the sum of the individual funding targets for all participants under the plan.

Asset Methods

The asset valuation method is the fair market value, plus any discounted receivable contributions.



Allison Transmission Hourly-Rate Employees Pension Plan (EIN/PN: 26-0413897/004)
 Attachments to Schedule H (2018 Form 5500)
 Schedule H, Line 4j - Schedule of Reportable Transactions

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REPORTABLE TRANSACTIONS - SINGLE / BY ISSUE
FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

**ALLISON HOURLY CONSOLIDATED
ACCOUNT NUMBER 22831199**

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
	BEGINNING MARKET VALUE		95,715,090.85				
	COMPARATIVE VALUE (5%)		4,785,754.54				

*** NO TRANSACTIONS QUALIFIED ***

REPORTABLE TRANSACTIONS - SERIES / BY BROKER
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
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BEGINNING MARKET VALUE	95,715,090.85
COMPARATIVE VALUE (5%)	4,785,754.54

BROKER: CREDIT SUISSE SECURITIES (USA)

22831106	ISSUE: 912810SD1 - US TREASURY BOND 3% 8/15/48 01/04/19 S	400,000	1.004	0	401,609	380,679	20,930
22831106	ISSUE: 9128284N7 - US TREASURY NOTE 2.875% 5/15/28 01/15/19 S	1,400,000	1.014	0	1,419,633	1,377,515	42,118
22831106	ISSUE: 9128283W8 - US TREASURY NOTE 2.75% 2/15/28 01/15/19 S	125,000	1.004	0	125,547	121,333	4,214
22831106	ISSUE: 9128285M8 - US TREASURY NOTE 3.125% 11/15/28 01/15/19 S	105,000	1.036	0	108,732	108,838	-105
22831106	ISSUE: 9128284V9 - US TREASURY NOTE 2.875% 8/15/28 01/15/19 S	70,000	1.014	0	70,984	68,959	2,026
22831106	ISSUE: 912810SA7 - US TREASURY BOND 3% 2/15/48 02/06/19 S	260,000	0.991	0	257,745	251,094	6,651
22831106	ISSUE: 126650CX6 - CVS HEALTH CORP 4.3% 3/25/28 02/15/19 S	230,000	1.008	0	231,806	225,885	5,920
22831106	ISSUE: 9128286B1 - US TREASURY NOTE 2.625% 2/15/29 02/15/19 B	195,000	0.996	0	194,177-	194,177	
22831106	ISSUE: 025816CC1 - AMERICAN EXPRESS CO 3.4% 2/22/24 02/19/19 B	80,000	0.999	0	79,909-	79,909	
22831106	ISSUE: 9128285G1 - US TREASURY NOTE 2.875% 10/31/20 02/20/19 S	245,000	1.006	0	246,378	246,818	-440
22831106	ISSUE: 911312AY2 - UNITED PARCEL SERVIC 2.4% 11/15/26 02/28/19 S	200,000	0.938	0	187,588	189,540	-1,952
22831106	ISSUE: 9128286B1 - US TREASURY NOTE 2.625% 2/15/29 03/18/19 B	85,000	1.002	0	85,199-	85,199	
22831106	ISSUE: 654106AF0 - NIKE INC 2.375% 11/01/26 03/18/19 S	115,000	0.955	0	109,850	109,380	470
22831106	ISSUE: 38141GGS7 - GOLDMAN SACHS GROUP 5.75% 1/24/22 04/01/19 B	300,000	1.072	0	321,645-	321,645	
22831106	ISSUE: 9128284N7 - US TREASURY NOTE 2.875% 5/15/28 04/30/19 S	50,000	1.032	0	51,578	49,197	2,381
22831106	ISSUE: 882508BD5 - TEXAS INSTRUMENTS IN 4.15% 5/15/48 07/23/19 S	170,000	1.143	0	194,398	170,223	24,176
22831106	ISSUE: 912810SF6 - US TREASURY BOND 3% 2/15/49 07/23/19 B	155,000	1.080	0	167,400-	167,400	
22831106	ISSUE: 882508BD5 - TEXAS INSTRUMENTS IN 4.15% 5/15/48 07/25/19 S	110,000	1.144	0	125,806	110,144	15,662

REPORTABLE TRANSACTIONS - SERIES / BY BROKER FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019					ALLISON HOURLY CONSOLIDATED ACCOUNT NUMBER 22831199		
TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
22831106	ISSUE: 912810SF6 - US TREASURY BOND 3% 2/15/49 07/25/19 B	105,000	1.080	0	113,416-	113,416	
22831106	ISSUE: 594918CA0 - MICROSOFT CORP 4.25% 2/06/47 08/06/19 B	75,000	1.211	0	90,804-	90,804	
22831106	ISSUE: 9128286X3 - US TREASURY NOTE 2.125% 5/31/26 08/14/19 S	120,000	1.038	0	124,594	120,970	3,623
22831106	ISSUE: 912828Y87 - US TREASURY NOTE 1.75% 7/31/24 08/16/19 B	1,600,000	1.016	0	1,625,687-	1,625,687	
22831106	ISSUE: 9128286T2 - US TREASURY NOTE 2.375% 5/15/29 08/19/19 S	190,000	1.070	0	203,241	194,820	8,421
SUB-TOTAL				0	6,537,726	6,403,632	134,096
BROKER: CITIGROUP GBL MKTS/SALOMON BRO							
22831106	ISSUE: 38380MWS6 - GOVT NATL MTG ASSN 3% 11/16/60 11/02/18 B	480,000	0.923	0	442,950-	442,950	
22831106	ISSUE: 694308GE1 - PACIFIC GAS & ELECTR 6.05% 3/01/34 11/15/18 S	80,000	0.918	0	73,400	103,526	-30,126
22831106	ISSUE: 26078JAC4 - DOWDUPONT INC 4.493% 11/15/25 11/29/18 B	115,000	1.010	0	116,097-	116,097	
22831106	ISSUE: 912810SD1 - US TREASURY BOND 3% 8/15/48 12/04/18 B	205,000	0.960	0	196,864-	196,864	
22831106	ISSUE: 209111FG3 - CONSOLIDATED EDISON 4.5% 12/01/45 12/04/18 S	205,000	0.993	0	203,479	218,956	-15,478
22831106	ISSUE: 44891AAD9 - P/P HYUNDAI CAPITAL 3% 10/30/20 12/10/18 B	155,000	0.984	0	152,560-	152,560	
22831106	ISSUE: 9128285M8 - US TREASURY NOTE 3.125% 11/15/28 01/11/19 B	70,000	1.037	0	72,609-	72,609	
22831106	ISSUE: 20030NCL3 - COMCAST CORP 4.6% 10/15/38 02/06/19 B	375,000	1.036	0	388,478-	388,478	
22831106	ISSUE: 369604BH5 - GENERAL ELECTRIC CO 4.5% 3/11/44 02/25/19 S	120,000	0.893	0	107,185	130,465	-23,280
22831106	ISSUE: 912810SE9 - US TREASURY BOND 3.375% 11/15/48 02/25/19 B	75,000	1.069	0	80,156-	80,156	
22831106	ISSUE: 9128286B1 - US TREASURY NOTE 2.625% 2/15/29 03/29/19 B	110,000	1.017	0	111,908-	111,908	
22831106	ISSUE: 654106AF0 - NIKE INC 2.375% 11/01/26 03/29/19 S	150,000	0.965	0	144,714	142,670	2,045
22831106	ISSUE: 12189LAP6 - BURLINGTN NORTH SANT 5.15% 9/01/43 05/10/19 B	85,000	1.170	0	99,434-	99,434	
22831106	ISSUE: 02361DAR1 - AMEREN ILLINOIS CO 3.7% 12/01/47 05/14/19 B	495,000	0.979	0	484,471-	484,471	
22831106	ISSUE: 38380MWS6 - GOVT NATL MTG ASSN 3% 11/16/60 05/22/19 S	99,648	0.965	0	96,153	91,957	4,196

REPORTABLE TRANSACTIONS - SERIES / BY BROKER
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
22831106	ISSUE: 912810SF6 - US TREASURY BOND 3% 2/15/49 06/27/19 B	165,000	1.097	0	181,010-	181,010	
22831106	ISSUE: 548661DN4 - LOWE'S COS INC 3.7% 4/15/46 06/27/19 S	230,000	0.935	0	215,045	222,711	-7,666
22831106	ISSUE: 9128286T2 - US TREASURY NOTE 2.375% 5/15/29 07/10/19 B	320,000	1.027	0	328,750-	328,750	
22831106	ISSUE: 17275RBL5 - CISCO SYSTEMS INC 2.5% 9/20/26 07/10/19 S	450,000	1.006	0	452,687	444,002	8,685
22831106	ISSUE: 9128286T2 - US TREASURY NOTE 2.375% 5/15/29 07/16/19 B	450,000	1.022	0	459,984-	459,984	
22831106	ISSUE: 404201AA5 - HSBC BK USA N A GLOB 5.875% 11/01/34 07/16/19 S	300,000	1.257	0	377,088	353,460	23,628
22831106	ISSUE: 49446RAP4 - KIMCO REALTY CORP 2.8% 10/01/26 07/31/19 B	355,000	0.989	0	350,942-	350,942	
22831106	ISSUE: 57636QAL8 - MASTERCARD INC 3.65% 6/01/49 08/06/19 B	110,000	1.109	0	121,999-	121,999	
22831106	ISSUE: 57636QAL8 - MASTERCARD INC 3.65% 6/01/49 08/07/19 B	115,000	1.125	0	129,335-	129,335	
22831106	ISSUE: 912828YD6 - US TREASURY NOTE 1.375% 8/31/26 09/10/19 B	290,000	0.980	0	284,325-	284,325	
22831106	ISSUE: 9128286B1 - US TREASURY NOTE 2.625% 2/15/29 09/16/19 S	370,000	1.068	0	395,062	370,685	24,377
22831106	ISSUE: 912828Y87 - US TREASURY NOTE 1.75% 7/31/24 09/20/19 S	405,000	1.004	0	406,740	411,502	-4,762
SUB-TOTAL				0	6,473,425	6,491,806	-18,381
GRAND TOTAL				0	13,011,151	12,895,438	115,715

FOOTNOTES

* = SINGLE TRANSACTION IS 5% REPORTABLE
 B = BUY TRANSACTION
 S = SELL TRANSACTION
 R = REINVESTMENT TRANSACTION

REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
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BEGINNING MARKET VALUE	95,715,090.85
COMPARATIVE VALUE (5%)	4,785,754.54

ISSUE: VP7000061 - WF TREAS PLUS MM FD-INST #793

22831100	11/05/18 B	146	1.000	0	146-	146	
22831100	11/13/18 B	224	1.000	0	224-	224	
22831100	11/30/18 B	18	1.000	0	18-	18	
22831100	12/03/18 B	341	1.000	0	341-	341	
22831100	12/04/18 B	100	1.000	0	100-	100	
22831100	12/31/18 B	35	1.000	0	35-	35	
22831100	01/17/19 B	1,760,000	1.000	0	1,760,000-	1,760,000	
22831100	02/01/19 B	574	1.000	0	574-	574	
22831100	02/25/19 B	374	1.000	0	374-	374	
22831100	02/28/19 B	19	1.000	0	19-	19	
22831100	03/01/19 B	437	1.000	0	437-	437	
22831100	03/06/19 B	374	1.000	0	374-	374	
22831100	03/11/19 B	10	1.000	0	10-	10	
22831100	03/19/19 B	31	1.000	0	31-	31	
22831100	04/04/19 B	35	1.000	0	35-	35	
22831100	04/15/19 B	700,000	1.000	0	700,000-	700,000	
22831100	05/07/19 B	349	1.000	0	349-	349	
22831100	07/23/19 B	1,376	1.000	0	1,376-	1,376	
22831100	08/07/19 B	528	1.000	0	528-	528	
22831100	08/26/19 B	1,802	1.000	0	1,802-	1,802	
22831100	09/04/19 B	540	1.000	0	540-	540	
22831104	10/01/18 B	0	1.000	0	0-	0	
22831104	11/01/18 B	0	1.000	0	0-	0	
22831104	12/03/18 B	0	1.000	0	0-	0	
22831104	01/02/19 B	0	1.000	0	0-	0	
22831104	02/01/19 B	0	1.000	0	0-	0	
22831104	03/01/19 B	0	1.000	0	0-	0	
22831104	04/01/19 B	0	1.000	0	0-	0	
22831104	05/01/19 B	0	1.000	0	0-	0	
22831104	06/03/19 B	0	1.000	0	0-	0	
22831104	07/01/19 B	0	1.000	0	0-	0	
22831104	08/01/19 B	0	1.000	0	0-	0	
22831104	09/03/19 B	0	1.000	0	0-	0	
22831106	10/01/18 B	61,046	1.000	0	61,046-	61,046	
22831106	10/03/18 B	400	1.000	0	400-	400	
22831106	10/04/18 B	318,646	1.000	0	318,646-	318,646	
22831106	10/05/18 B	1,499	1.000	0	1,499-	1,499	

REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
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22831106	10/09/18 B	1,094	1.000	0	1,094-	1,094	
22831106	10/10/18 B	5,950	1.000	0	5,950-	5,950	
22831106	10/15/18 B	52,456	1.000	0	52,456-	52,456	
22831106	10/16/18 B	20,736	1.000	0	20,736-	20,736	
22831106	10/17/18 B	838	1.000	0	838-	838	
22831106	10/17/18 B	4,393	1.000	0	4,393-	4,393	
22831106	10/18/18 B	2,260	1.000	0	2,260-	2,260	
22831106	10/19/18 B	45,485	1.000	0	45,485-	45,485	
22831106	10/22/18 B	35	1.000	0	35-	35	
22831106	10/24/18 B	13,453	1.000	0	13,453-	13,453	
22831106	10/25/18 B	15,282	1.000	0	15,282-	15,282	
22831106	10/30/18 B	3,825	1.000	0	3,825-	3,825	
22831106	10/31/18 B	1,135	1.000	0	1,135-	1,135	
22831106	11/01/18 B	57,944	1.000	0	57,944-	57,944	
22831106	11/02/18 B	6,209	1.000	0	6,209-	6,209	
22831106	11/05/18 B	949	1.000	0	949-	949	
22831106	11/06/18 B	10,158	1.000	0	10,158-	10,158	
22831106	11/07/18 B	1,549	1.000	0	1,549-	1,549	
22831106	11/08/18 B	1,131	1.000	0	1,131-	1,131	
22831106	11/09/18 B	60,174	1.000	0	60,174-	60,174	
22831106	11/13/18 B	19,813	1.000	0	19,813-	19,813	
22831106	11/14/18 B	920	1.000	0	920-	920	
22831106	11/15/18 B	93,806	1.000	0	93,806-	93,806	
22831106	11/16/18 B	83,932	1.000	0	83,932-	83,932	
22831106	11/16/18 B	838	1.000	0	838-	838	
22831106	11/19/18 B	1,239	1.000	0	1,239-	1,239	
22831106	11/19/18 B	1,417	1.000	0	1,417-	1,417	
22831106	11/20/18 B	32,443	1.000	0	32,443-	32,443	
22831106	11/21/18 B	299,108	1.000	0	299,108-	299,108	
22831106	11/26/18 B	6,021	1.000	0	6,021-	6,021	
22831106	11/29/18 B	11,380	1.000	0	11,380-	11,380	
22831106	12/06/18 B	233,767	1.000	0	233,767-	233,767	
22831106	12/07/18 B	1,499	1.000	0	1,499-	1,499	
22831106	12/07/18 B	1,094	1.000	0	1,094-	1,094	
22831106	12/10/18 B	9,326	1.000	0	9,326-	9,326	
22831106	12/12/18 B	146,835	1.000	0	146,835-	146,835	
22831106	12/13/18 B	1,446	1.000	0	1,446-	1,446	
22831106	12/14/18 B	3,623	1.000	0	3,623-	3,623	
22831106	12/17/18 B	62,116	1.000	0	62,116-	62,116	
22831106	12/17/18 B	2,207	1.000	0	2,207-	2,207	
22831106	12/18/18 B	4,460	1.000	0	4,460-	4,460	
22831106	12/18/18 B	117,444	1.000	0	117,444-	117,444	
22831106	12/19/18 B	191,553	1.000	0	191,553-	191,553	
22831106	12/20/18 B	28,833	1.000	0	28,833-	28,833	
22831106	12/20/18 B	31,563	1.000	0	31,563-	31,563	
22831106	12/24/18 B	12,525	1.000	0	12,525-	12,525	

**REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019**

**ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199**

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
22831106	12/26/18 B	5,847	1.000	0	5,847-	5,847	
22831106	12/31/18 B	95	1.000	0	95-	95	
22831106	01/02/19 B	823	1.000	0	823-	823	
22831106	01/04/19 B	244,597	1.000	0	244,597-	244,597	
22831106	01/08/19 B	406,370	1.000	0	406,370-	406,370	
22831106	01/09/19 B	28,972	1.000	0	28,972-	28,972	
22831106	01/10/19 B	5,925	1.000	0	5,925-	5,925	
22831106	01/14/19 B	125,126	1.000	0	125,126-	125,126	
22831106	01/15/19 B	62,891	1.000	0	62,891-	62,891	
22831106	01/16/19 B	8,386	1.000	0	8,386-	8,386	
22831106	01/16/19 B	1,734,633	1.000	0	1,734,633-	1,734,633	
22831106	01/17/19 B	7,891	1.000	0	7,891-	7,891	
22831106	01/18/19 B	5,262	1.000	0	5,262-	5,262	
22831106	01/22/19 B	6,430	1.000	0	6,430-	6,430	
22831106	01/22/19 B	4,862	1.000	0	4,862-	4,862	
22831106	01/23/19 B	7,263	1.000	0	7,263-	7,263	
22831106	01/24/19 B	368,667	1.000	0	368,667-	368,667	
22831106	01/25/19 B	18,415	1.000	0	18,415-	18,415	
22831106	01/28/19 B	8,100	1.000	0	8,100-	8,100	
22831106	01/29/19 B	119,862	1.000	0	119,862-	119,862	
22831106	01/30/19 B	124,906	1.000	0	124,906-	124,906	
22831106	02/01/19 B	77,681	1.000	0	77,681-	77,681	
22831106	02/04/19 B	69,442	1.000	0	69,442-	69,442	
22831106	02/06/19 B	13,706	1.000	0	13,706-	13,706	
22831106	02/07/19 B	11,577	1.000	0	11,577-	11,577	
22831106	02/08/19 B	1,094	1.000	0	1,094-	1,094	
22831106	02/11/19 B	295,310	1.000	0	295,310-	295,310	
22831106	02/11/19 B	441,779	1.000	0	441,779-	441,779	
22831106	02/14/19 B	179,370	1.000	0	179,370-	179,370	
22831106	02/19/19 B	23,744	1.000	0	23,744-	23,744	
22831106	02/19/19 B	752	1.000	0	752-	752	
22831106	02/20/19 B	45,632	1.000	0	45,632-	45,632	
22831106	02/22/19 B	86,636	1.000	0	86,636-	86,636	
22831106	02/25/19 B	707	1.000	0	707-	707	
22831106	02/25/19 B	5,847	1.000	0	5,847-	5,847	
22831106	02/26/19 B	127,296	1.000	0	127,296-	127,296	
22831106	02/27/19 B	34,720	1.000	0	34,720-	34,720	
22831106	03/01/19 B	132,510	1.000	0	132,510-	132,510	
22831106	03/06/19 B	377	1.000	0	377-	377	
22831106	03/08/19 B	23,581	1.000	0	23,581-	23,581	
22831106	03/08/19 B	1,094	1.000	0	1,094-	1,094	
22831106	03/12/19 B	14,703	1.000	0	14,703-	14,703	
22831106	03/13/19 B	5,609	1.000	0	5,609-	5,609	
22831106	03/15/19 B	99,174	1.000	0	99,174-	99,174	
22831106	03/15/19 B	4,056	1.000	0	4,056-	4,056	
22831106	03/18/19 B	8,340	1.000	0	8,340-	8,340	

REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
22831106	03/19/19 B	11,305	1.000	0	11,305-	11,305	
22831106	03/20/19 B	35,720	1.000	0	35,720-	35,720	
22831106	03/21/19 B	198,545	1.000	0	198,545-	198,545	
22831106	03/22/19 B	48,136	1.000	0	48,136-	48,136	
22831106	03/25/19 B	21,093	1.000	0	21,093-	21,093	
22831106	03/25/19 B	51,025	1.000	0	51,025-	51,025	
22831106	03/26/19 B	4,200	1.000	0	4,200-	4,200	
22831106	03/27/19 B	1,050	1.000	0	1,050-	1,050	
22831106	03/28/19 B	38,870	1.000	0	38,870-	38,870	
22831106	04/01/19 B	68,521	1.000	0	68,521-	68,521	
22831106	04/02/19 B	33,934	1.000	0	33,934-	33,934	
22831106	04/05/19 B	1,549	1.000	0	1,549-	1,549	
22831106	04/08/19 B	38,159	1.000	0	38,159-	38,159	
22831106	04/08/19 B	1,131	1.000	0	1,131-	1,131	
22831106	04/09/19 B	5,950	1.000	0	5,950-	5,950	
22831106	04/10/19 B	368,882	1.000	0	368,882-	368,882	
22831106	04/12/19 B	716,387	1.000	0	716,387-	716,387	
22831106	04/15/19 B	67,496	1.000	0	67,496-	67,496	
22831106	04/16/19 B	23,629	1.000	0	23,629-	23,629	
22831106	04/17/19 B	1,590	1.000	0	1,590-	1,590	
22831106	04/17/19 B	2,919	1.000	0	2,919-	2,919	
22831106	04/18/19 B	2,260	1.000	0	2,260-	2,260	
22831106	04/22/19 B	402,590	1.000	0	402,590-	402,590	
22831106	04/24/19 B	13,453	1.000	0	13,453-	13,453	
22831106	04/25/19 B	15,712	1.000	0	15,712-	15,712	
22831106	04/29/19 B	123,662	1.000	0	123,662-	123,662	
22831106	04/29/19 B	1,049	1.000	0	1,049-	1,049	
22831106	04/30/19 B	6,150	1.000	0	6,150-	6,150	
22831106	05/01/19 B	133,687	1.000	0	133,687-	133,687	
22831106	05/03/19 B	27,671	1.000	0	27,671-	27,671	
22831106	05/08/19 B	1,094	1.000	0	1,094-	1,094	
22831106	05/10/19 B	9,750	1.000	0	9,750-	9,750	
22831106	05/13/19 B	16,188	1.000	0	16,188-	16,188	
22831106	05/13/19 B	231,819	1.000	0	231,819-	231,819	
22831106	05/15/19 B	87,650	1.000	0	87,650-	87,650	
22831106	05/15/19 B	16,819	1.000	0	16,819-	16,819	
22831106	05/16/19 B	33,496	1.000	0	33,496-	33,496	
22831106	05/17/19 B	2,199	1.000	0	2,199-	2,199	
22831106	05/20/19 B	14,864	1.000	0	14,864-	14,864	
22831106	05/20/19 B	1,055	1.000	0	1,055-	1,055	
22831106	05/21/19 B	7,604	1.000	0	7,604-	7,604	
22831106	05/28/19 B	2,891	1.000	0	2,891-	2,891	
22831106	05/29/19 B	11,380	1.000	0	11,380-	11,380	
22831106	05/29/19 B	96,377	1.000	0	96,377-	96,377	
22831106	05/30/19 B	1,047	1.000	0	1,047-	1,047	
22831106	06/03/19 B	39,292	1.000	0	39,292-	39,292	

REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
22831106	06/04/19 B	2,269	1.000	0	2,269-	2,269	
22831106	06/05/19 B	4,922	1.000	0	4,922-	4,922	
22831106	06/06/19 B	8,325	1.000	0	8,325-	8,325	
22831106	06/07/19 B	68,535	1.000	0	68,535-	68,535	
22831106	06/10/19 B	15,094	1.000	0	15,094-	15,094	
22831106	06/10/19 B	111	1.000	0	111-	111	
22831106	06/14/19 B	3,623	1.000	0	3,623-	3,623	
22831106	06/17/19 B	362	1.000	0	362-	362	
22831106	06/17/19 B	2,255	1.000	0	2,255-	2,255	
22831106	06/18/19 B	3,012	1.000	0	3,012-	3,012	
22831106	06/20/19 B	20,324	1.000	0	20,324-	20,324	
22831106	06/20/19 B	41,563	1.000	0	41,563-	41,563	
22831106	06/25/19 B	2,238	1.000	0	2,238-	2,238	
22831106	06/27/19 B	1,046	1.000	0	1,046-	1,046	
22831106	06/27/19 B	171,660	1.000	0	171,660-	171,660	
22831106	07/01/19 B	88,034	1.000	0	88,034-	88,034	
22831106	07/03/19 B	215,590	1.000	0	215,590-	215,590	
22831106	07/05/19 B	33,653	1.000	0	33,653-	33,653	
22831106	07/08/19 B	1,499	1.000	0	1,499-	1,499	
22831106	07/09/19 B	1,094	1.000	0	1,094-	1,094	
22831106	07/10/19 B	5,925	1.000	0	5,925-	5,925	
22831106	07/12/19 B	125,047	1.000	0	125,047-	125,047	
22831106	07/12/19 B	140,185	1.000	0	140,185-	140,185	
22831106	07/15/19 B	66,451	1.000	0	66,451-	66,451	
22831106	07/16/19 B	5,748	1.000	0	5,748-	5,748	
22831106	07/17/19 B	11,580	1.000	0	11,580-	11,580	
22831106	07/17/19 B	350	1.000	0	350-	350	
22831106	07/22/19 B	12,638	1.000	0	12,638-	12,638	
22831106	07/22/19 B	3,874	1.000	0	3,874-	3,874	
22831106	07/23/19 B	7,885	1.000	0	7,885-	7,885	
22831106	07/24/19 B	44,778	1.000	0	44,778-	44,778	
22831106	07/26/19 B	57,514	1.000	0	57,514-	57,514	
22831106	07/29/19 B	1,045	1.000	0	1,045-	1,045	
22831106	07/29/19 B	2,483	1.000	0	2,483-	2,483	
22831106	08/01/19 B	11,628	1.000	0	11,628-	11,628	
22831106	08/06/19 B	13,706	1.000	0	13,706-	13,706	
22831106	08/07/19 B	11,627	1.000	0	11,627-	11,627	
22831106	08/08/19 B	1,131	1.000	0	1,131-	1,131	
22831106	08/09/19 B	715,720	1.000	0	715,720-	715,720	
22831106	08/13/19 B	7,849	1.000	0	7,849-	7,849	
22831106	08/15/19 B	33,278	1.000	0	33,278-	33,278	
22831106	08/16/19 B	1,874	1.000	0	1,874-	1,874	
22831106	08/19/19 B	9,542	1.000	0	9,542-	9,542	
22831106	08/20/19 B	101,262	1.000	0	101,262-	101,262	
22831106	08/20/19 B	1,155,761	1.000	0	1,155,761-	1,155,761	
22831106	08/20/19 B	3,582	1.000	0	3,582-	3,582	

**REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019**

**ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199**

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
22831106	08/21/19 B	204,442	1.000	0	204,442-	204,442	
22831106	08/22/19 B	5,913	1.000	0	5,913-	5,913	
22831106	08/26/19 B	1,573	1.000	0	1,573-	1,573	
22831106	08/28/19 B	1,044	1.000	0	1,044-	1,044	
22831106	09/03/19 B	760	1.000	0	760-	760	
22831106	09/09/19 B	25,130	1.000	0	25,130-	25,130	
22831106	09/09/19 B	1,131	1.000	0	1,131-	1,131	
22831106	09/12/19 B	8,813	1.000	0	8,813-	8,813	
22831106	09/12/19 B	2,486	1.000	0	2,486-	2,486	
22831106	09/13/19 B	260,609	1.000	0	260,609-	260,609	
22831106	09/16/19 B	74,762	1.000	0	74,762-	74,762	
22831106	09/17/19 B	13,940	1.000	0	13,940-	13,940	
22831106	09/17/19 B	1,200	1.000	0	1,200-	1,200	
22831106	09/17/19 B	2,929	1.000	0	2,929-	2,929	
22831106	09/18/19 B	397,165	1.000	0	397,165-	397,165	
22831106	09/18/19 B	1,055	1.000	0	1,055-	1,055	
22831106	09/20/19 B	6,473	1.000	0	6,473-	6,473	
22831106	09/20/19 B	41,563	1.000	0	41,563-	41,563	
22831106	09/24/19 B	13,688	1.000	0	13,688-	13,688	
22831106	09/24/19 B	784,081	1.000	0	784,081-	784,081	
22831106	09/25/19 B	1,573	1.000	0	1,573-	1,573	
22831106	09/30/19 B	14,288	1.000	0	14,288-	14,288	
SUB-TOTAL OF BUYS # 243				0	17,695,368	17,695,368	
22831100	10/01/18 S	190,670	1.000	0	190,670	190,670	0
22831100	10/01/18 S	8,752	1.000	0	8,752	8,752	0
22831100	10/02/18 S	2,815	1.000	0	2,815	2,815	0
22831100	10/05/18 S	9	1.000	0	9	9	0
22831100	10/16/18 S	1,129	1.000	0	1,129	1,129	0
22831100	10/19/18 S	1,976	1.000	0	1,976	1,976	0
22831100	10/22/18 S	15,178	1.000	0	15,178	15,178	0
22831100	10/23/18 S	40,331	1.000	0	40,331	40,331	0
22831100	10/24/18 S	6,174	1.000	0	6,174	6,174	0
22831100	10/25/18 S	1,759	1.000	0	1,759	1,759	0
22831100	11/01/18 S	197,461	1.000	0	197,461	197,461	0
22831100	11/07/18 S	146	1.000	0	146	146	0
22831100	12/03/18 S	197,729	1.000	0	197,729	197,729	0
22831100	12/14/18 S	10	1.000	0	10	10	0
22831100	12/20/18 S	8,062	1.000	0	8,062	8,062	0
22831100	01/02/19 S	202,608	1.000	0	202,608	202,608	0
22831100	01/02/19 S	8,805	1.000	0	8,805	8,805	0
22831100	01/16/19 S	76,001	1.000	0	76,001	76,001	0
22831100	01/22/19 S	15,397	1.000	0	15,397	15,397	0
22831100	01/24/19 S	565	1.000	0	565	565	0
22831100	02/01/19 S	201,969	1.000	0	201,969	201,969	0

REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019ALLISON HOURLY CONSOLIDATED
ACCOUNT NUMBER 22831199

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
22831100	02/04/19 S	2,130	1.000	0	2,130	2,130	0
22831100	02/06/19 S	40,760	1.000	0	40,760	40,760	0
22831100	02/21/19 S	4,315	1.000	0	4,315	4,315	0
22831100	02/22/19 S	2,371	1.000	0	2,371	2,371	0
22831100	02/27/19 S	374	1.000	0	374	374	0
22831100	02/28/19 S	434	1.000	0	434	434	0
22831100	03/01/19 S	206,232	1.000	0	206,232	206,232	0
22831100	03/11/19 S	9,238	1.000	0	9,238	9,238	0
22831100	03/21/19 S	5,376	1.000	0	5,376	5,376	0
22831100	03/26/19 S	9	1.000	0	9	9	0
22831100	04/01/19 S	207,789	1.000	0	207,789	207,789	0
22831100	04/03/19 S	1,223	1.000	0	1,223	1,223	0
22831100	04/15/19 S	1,898	1.000	0	1,898	1,898	0
22831100	04/22/19 S	17,480	1.000	0	17,480	17,480	0
22831100	04/23/19 S	1,845	1.000	0	1,845	1,845	0
22831100	04/24/19 S	1,025	1.000	0	1,025	1,025	0
22831100	05/01/19 S	213,100	1.000	0	213,100	213,100	0
22831100	05/02/19 S	2,861	1.000	0	2,861	2,861	0
22831100	05/07/19 S	41,553	1.000	0	41,553	41,553	0
22831100	05/23/19 S	6,827	1.000	0	6,827	6,827	0
22831100	06/03/19 S	215,621	1.000	0	215,621	215,621	0
22831100	06/04/19 S	11,604	1.000	0	11,604	11,604	0
22831100	06/11/19 S	9,140	1.000	0	9,140	9,140	0
22831100	06/20/19 S	627	1.000	0	627	627	0
22831100	06/21/19 S	1,896	1.000	0	1,896	1,896	0
22831100	07/01/19 S	222,127	1.000	0	222,127	222,127	0
22831100	07/02/19 S	1,960	1.000	0	1,960	1,960	0
22831100	07/05/19 S	3,851	1.000	0	3,851	3,851	0
22831100	07/12/19 S	86,580	1.000	0	86,580	86,580	0
22831100	07/15/19 S	10	1.000	0	10	10	0
22831100	07/17/19 S	1,312	1.000	0	1,312	1,312	0
22831100	07/18/19 S	1,663	1.000	0	1,663	1,663	0
22831100	07/22/19 S	16,709	1.000	0	16,709	16,709	0
22831100	07/24/19 S	5,422	1.000	0	5,422	5,422	0
22831100	07/25/19 S	638	1.000	0	638	638	0
22831100	07/25/19 S	43,036	1.000	0	43,036	43,036	0
22831100	07/31/19 S	528	1.000	0	528	528	0
22831100	08/01/19 S	232,794	1.000	0	232,794	232,794	0
22831100	08/20/19 S	644	1.000	0	644	644	0
22831100	08/21/19 S	3,591	1.000	0	3,591	3,591	0
22831100	08/23/19 S	6,690	1.000	0	6,690	6,690	0
22831100	08/28/19 S	9,378	1.000	0	9,378	9,378	0
22831100	09/03/19 S	251,298	1.000	0	251,298	251,298	0
22831100	09/06/19 S	540	1.000	0	540	540	0
22831100	09/13/19 S	1,644	1.000	0	1,644	1,644	0
22831100	09/23/19 S	3,358	1.000	0	3,358	3,358	0

REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
22831100	09/24/19 S	2,313	1.000	0	2,313	2,313	0
22831106	10/04/18 S	217,602	1.000	0	217,602	217,602	0
22831106	10/11/18 S	385,733	1.000	0	385,733	385,733	0
22831106	10/22/18 S	170,171	1.000	0	170,171	170,171	0
22831106	10/22/18 S	4,412	1.000	0	4,412	4,412	0
22831106	11/09/18 S	8,564	1.000	0	8,564	8,564	0
22831106	11/13/18 S	63,037	1.000	0	63,037	63,037	0
22831106	11/16/18 S	14,117	1.000	0	14,117	14,117	0
22831106	11/21/18 S	304,351	1.000	0	304,351	304,351	0
22831106	11/30/18 S	444,110	1.000	0	444,110	444,110	0
22831106	12/03/18 S	87,321	1.000	0	87,321	87,321	0
22831106	12/06/18 S	233,500	1.000	0	233,500	233,500	0
22831106	12/17/18 S	53,915	1.000	0	53,915	53,915	0
22831106	12/18/18 S	34,318	1.000	0	34,318	34,318	0
22831106	12/19/18 S	189,098	1.000	0	189,098	189,098	0
22831106	01/07/19 S	3,291	1.000	0	3,291	3,291	0
22831106	01/08/19 S	400,144	1.000	0	400,144	400,144	0
22831106	01/11/19 S	4,399	1.000	0	4,399	4,399	0
22831106	01/17/19 S	1,759,650	1.000	0	1,759,650	1,759,650	0
22831106	01/18/19 S	382,155	1.000	0	382,155	382,155	0
22831106	01/24/19 S	388,530	1.000	0	388,530	388,530	0
22831106	01/25/19 S	125,731	1.000	0	125,731	125,731	0
22831106	02/08/19 S	132,874	1.000	0	132,874	132,874	0
22831106	02/13/19 S	82,412	1.000	0	82,412	82,412	0
22831106	02/15/19 S	51,605	1.000	0	51,605	51,605	0
22831106	02/15/19 S	86,186	1.000	0	86,186	86,186	0
22831106	02/19/19 S	122,178	1.000	0	122,178	122,178	0
22831106	02/22/19 S	219,304	1.000	0	219,304	219,304	0
22831106	02/25/19 S	246,075	1.000	0	246,075	246,075	0
22831106	02/26/19 S	125,105	1.000	0	125,105	125,105	0
22831106	02/27/19 S	362	1.000	0	362	362	0
22831106	02/28/19 S	588,421	1.000	0	588,421	588,421	0
22831106	03/04/19 S	223,302	1.000	0	223,302	223,302	0
22831106	03/07/19 S	59,650	1.000	0	59,650	59,650	0
22831106	03/15/19 S	50,876	1.000	0	50,876	50,876	0
22831106	04/03/19 S	324,951	1.000	0	324,951	324,951	0
22831106	04/04/19 S	411,141	1.000	0	411,141	411,141	0
22831106	04/11/19 S	366,724	1.000	0	366,724	366,724	0
22831106	04/15/19 S	700,000	1.000	0	700,000	700,000	0
22831106	04/25/19 S	100,377	1.000	0	100,377	100,377	0
22831106	05/02/19 S	11,331	1.000	0	11,331	11,331	0
22831106	05/06/19 S	64,360	1.000	0	64,360	64,360	0
22831106	05/07/19 S	69,872	1.000	0	69,872	69,872	0
22831106	05/14/19 S	329,722	1.000	0	329,722	329,722	0
22831106	05/16/19 S	99,251	1.000	0	99,251	99,251	0
22831106	05/17/19 S	46,479	1.000	0	46,479	46,479	0

**REPORTABLE TRANSACTIONS - SERIES / BY ISSUE
 FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019**

**ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199**

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
-----	-----	-----	-----	-----	-----	-----	-----
22831106	05/23/19 S	17,674	1.000	0	17,674	17,674	0
22831106	06/07/19 S	119,470	1.000	0	119,470	119,470	0
22831106	06/11/19 S	185,171	1.000	0	185,171	185,171	0
22831106	06/17/19 S	341,311	1.000	0	341,311	341,311	0
22831106	06/19/19 S	3,853	1.000	0	3,853	3,853	0
22831106	06/27/19 S	99,717	1.000	0	99,717	99,717	0
22831106	07/18/19 S	81,303	1.000	0	81,303	81,303	0
22831106	07/25/19 S	140,942	1.000	0	140,942	140,942	0
22831106	07/29/19 S	416,698	1.000	0	416,698	416,698	0
22831106	08/02/19 S	354,283	1.000	0	354,283	354,283	0
22831106	08/08/19 S	126,266	1.000	0	126,266	126,266	0
22831106	08/08/19 S	299,667	1.000	0	299,667	299,667	0
22831106	08/16/19 S	26,626	1.000	0	26,626	26,626	0
22831106	08/21/19 S	1,627,209	1.000	0	1,627,209	1,627,209	0
22831106	09/03/19 S	172,895	1.000	0	172,895	172,895	0
22831106	09/19/19 S	441,441	1.000	0	441,441	441,441	0
22831106	09/23/19 S	380,239	1.000	0	380,239	380,239	0
22831106	09/27/19 S	775,015	1.000	0	775,015	775,015	0
SUB-TOTAL OF SALES # 131				0	18,475,847	18,475,847	0
SUB-TOTAL				0	36,171,215	36,171,215	0
GRAND TOTAL				0	36,171,215	36,171,215	0

F O O T N O T E S

* = SINGLE TRANSACTION IS 5% REPORTABLE
 B = BUY TRANSACTION
 S = SELL TRANSACTION
 R = REINVESTMENT TRANSACTION



Allison Transmission Hourly-Rate Employees Pension Plan (EIN/PN: 26-0413897/004)
 Attachments to Schedule H (2018 Form 5500)
 Schedule H, Line 4j - Schedule of Reportable Transactions

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**REPORTABLE TRANSACTIONS - SINGLE / BY BROKER
FOR THE PERIOD OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019**

**ALLISON HOURLY CONSOLIDATED
ACCOUNT NUMBER 22831199**

TRANSACTION ACCOUNT	DATE BOUGHT/SOLD	SHARES/ PAR VALUE	UNIT PRICE	EXPENSE INCURRED	PRINCIPAL CASH	TRANSACTION COST	REALIZED GAIN/LOSS
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		BEGINNING MARKET VALUE		95,715,090.85			
		COMPARATIVE VALUE (5%)		4,785,754.54			

*** NO TRANSACTIONS QUALIFIED FOR THIS REPORT ***

FOOTNOTES

* = SINGLE TRANSACTION IS 5% REPORTABLE
B = BUY TRANSACTION
S = SELL TRANSACTION
R = REINVESTMENT TRANSACTION

SCHEDULE SB (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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 2018 This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning 10/01/2018 and ending 09/30/2019

► **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 ALLISON TRANSMISSION HOURLY-RATE EMPLOYEES PENSION PLAN	B Three-digit plan number (PN)	004
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF ALLISON TRANSMISSION, INC.	D Employer Identification Number (EIN) 26-0413897	
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B		
F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500		

Part I Basic Information			
1 Enter the valuation date: Month <u>10</u> Day <u>01</u> Year <u>2018</u>			
2 Assets:		2a	95,715,091
a Market value		2b	95,715,091
b Actuarial value			
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	412	26,372,613	26,372,613
b For terminated vested participants	125	2,587,652	2,587,652
c For active participants	635	40,888,161	42,054,664
d Total	1,172	69,848,426	71,014,929
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 more than five consecutive years and disregarding loading factor		4b	
5 Effective interest rate		5	5.75%
6 Target normal cost		6	2,896,866

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		<u>7/6/2020</u>
	Signature of actuary	Date
	DAVID L. JAKES, FSA, EA, MAAA	2005110
	Type or print name of actuary	Most recent enrollment number
	MERCER	614-227-5555
	Firm name	Telephone number (including area code)
	325 JOHN H MCCONNELL BLVD SUITE 350 COLUMBUS OH 43215 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 ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2018 v. 171027

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	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year).....	0	0
9 Amount remaining (line 7 minus line 8).....	0	0
10 Interest on line 9 using prior year's actual return of <u>-0.14%</u>	0	0
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 <u>5.94%</u>		0
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return.....		
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	0

Part III Funding Percentages

14 Funding target attainment percentage.....	14	134.78%
15 Adjusted funding target attainment percentage.....	15	134.78%
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	152.02%
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?.....	☐ Yes ☒ No	
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?.....	☐ Yes ☐ No	
c If line 20a is "Yes," see instructions and complete the following table as applicable:		

Liquidity shortfall as of end of quarter of this plan year

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

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

21 Discount rate:				
a Segment rates:	1st segment: 3.92 %	2nd segment: 5.52 %	3rd segment: 6.29 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 0
22 Weighted average retirement age				22 62
23 Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate	☐ Substitute
	Current regulation:	☐ 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	2,896,866	
b Excess assets, if applicable, but not greater than line 31a	31b	2,896,866	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment.....	0	0	
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	0	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....	0	0	0
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, line 22 — Description of Weighted Average Retirement Age

Each employee is assumed to retire in accordance with the table of retirement rates. The proportion of employees expected to retire at each potential retirement age is shown below (based on ultimate retirement rates). The average retirement age is 62.

(A) Retirement age	(B) Retirement Percent	(C) Lx	(D) Number of employees expected to retire = (B) x (C)	(E) = (A) x (D)
50	5.00%	10,000	500	25,000
51	5.00%	9,500	475	24,225
52	5.00%	9,025	451	23,465
53	5.00%	8,574	429	22,720
54	5.00%	8,145	407	21,992
55	5.00%	7,738	387	21,279
56	5.00%	7,351	368	20,583
57	5.00%	6,983	349	19,903
58	5.00%	6,634	332	19,239
59	5.00%	6,302	315	18,592
60	5.00%	5,987	299	17,962
61	5.00%	5,688	284	17,348
62	10.00%	5,404	540	33,502
63	10.00%	4,863	486	30,638
64	10.00%	4,377	438	28,012
65	10.00%	3,939	394	25,605
66	10.00%	3,545	355	23,399
67	10.00%	3,191	319	21,378
68	10.00%	2,872	287	19,528
69	10.00%	2,585	258	17,833
70+	100.00%	2,326	2,326	162,825
Total			10,000	615,028
Average				61.50

Schedule SB, Part V — Summary of Plan Provisions

SUMMARY OF MAJOR PLAN PROVISIONS

Effective date and plan year	Original plan: August 7, 2007 Restated: ATI-UAW Collective Bargaining Agreement (effective December 3, 2012) Plan year: October 1 – September 30 (first plan year is 8/7/2007 – 9/30/2007)						
Most recent amendment	ATI-UAW Collective Bargaining Agreement (effective December 18, 2017)						
DEFINITIONS							
• Covered employees	Tier I hourly-rate employees covered by the collective bargaining agreement who have attained seniority. Hourly-rate employees hired after February 1, 2008 (Tier II) are not covered by this plan.						
• Vesting service	Participants become vested at the earlier of 5 elapsed years (from date of hire) in which at least 750 hours are worked during the year or 5 years of credited service.						
• Credited service	Participants receive 1/10th of a year of Credited Service for every 170 hours worked in a calendar year to a maximum annual credit of 1 year of Credited Service per year. Credited Service with GM counts toward eligibility and vesting, but not benefit accrual.						
NORMAL RETIREMENT							
• Eligibility	Age 65 with one year of service						
• Benefit	Applicable Job Classification Code multiplier times Credited Service						
	Benefit Class Code	8/7/2007 through 9/1/2007	10/1/2007 through 9/1/2008	10/1/2008 through 9/1/2009	10/1/2009 through 9/1/2010	10/1/2010 through 9/1/2011	10/1/2011 and after
	A	\$50.90	\$52.90	\$53.10	\$53.30	\$53.55	\$55.70
	B	\$51.15	\$53.15	\$53.35	\$53.55	\$53.80	\$55.95
	C	\$51.40	\$53.40	\$53.60	\$53.80	\$54.05	\$56.20
	D	\$51.65	\$53.65	\$53.85	\$54.05	\$54.30	\$56.45

Schedule SB, Part V — Summary of Plan Provisions

EARLY RETIREMENT							
• Eligibility	Earliest of age 60 with 5 years of service, age 55 with 85 age/service points, and 30 years of service						
• Benefit	<p>Normal Retirement Benefit reduced for retirement before age 62.</p> <p>In addition to the Normal Retirement Benefit, a supplement is payable until age 62 and one month (or if the retiree is born from 1938 to November 15, 1961), until the retiree is eligible for 80% Social Security). For retirees with less than 30 years of service, the supplement is the applicable interim multiplier times years of service. For retirees with 30 years of service, the benefit is a fixed monthly amount which together with the early retirement benefit provides a total benefit equal to the amount listed below (prorated based on service with GM).</p>						
Interim Supplement	8/7/2007 through 9/1/2007	10/1/2007 through 9/1/2008	10/1/2008 through 9/1/2009	10/1/2009 through 9/1/2010	10/1/2010 through 9/1/2011	10/1/2011 and after	
55	\$21.90	\$22.35	\$22.45	\$22.55	\$22.60	\$23.50	
56	\$25.85	\$26.35	\$26.50	\$26.60	\$26.70	\$27.75	
57	\$31.25	\$31.90	\$32.00	\$32.15	\$32.25	\$33.55	
58	\$36.60	\$37.35	\$37.50	\$37.65	\$37.80	\$39.30	
59	\$40.85	\$41.65	\$41.85	\$42.00	\$42.20	\$43.90	
60	\$47.30	\$48.25	\$48.45	\$48.65	\$48.85	\$50.80	
61	\$47.30	\$48.25	\$48.45	\$48.65	\$48.85	\$50.80	
30 & Out Supplement	\$3,020	\$3,140	\$3,150	\$3,160	\$3,170	\$3,300	
Additional UAW Supplemental Pension Appeal Decision	Retirees with 30 years of more of service receive \$130 (\$3,300 - \$3,170), prorated based on the ratio of GM Service to Total Service and paid from retirement until age 62 and one month (or until the retiree is eligible for 80% Social Security as applicable).						

Schedule SB, Part V — Summary of Plan Provisions

<ul style="list-style-type: none"> Early retirement factors 	Retirees with 30 years or more of service or 85 points have their benefits redetermined after age 62 and one month without any reduction.	
	Age	Percentage
	42	21.0%
	43	22.6%
	44	24.3%
	45	26.1%
	46	28.2%
	47	30.4%
	48	32.8%
	49	35.4%
	50	38.3%
	51	41.5%
	52	45.0%
	53	48.9%
	54	53.2%
	55	57.9%
	56	63.5%
	57	69.4%
	58	75.2%
	59	80.8%
	60	86.7%
	61	93.3%
	62 or over	100.0%
	Prorated for intermediate ages computed on the basis of the number of completed calendar months by which the participant is under the age attained at the participant's next birthday.	

Schedule SB, Part V — Summary of Plan Provisions

LUMP-SUM PAYMENTS		
• Eligibility	Retired after October 1, 2011 under normal, early, or disability retirement	
• Benefit	A maximum payment of \$700 will be made to retired employees with 30 or more years of credited service. The payment to retirees with less than 30 years of credited service will be \$23.3333 per year of credited service with Allison Transmission, Inc. (with a proportional amount for fractional years). Eligible surviving spouses will receive 65% of the amount payable to retiree. Payments are to be made December 2017, 2018, 2019, 2020, 2021, and 2022.	
DEFERRED VESTED		
• Eligibility	Vested upon termination.	
• Benefit	Normal Retirement Benefit payable at Normal Retirement Age (reduced for early commencement) Early retirement factors are as follows	
	Age	Percentage
	55	42.8%
	56	46.8%
	57	51.2%
	58	55.5%
	59	59.6%
	60	64.0%
	61	71.2%
	62	78.4%
	63	85.6%
	64	92.8%
65	100.0%	
	Prorated for intermediate ages computed on the basis of the number of complete calendar months by which the participant is under the age attained at the participant’s next birthday.	

Schedule SB, Part V — Summary of Plan Provisions

DISABILITY						
• Eligibility	Disabled after 10 years of service					
• Benefit	Normal Retirement Benefit as of the date of disability payable immediately (without reduction). In addition, a temporary benefit is paid until age 62 and one month based on the temporary multiplier times years of service.					
Temporary benefit	8/7/2007 through 9/1/2007	10/1/2007 through 9/1/2008	10/1/2008 through 9/1/2009	10/1/2009 through 9/1/2010	10/1/2010 through 9/1/2011	10/1/2011 and after
	\$49.80	\$50.80	\$51.00	\$51.20	\$51.40	\$53.45
PRE-RETIREMENT DEATH						
• Eligibility	Vested upon Participant’s death					
• Benefit prior to early retirement	50% of the Normal Retirement Benefit is paid to the surviving spouse commencing on the first of the month following the month in which the employee would have been eligible to retire at the option of the employee.					
• Benefit after early but before normal retirement	65% of the Normal Retirement Benefit is paid to the surviving spouse commencing on the first of the month following the month in which the employee would have been eligible to retire at the option of the employee.					
FORM OF BENEFITS						
• Automatic form for unmarried participants	Life annuity					
• Automatic form for married participants	65% joint and survivor annuity Benefit is 95% of the monthly basic benefit if the spouse's age is within 5 years of the participant's age. Such percentage is increased by one half of one percent (1/2%) (up to a maximum of 100%) for each 12 months in excess of 5 years that the spouse's age exceeds the participant's age and decreased by one-half of one percent (1/2%) for each 12 months in excess of 5 years that the spouse's age is less than the participant's age.					
• Optional forms	Contingent Annuitant annuity in any designated percentage (in 5% increments) up to 100%					
• Optional form conversion factors	Fixed factors based on the age difference between the participant and contingent beneficiary are used to convert the accrued benefit to the optional form					
MISCELLANEOUS						
• Maximum benefits	Annual benefits may not exceed the limits in IRC Section 415. This limit is indexed annually. For 2018, the limit is \$220,000.					

Schedule SB, Part V — Summary of Plan Provisions

- | | |
|-------------------------|--|
| • Actuarial equivalence | Based on IRC Section 417(e)(3) interest rates and mortality. |
|-------------------------|--|

Benefits Included or Excluded

Unless noted below, all benefits provided by the plan, as restated and amended through 1st amendment, are included in this valuation:

- **Most recent plan amendments included:** 2018– 2023 ATI– UAW Collective Bargaining Agreement (ratified December 18, 2017).
- **Plan amendments excluded:** None
- **Late retirement increases:**
 - Active participants: The plan provides benefit suspension notices to participants who work beyond normal retirement; therefore, late retirement actuarial increases only apply to participants who defer retirement beyond age 70½. This valuation includes increases for current participants over age 70.
 - Deferred vested participants: Current deferred vested participants over normal retirement age are valued including the late retirement actuarial increase.
- **Internal Revenue Code limitations:** The limitations of Internal Revenue Code Section 415(b) and 401(a)(17) have been incorporated into our calculations.
- **IRC Section 416 rules for top-heavy plans:** We did not test whether this plan is top-heavy (when the present value of benefits for key employees equals or exceeds 60% of the present value for all participants). Because of this plan’s status as a collectively bargained plan, the plan cannot be top-heavy.

Schedule SB, Part V — Summary of Plan Provisions

Additional Benefits Included or Excluded

- **IRC Section 436 benefit restrictions:**
 - *Unpredictable contingent event benefits:* Not applicable.
 - *Plan amendments:* See above.
 - *Prohibited payments:* Limitations on prohibited benefits (if any) are reflected for annuity starting dates before the valuation date but are ignored for annuity starting dates on or after the valuation date.
 - *Benefit accruals:* The plan's funding target does not reflect any limitation on benefit accruals. The target normal cost does not reflect any limitation on benefit accruals.
- **Scheduled benefit increases:** Scheduled benefit increases effective after the end of the current plan year are excluded from minimum funding requirements.
- **Unpredictable contingent event benefits:** The plan does not have any unpredictable contingent event benefits.

PLAN PROVISION CHANGES SINCE PRIOR VALUATION

For funding, the 2018–2023 ATI–UAW Collective Bargaining Agreement (ratified December 18, 2017) extended the \$700 December Lump Sums to 2017 through 2022 and for the participants born November 15, 1955 up to November 15, 1961, early retirement supplements are payable to the participant's "80% Date" (the month in which a participant can elect to receive an 80% Social Security benefit). For all purposes, maximum benefit amounts under IRS rules were updated from 2017 to 2018.

ASSET DETAIL REVALUED COST
 AS OF SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	US TREASURY BOND DTD 11/15/16 0.000 11/15/2046 CUSIP 912834QV3					
700,000.000	ALLISON TRANS-RYAN LABS	40.4240	282,968.00	54.8630	384,041.00	101,073.00
700,000.000	TOTAL US TREASURY BOND	11/15/46	282,968.00		384,041.00	101,073.00
	US TREASURY BOND DTD 05/15/19 2.875 05/15/2049 CUSIP 912810SH2					
165,000.000	ALLISON TRANS-RYAN LABS	116.2240	191,769.54	116.6290	192,437.85	668.31
165,000.000	TOTAL US TREASURY BOND	2.875% 5/15/49	191,769.54		192,437.85	668.31
	US TREASURY BOND DTD 02/15/19 3.000 02/15/2049 CUSIP 912810SF6					
415,000.000	ALLISON TRANS-RYAN LABS	108.8465	451,712.90	119.2310	494,808.65	43,095.75
415,000.000	TOTAL US TREASURY BOND	3.000% 2/15/49	451,712.90		494,808.65	43,095.75
	US TREASURY BOND DTD 11/15/18 3.375 11/15/2048 CUSIP 912810SE9					
625,000.000	ALLISON TRANS-RYAN LABS	106.9969	668,730.60	127.4180	796,362.50	127,631.90
625,000.000	TOTAL US TREASURY BOND	3.375% 11/15/48	668,730.60		796,362.50	127,631.90
	US TREASURY NOTE DTD 09/03/19 1.375 08/31/2026 CUSIP 912828YD6					
290,000.000	ALLISON TRANS-RYAN LABS	98.0430	284,324.61	98.3950	285,345.50	1,020.89
290,000.000	TOTAL US TREASURY NOTE	1.375% 8/31/26	284,324.61		285,345.50	1,020.89
	US TREASURY NOTE DTD 07/31/19 1.750 07/31/2024 CUSIP 912828Y87					
1,195,000.000	ALLISON TRANS-RYAN LABS	101.6055	1,214,185.34	100.8830	1,205,551.85	8,633.49-
1,195,000.000	TOTAL US TREASURY NOTE	1.750% 7/31/24	1,214,185.34		1,205,551.85	8,633.49-

ASSET DETAIL REVALUED COST
 AS OF SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	US TREASURY NOTE DTD 05/31/17 2.000 05/31/2024 CUSIP 912828XT2					
340,000.000	ALLISON TRANS-RYAN LABS	100.7578	342,576.56	101.9960	346,786.40	4,209.84
340,000.000	TOTAL US TREASURY NOTE 2.000% 5/31/24		342,576.56		346,786.40	4,209.84
	US TREASURY NOTE DTD 04/01/19 2.250 03/31/2026 CUSIP 9128286L9					
600,000.000	ALLISON TRANS-RYAN LABS	99.2086	595,251.57	103.9060	623,436.00	28,184.43
600,000.000	TOTAL US TREASURY NOTE 2.250% 3/31/26		595,251.57		623,436.00	28,184.43
	US TREASURY NOTE DTD 05/15/19 2.375 05/15/2029 CUSIP 9128286T2					
200,000.000	ALLISON TRANS-RYAN LABS	102.5090	205,018.09	106.1950	212,390.00	7,371.91
200,000.000	TOTAL US TREASURY NOTE 2.375% 5/15/29		205,018.09		212,390.00	7,371.91
	US TREASURY NOTE DTD 02/15/19 2.625 02/15/2029 CUSIP 9128286B1					
850,000.000	ALLISON TRANS-RYAN LABS	100.1851	851,572.93	108.2310	919,963.50	68,390.57
850,000.000	TOTAL US TREASURY NOTE 2.625% 2/15/29		851,572.93		919,963.50	68,390.57
	US TREASURY NOTE DTD 05/15/18 2.875 05/15/2028 CUSIP 9128284N7					
950,000.000	ALLISON TRANS-RYAN LABS	98.4920	935,674.00	109.7580	1,042,701.00	107,027.00
950,000.000	TOTAL US TREASURY NOTE 2.875% 5/15/28		935,674.00		1,042,701.00	107,027.00
	TOTAL US TREASURY NOTES AND BONDS		6,023,784.14		6,503,824.25	480,040.11
	GOVT STRIPPED AND ZERO-COUPON					

ASSET DETAIL REVALUED COST
 AS OF SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
 ACCOUNT NUMBER 22831199

PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	US TREASURY BOND/NOTE STRIPPED ZERO DTD 11/16/09 11/15/2039 CUSIP 912834EV6					
3,735,000.000	ALLISON TRANS-RYAN LABS	50.6170	1,890,544.95	65.5680	2,448,964.80	558,419.85
<u>3,230,000.000</u>	ALLISON TRANS-RYAN LABS	47.3420	<u>1,529,146.60</u>	62.0740	<u>2,004,990.20</u>	<u>475,843.60</u>
6,965,000.000	TOTAL US TREAS SEC STRIPPED		3,419,691.55		4,453,955.00	1,034,263.45
	US TREASURY BOND STRIPPED ZERO CPN DTD 05/15/14 05/15/2044 CUSIP 912834NP9					
<u>2,000,000.000</u>	ALLISON TRANS-RYAN LABS	43.6850	<u>873,700.00</u>	58.1650	<u>1,163,300.00</u>	<u>289,600.00</u>
2,000,000.000	TOTAL US TREAS SEC STRIPPED	5/15/44	873,700.00		1,163,300.00	289,600.00
	US TREAS SEC STRIPPED ZERO CPN DTD 05/16/16 05/15/2046 CUSIP 912834QH4					
<u>1,620,000.000</u>	ALLISON TRANS-RYAN LABS	41.0160	<u>664,459.20</u>	55.3730	<u>897,042.60</u>	<u>232,583.40</u>
1,620,000.000	TOTAL US TREAS SEC STRIPPED	5/15/46	664,459.20		897,042.60	232,583.40
	US TREAS SEC STRIPPED DTD 08/15/17 08/15/2047 CUSIP 912834RR1					
<u>3,800,000.000</u>	ALLISON TRANS-RYAN LABS	39.3800	<u>1,496,440.00</u>	53.9990	<u>2,051,962.00</u>	<u>555,522.00</u>
3,800,000.000	TOTAL US TREAS SEC STRIPPED	8/15/47	1,496,440.00		2,051,962.00	555,522.00
	US TREAS SEC STRIPPED DTD 08/15/08 11/15/2037 CUSIP 912834AD0					
<u>2,600,000.000</u>	ALLISON TRANS-RYAN LABS	54.0190	<u>1,404,494.00</u>	68.9990	<u>1,793,974.00</u>	<u>389,480.00</u>
2,600,000.000	TOTAL US TREAS SEC STRIPPED	11/15/37	1,404,494.00		1,793,974.00	389,480.00
	US TREASURY BOND STRIPPED ZERO CPN DTD 11/15/13 11/15/2043 CUSIP 912834MZ8					
<u>1,900,000.000</u>	ALLISON TRANS-RYAN LABS	44.3430	<u>842,517.00</u>	58.7890	<u>1,116,991.00</u>	<u>274,474.00</u>
1,900,000.000	TOTAL US TREAS SEC STRIPPED	11/15/43	842,517.00		1,116,991.00	274,474.00

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	US TREASURY BOND STRIPPED ZERO CPN DTD 11/17/14 11/15/2044 CUSIP 912834PB8					
1,680,000.000	ALLISON TRANS-RYAN LABS	43.0440	723,139.20	57.3380	963,278.40	240,139.20
1,680,000.000	TOTAL US TREAS SEC STRIPPED 11/15/44		723,139.20		963,278.40	240,139.20
	US TREASURY BOND STRIPPED ZERO CPN DTD 11/16/15 11/15/2045 CUSIP 912834PT9					
2,510,000.000	ALLISON TRANS-RYAN LABS	41.7170	1,047,096.70	56.0040	1,405,700.40	358,603.70
2,510,000.000	TOTAL US TREAS SEC STRIPPED 11/15/2045		1,047,096.70		1,405,700.40	358,603.70
	US TREASURY BOND ZERO CPN DTD 05/15/09 0.000 11/15/2038 CUSIP 912834DU9					
2,925,000.000	ALLISON TRANS-RYAN LABS	52.3060	1,529,950.50	67.2220	1,966,243.50	436,293.00
2,925,000.000	TOTAL US TREASURY BOND 11/15/38		1,529,950.50		1,966,243.50	436,293.00
	US TREASURY BOND ZERO CPN DTD 11/15/10 11/15/2040 CUSIP 912834JH2					
3,450,000.000	ALLISON TRANS-RYAN LABS	48.9330	1,688,188.50	63.8180	2,201,721.00	513,532.50
3,450,000.000	TOTAL US TREASURY BOND 11/15/40		1,688,188.50		2,201,721.00	513,532.50
	US TREASURY BOND ZERO CPN DTD 11/15/12 0.000 11/15/2042 CUSIP 912834LX4					
3,165,000.000	ALLISON TRANS-RYAN LABS	45.8080	1,449,823.20	60.3720	1,910,773.80	460,950.60
3,165,000.000	TOTAL US TREASURY BOND 11/15/42		1,449,823.20		1,910,773.80	460,950.60
	TOTAL GOVT STRIPPED AND ZERO-COUPON		15,139,499.85		19,924,941.70	4,785,441.85
	MUNICIPAL TAXABLE BONDS					

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	CALIFORNIA ST BUILD AMERICA BONDS DTD 10/15/09 7.300 10/01/2039 CUSIP 13063A7D0					
215,000.000	ALLISON TRANS-RYAN LABS	137.5510	295,734.65	156.5160	336,509.40	40,774.75
215,000.000	TOTAL CALIFORNIA ST 7.300% 10/01/39		295,734.65		336,509.40	40,774.75
	UNIVERSITY CALIF REVS BUILD AMERICA BONDS DTD 09/30/10 5.946 05/15/2045 CUSIP 91412GDZ5					
205,000.000	ALLISON TRANS-RYAN LABS	125.4607	257,194.35	138.9660	284,880.30	27,685.95
205,000.000	TOTAL UNIVERSITY CALIF REV 5.946% 5/15/45		257,194.35		284,880.30	27,685.95
	TOTAL MUNICIPAL TAXABLE BONDS		552,929.00		621,389.70	68,460.70
	CORPORATE BONDS					
	ABBVIE INC DTD 05/14/15 3.200 11/06/2022 CUSIP 00287YAP4					
410,000.000	ALLISON TRANS-RYAN LABS	99.7788	409,093.20	102.5700	420,537.00	11,443.80
410,000.000	TOTAL ABBVIE INC 3.200% 11/06/22		409,093.20		420,537.00	11,443.80
	ACE INA HOLDINGS DTD 11/03/15 4.350 11/03/2045 CUSIP 00440EAW7					
265,000.000	ALLISON TRANS-RYAN LABS	103.2717	273,669.99	122.7240	325,218.60	51,548.61
265,000.000	TOTAL ACE INA HOLDINGS 4.350% 11/03/45		273,669.99		325,218.60	51,548.61
	ALIBABA GROUP HOLDING DTD 05/28/15 2.500 11/28/2019 CUSIP 01609WAC6					
320,000.000	ALLISON TRANS-RYAN LABS	99.4800	318,336.00	100.0170	320,054.40	1,718.40
320,000.000	TOTAL ALIBABA GROUP HOLDIN 2.500% 11/28/19		318,336.00		320,054.40	1,718.40

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	ALIBABA GROUP HOLDING DTD 05/28/15 3.600 11/28/2024 CUSIP 01609WAQ5					
410,000.000	ALLISON TRANS-RYAN LABS	98.3270	403,140.70	105.2170	431,389.70	28,249.00
410,000.000	TOTAL ALIBABA GROUP HOLDIN 3.600% 11/28/24		403,140.70		431,389.70	28,249.00
	ALLSTATE CORP DTD 12/08/16 4.200 12/15/2046 CUSIP 020002BC4					
395,000.000	ALLISON TRANS-RYAN LABS	97.1460	383,726.70	116.1350	458,733.25	75,006.55
395,000.000	TOTAL ALLSTATE CORP 4.200% 12/15/46		383,726.70		458,733.25	75,006.55
	AMAZON.COM INC DTD 02/22/18 3.875 08/22/2037 CUSIP 023135BF2					
235,000.000	ALLISON TRANS-RYAN LABS	97.9050	230,076.75	115.0530	270,374.55	40,297.80
235,000.000	TOTAL AMAZON.COM INC 3.875% 8/22/37		230,076.75		270,374.55	40,297.80
	AMEREN ILLINOIS CO DTD 11/28/17 3.700 12/01/2047 CUSIP 02361DAR1					
850,000.000	ALLISON TRANS-RYAN LABS	95.7969	814,273.45	108.6240	923,304.00	109,030.55
850,000.000	TOTAL AMEREN ILLINOIS CO 3.700% 12/01/47		814,273.45		923,304.00	109,030.55
	AMERICA MOVIL SAB DE CV DTD 07/16/12 3.125 07/16/2022 CUSIP 02364WBD6					
505,000.000	ALLISON TRANS-RYAN LABS	97.9190	494,490.95	102.5840	518,049.20	23,558.25
505,000.000	TOTAL AMERICA MOVIL SAB DE 3.125% 7/16/22		494,490.95		518,049.20	23,558.25
	AMERICAN EXPRESS CO DTD 02/22/19 3.400 02/22/2024 CUSIP 025816CC1					
80,000.000	ALLISON TRANS-RYAN LABS	99.8860	79,908.80	104.5840	83,667.20	3,758.40
80,000.000	TOTAL AMERICAN EXPRESS CO 3.400% 2/22/24		79,908.80		83,667.20	3,758.40

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	AMERIPRISE FINANCIAL INC DTD 08/11/16 2.875 09/15/2026 CUSIP 03076CAH9					
255,000.000	ALLISON TRANS-RYAN LABS	92.7820	236,594.10	102.2880	260,834.40	24,240.30
255,000.000	TOTAL AMERIPRISE FINANCIAL 2.875% 9/15/26		236,594.10		260,834.40	24,240.30
	AMGEN INC DTD 05/15/12 3.625 05/15/2022 CUSIP 031162BN9					
150,000.000	ALLISON TRANS-RYAN LABS	100.5200	150,780.00	103.4530	155,179.50	4,399.50
150,000.000	TOTAL AMGEN INC 3.625% 5/15/22		150,780.00		155,179.50	4,399.50
	ANHEUSER-BUSCH INBEV WOR DTD 01/23/19 4.150 01/23/2025 CUSIP 03523TBX5					
380,000.000	ALLISON TRANS-RYAN LABS	104.7060	397,882.80	109.2200	415,036.00	17,153.20
380,000.000	TOTAL ANHEUSER-BUSCH INBEV 4.150% 1/23/25		397,882.80		415,036.00	17,153.20
	ANTHEM INC DTD 11/21/17 3.650 12/01/2027 CUSIP 036752AB9					
390,000.000	ALLISON TRANS-RYAN LABS	94.9990	370,496.10	105.0790	409,808.10	39,312.00
390,000.000	TOTAL ANTHEM INC 3.650% 12/01/27		370,496.10		409,808.10	39,312.00
	APPLE INC DTD 02/09/17 3.350 02/09/2027 CUSIP 037833CJ7					
710,000.000	ALLISON TRANS-RYAN LABS	97.8220	694,536.20	106.9120	759,075.20	64,539.00
710,000.000	TOTAL APPLE INC 3.350% 2/09/27		694,536.20		759,075.20	64,539.00
	APPLE INC DTD 09/12/17 3.750 09/12/2047 CUSIP 037833DD9					
470,000.000	ALLISON TRANS-RYAN LABS	94.0120	441,856.40	111.6260	524,642.20	82,785.80
470,000.000	TOTAL APPLE INC 3.750% 9/12/47		441,856.40		524,642.20	82,785.80

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	APPLE INC DTD 05/13/15 4.375 05/13/2045 CUSIP 037833BH2					
740,000.000	ALLISON TRANS-RYAN LABS	105.1729	778,279.80	121.0590	895,836.60	117,556.80
740,000.000	TOTAL APPLE INC 4.375% 5/13/45		778,279.80		895,836.60	117,556.80
	AT&T INC DTD 05/04/15 3.400 05/15/2025 CUSIP 00206RCN0					
835,000.000	ALLISON TRANS-RYAN LABS	95.5766	798,064.65	104.3350	871,197.25	73,132.60
835,000.000	TOTAL AT&T INC 3.400% 5/15/25		798,064.65		871,197.25	73,132.60
	BAKER HUGHES LLC/CO-OBL DTD 12/11/17 4.080 12/15/2047 CUSIP 05723KAF7					
445,000.000	ALLISON TRANS-RYAN LABS	90.7510	403,841.95	100.6520	447,901.40	44,059.45
445,000.000	TOTAL BAKER HUGHES LLC/CO- 4.080% 12/15/47		403,841.95		447,901.40	44,059.45
	BANCO SANTANDER SA DTD 04/12/18 3.848 04/12/2023 CUSIP 05964HAG0					
245,000.000	ALLISON TRANS-RYAN LABS	99.0170	242,591.65	104.2090	255,312.05	12,720.40
245,000.000	TOTAL BANCO SANTANDER SA 3.848% 4/12/23		242,591.65		255,312.05	12,720.40
	BANK OF AMERICA CORP DTD 12/20/17 3.004 12/20/2023 CUSIP 06051GHC6					
867,000.000	ALLISON TRANS-RYAN LABS	97.0440	841,371.48	102.1270	885,441.09	44,069.61
867,000.000	TOTAL BANK OF AMERICA CORP 3.004% 12/20/23		841,371.48		885,441.09	44,069.61
	BERKSHIRE HATHAWAY FIN DTD 05/15/13 4.300 05/15/2043 CUSIP 084664BV2					
385,000.000	ALLISON TRANS-RYAN LABS	101.7971	391,918.95	117.8310	453,649.35	61,730.40
385,000.000	TOTAL BERKSHIRE HATHAWAY 4.300% 5/15/43		391,918.95		453,649.35	61,730.40

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	BOEING CO DEB DTD 07/07/93 7.2500 06/15/2025 CUSIP 097023AM7					
380,000.000	ALLISON TRANS-RYAN LABS	120.1300	456,494.00	125.1540	475,585.20	19,091.20
380,000.000	TOTAL BOEING CO DEB DTD 7.250% 6/15/25		456,494.00		475,585.20	19,091.20
	BP CAP MARKETS AMERICA DTD 11/04/18 3.119 05/04/2026 CUSIP 10373QAT7					
400,000.000	ALLISON TRANS-RYAN LABS	92.9710	371,884.00	104.2600	417,040.00	45,156.00
400,000.000	TOTAL BP CAP MARKETS AMERI 3.119% 5/04/26		371,884.00		417,040.00	45,156.00
	BP CAP MARKETS AMERICA DTD 10/14/18 3.224 04/14/2024 CUSIP 10373QAY6					
225,000.000	ALLISON TRANS-RYAN LABS	97.2560	218,826.00	103.9790	233,952.75	15,126.75
225,000.000	TOTAL BP CAP MARKETS AMERI 3.224% 4/14/24		218,826.00		233,952.75	15,126.75
	BURLINGTN NORTH SANTA FE DTD 08/22/13 5.150 09/01/2043 CUSIP 12189LAP6					
325,000.000	ALLISON TRANS-RYAN LABS	113.3972	368,541.05	127.9880	415,961.00	47,419.95
325,000.000	TOTAL BURLINGTN NORTH SANT 5.150% 9/01/43		368,541.05		415,961.00	47,419.95
	BURLINGTON RESOUR FINAN DTD 08/24/01 7.200 08/15/2031 CUSIP 12201PAB2					
265,000.000	ALLISON TRANS-RYAN LABS	127.2830	337,299.95	141.1350	374,007.75	36,707.80
265,000.000	TOTAL BURLINGTON RESOUR 7.200% 8/15/31		337,299.95		374,007.75	36,707.80
	CAPITAL ONE FINANCIAL CO DTD 01/29/19 3.900 01/29/2024 CUSIP 14040HCA1					
400,000.000	ALLISON TRANS-RYAN LABS	102.0810	408,324.00	105.6500	422,600.00	14,276.00
400,000.000	TOTAL CAPITAL ONE FINANCIA 3.900% 1/29/24		408,324.00		422,600.00	14,276.00

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	CHARLES SCHWAB CORP DTD 05/22/18 3.850 05/21/2025 CUSIP 808513AX3					
395,000.000	ALLISON TRANS-RYAN LABS	100.7070	397,792.65	107.8180	425,881.10	28,088.45
395,000.000	TOTAL CHARLES SCHWAB CORP 3.850% 5/21/25		397,792.65		425,881.10	28,088.45
	CNOOC FINANCE 2013 LTD DTD 05/09/13 3.000 05/09/2023 CUSIP 12625GAC8					
650,000.000	ALLISON TRANS-RYAN LABS	95.8300	622,895.00	101.5550	660,107.50	37,212.50
650,000.000	TOTAL CNOOC FINANCE 2013 3.000% 5/09/23		622,895.00		660,107.50	37,212.50
	COMCAST CORP DTD 07/19/16 2.350 01/15/2027 CUSIP 20030NBW0					
355,000.000	ALLISON TRANS-RYAN LABS	87.9920	312,371.60	99.5760	353,494.80	41,123.20
355,000.000	TOTAL COMCAST CORP 2.350% 1/15/27		312,371.60		353,494.80	41,123.20
	COMCAST CORP DTD 01/14/13 4.250 01/15/2033 CUSIP 20030NBH3					
567,000.000	ALLISON TRANS-RYAN LABS	98.0320	555,841.44	115.0080	652,095.36	96,253.92
567,000.000	TOTAL COMCAST CORP 4.250% 1/15/33		555,841.44		652,095.36	96,253.92
	COMCAST CORP DTD 10/05/18 4.600 10/15/2038 CUSIP 20030NCL3					
375,000.000	ALLISON TRANS-RYAN LABS	103.5940	388,477.50	119.4600	447,975.00	59,497.50
375,000.000	TOTAL COMCAST CORP 4.600% 10/15/38		388,477.50		447,975.00	59,497.50
	COMMONWEALTH EDISON CO DTD 03/02/15 3.700 03/01/2045 CUSIP 202795JF8					
510,000.000	ALLISON TRANS-RYAN LABS	91.9010	468,695.10	107.8520	550,045.20	81,350.10
510,000.000	TOTAL COMMONWEALTH EDISON 3.700% 3/01/45		468,695.10		550,045.20	81,350.10

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	CONS EDISON CO OF NY DTD 03/06/14 4.450 03/15/2044 CUSIP 209111F00					
260,000.000	ALLISON TRANS-RYAN LABS	102.3660	266,151.60	116.8830	303,895.80	37,744.20
260,000.000	TOTAL CONS EDISON CO OF NY 4.450% 3/15/44		266,151.60		303,895.80	37,744.20
	CONSUMERS ENERGY CO DTD 09/03/19 3.100 08/15/2050 CUSIP 210518DF0					
200,000.000	ALLISON TRANS-RYAN LABS	99.2910	198,582.00	100.7100	201,420.00	2,838.00
200,000.000	TOTAL CONSUMERS ENERGY CO 3.100% 8/15/50		198,582.00		201,420.00	2,838.00
	CVS HEALTH CORP DTD 08/15/19 3.000 08/15/2026 CUSIP 126650DF4					
445,000.000	ALLISON TRANS-RYAN LABS	100.4140	446,842.30	100.4960	447,207.20	364.90
445,000.000	TOTAL CVS HEALTH CORP 3.000% 8/15/26		446,842.30		447,207.20	364.90
	DOWDUPONT INC DTD 11/28/18 4.493 11/15/2025 CUSIP 26078JAC4					
345,000.000	ALLISON TRANS-RYAN LABS	101.2660	349,367.70	110.5110	381,262.95	31,895.25
345,000.000	TOTAL DOWDUPONT INC 4.493% 11/15/25		349,367.70		381,262.95	31,895.25
	DUKE ENERGY CAROLINAS DTD 11/17/16 2.950 12/01/2026 CUSIP 26442CAS3					
375,000.000	ALLISON TRANS-RYAN LABS	94.9640	356,115.00	103.6070	388,526.25	32,411.25
375,000.000	TOTAL DUKE ENERGY CAROLINA 2.950% 12/01/26		356,115.00		388,526.25	32,411.25
	DUKE ENERGY INDIANA LLC DTD 05/12/16 3.750 05/15/2046 CUSIP 26443TAA4					
360,000.000	ALLISON TRANS-RYAN LABS	91.4450	329,202.00	107.4330	386,758.80	57,556.80
360,000.000	TOTAL DUKE ENERGY INDIANA 3.750% 5/15/46		329,202.00		386,758.80	57,556.80

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	EL PASO PIPELINE PART OP DTD 09/20/11 5.000 10/01/2021 CUSIP 28370TAE9					
579,000.000	ALLISON TRANS-RYAN LABS	103.8980	601,569.42	104.5880	605,564.52	3,995.10
579,000.000	TOTAL EL PASO PIPELINE PAR 5.000% 10/01/21		601,569.42		605,564.52	3,995.10
	ENTERGY LOUISIANA LLC DTD 03/23/18 4.000 03/15/2033 CUSIP 29364WBA5					
350,000.000	ALLISON TRANS-RYAN LABS	100.2420	350,847.00	114.1530	399,535.50	48,688.50
350,000.000	TOTAL ENTERGY LOUISIANA LL 4.000% 3/15/33		350,847.00		399,535.50	48,688.50
	EQT CORP DTD 10/04/17 3.000 10/01/2022 CUSIP 26884LAE9					
405,000.000	ALLISON TRANS-RYAN LABS	96.5150	390,885.75	96.2650	389,873.25	1,012.50-
405,000.000	TOTAL EQT CORP 3.000% 10/01/22		390,885.75		389,873.25	1,012.50-
	EXXON MOBIL CORPORATION DTD 08/16/19 2.440 08/16/2029 CUSIP 30231GBE1					
365,000.000	ALLISON TRANS-RYAN LABS	100.7030	367,565.95	100.6400	367,336.00	229.95-
365,000.000	TOTAL EXXON MOBIL CORPORAT 2.440% 8/16/29		367,565.95		367,336.00	229.95-
	FLORIDA POWER & LIGHT CO DTD 05/15/14 3.250 06/01/2024 CUSIP 341081FK8					
240,000.000	ALLISON TRANS-RYAN LABS	98.5350	236,484.00	104.9790	251,949.60	15,465.60
240,000.000	TOTAL FLORIDA POWER & LIGH 3.250% 6/01/24		236,484.00		251,949.60	15,465.60
	FLORIDA POWER & LIGHT DTD 12/09/10 5.250 02/01/2041 CUSIP 341081FD4					
365,000.000	ALLISON TRANS-RYAN LABS	114.4350	417,687.75	131.0170	478,212.05	60,524.30
365,000.000	TOTAL FLORIDA POWER & LIGH 5.250% 2/01/41		417,687.75		478,212.05	60,524.30

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	FORD MOTOR CREDIT CO LLC DTD 11/02/17 2.343 11/02/2020 CUSIP 345397YS6					
530,000.000	ALLISON TRANS-RYAN LABS	97.2000	515,160.00	99.4140	526,894.20	11,734.20
530,000.000	TOTAL FORD MOTOR CREDIT CO 2.343% 11/02/20		515,160.00		526,894.20	11,734.20
	FORD MOTOR CREDIT CO LLC DTD 09/08/14 3.664 09/08/2024 CUSIP 345397WW9					
480,000.000	ALLISON TRANS-RYAN LABS	93.5150	448,872.00	98.4950	472,776.00	23,904.00
480,000.000	TOTAL FORD MOTOR CREDIT CO 3.664% 9/08/24		448,872.00		472,776.00	23,904.00
	FRANKLIN RESOURCES INC DTD 09/24/12 2.800 09/15/2022 CUSIP 354613AJ0					
220,000.000	ALLISON TRANS-RYAN LABS	97.2220	213,888.40	102.0900	224,598.00	10,709.60
220,000.000	TOTAL FRANKLIN RESOURCES 2.800% 9/15/22		213,888.40		224,598.00	10,709.60
	GEORGIA POWER COMPANY DTD 03/06/12 4.300 03/15/2042 CUSIP 373334JW2					
445,000.000	ALLISON TRANS-RYAN LABS	94.9660	422,598.70	109.9330	489,201.85	66,603.15
445,000.000	TOTAL GEORGIA POWER COMPAN 4.300% 3/15/42		422,598.70		489,201.85	66,603.15
	GILEAD SCIENCES INC DTD 09/20/16 4.000 09/01/2036 CUSIP 375558BJ1					
335,000.000	ALLISON TRANS-RYAN LABS	96.3380	322,732.30	111.8490	374,694.15	51,961.85
335,000.000	TOTAL GILEAD SCIENCES INC 4.000% 9/01/36		322,732.30		374,694.15	51,961.85
	GOLDMAN SACHS GROUP INC DTD 01/24/12 5.750 01/24/2022 CUSIP 38141GGS7					
695,000.000	ALLISON TRANS-RYAN LABS	106.7467	741,889.45	107.7390	748,786.05	6,896.60
695,000.000	TOTAL GOLDMAN SACHS GROUP 5.750% 1/24/22		741,889.45		748,786.05	6,896.60

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	HOME DEPOT INC DTD 12/06/18 4.500 12/06/2048 CUSIP 437076BX9					
<u>370,000.000</u>	ALLISON TRANS-RYAN LABS	104.4080	<u>386,309.60</u>	124.8980	<u>462,122.60</u>	<u>75,813.00</u>
370,000.000	TOTAL HOME DEPOT INC 4.500% 12/06/48		386,309.60		462,122.60	75,813.00
	INTEL CORP DTD 07/29/15 3.700 07/29/2025 CUSIP 458140AS9					
<u>190,000.000</u>	ALLISON TRANS-RYAN LABS	100.6700	<u>191,273.00</u>	108.3590	<u>205,882.10</u>	<u>14,609.10</u>
190,000.000	TOTAL INTEL CORP 3.700% 7/29/25		191,273.00		205,882.10	14,609.10
	INTEL CORP DTD 06/08/18 3.734 12/08/2047 CUSIP 458140BG4					
<u>815,000.000</u>	ALLISON TRANS-RYAN LABS	95.9720	<u>782,172.20</u>	111.5190	<u>908,879.85</u>	<u>126,707.65</u>
815,000.000	TOTAL INTEL CORP 3.734% 12/08/47		782,172.20		908,879.85	126,707.65
	JOHN DEERE CAPITAL CORP MED TERM NOTE DTD 06/10/16 2.650 06/10/2026 CUSIP 24422ETH2					
<u>130,000.000</u>	ALLISON TRANS-RYAN LABS	92.8410	<u>120,693.30</u>	102.9540	<u>133,840.20</u>	<u>13,146.90</u>
130,000.000	TOTAL JOHN DEERE CAPITAL 2.650% 6/10/26		120,693.30		133,840.20	13,146.90
	JOHN DEERE CAPITAL CORP DTD 07/18/19 2.800 07/18/2029 CUSIP 24422EUY3					
<u>360,000.000</u>	ALLISON TRANS-RYAN LABS	102.8064	<u>370,103.20</u>	102.6770	<u>369,637.20</u>	<u>466.00-</u>
360,000.000	TOTAL JOHN DEERE CAPITAL 2.800% 7/18/29		370,103.20		369,637.20	466.00-
	JOHNSON & JOHNSON DTD 11/10/17 3.500 01/15/2048 CUSIP 478160CM4					
<u>415,000.000</u>	ALLISON TRANS-RYAN LABS	91.6240	<u>380,239.60</u>	109.9820	<u>456,425.30</u>	<u>76,185.70</u>
415,000.000	TOTAL JOHNSON & JOHNSON 3.500% 1/15/48		380,239.60		456,425.30	76,185.70

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	JOHNSON & JOHNSON DTD 12/05/13 4.375 12/05/2033 CUSIP 478160BJ2					
225,000.000	ALLISON TRANS-RYAN LABS	106.4240	239,454.00	118.8500	267,412.50	27,958.50
225,000.000	TOTAL JOHNSON & JOHNSON 4.375% 12/05/33		239,454.00		267,412.50	27,958.50
	JPMORGAN CHASE & CO DTD 09/24/12 3.250 09/23/2022 CUSIP 46625HJE1					
455,000.000	ALLISON TRANS-RYAN LABS	99.1160	450,977.80	103.3600	470,288.00	19,310.20
455,000.000	TOTAL JPMORGAN CHASE & CO 3.250% 9/23/22		450,977.80		470,288.00	19,310.20
	JPMORGAN CHASE & CO DTD 07/21/15 3.900 07/15/2025 CUSIP 46625HMN7					
700,000.000	ALLISON TRANS-RYAN LABS	99.9650	699,755.00	107.8170	754,719.00	54,964.00
700,000.000	TOTAL JPMORGAN CHASE & CO 3.900% 7/15/25		699,755.00		754,719.00	54,964.00
	KEYCORP MED TERM NOTE DTD 03/24/11 5.100 03/24/2021 CUSIP 49326EED1					
325,000.000	ALLISON TRANS-RYAN LABS	104.0290	338,094.25	104.1740	338,565.50	471.25
325,000.000	TOTAL KEYCORP 5.100% 3/24/21		338,094.25		338,565.50	471.25
	KIMBERLY-CLARK CORP DTD 05/04/17 3.900 05/04/2047 CUSIP 494368BW2					
245,000.000	ALLISON TRANS-RYAN LABS	95.7480	234,582.60	114.9670	281,669.15	47,086.55
245,000.000	TOTAL KIMBERLY-CLARK CORP 3.900% 5/04/47		234,582.60		281,669.15	47,086.55
	KIMCO REALTY CORP DTD 08/18/16 2.800 10/01/2026 CUSIP 49446RAP4					
355,000.000	ALLISON TRANS-RYAN LABS	98.8570	350,942.35	100.5540	356,966.70	6,024.35
355,000.000	TOTAL KIMCO REALTY CORP 2.800% 10/01/26		350,942.35		356,966.70	6,024.35

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	LOEWS CORP DTD 03/22/16 3.750 04/01/2026 CUSIP 540424AS7					
480,000.000	ALLISON TRANS-RYAN LABS	100.9017	484,328.10	107.0550	513,864.00	29,535.90
480,000.000	TOTAL LOEWS CORP 3.750% 4/01/26		484,328.10		513,864.00	29,535.90
	LOWE'S COS INC DTD 05/03/17 3.100 05/03/2027 CUSIP 548661DP9					
365,000.000	ALLISON TRANS-RYAN LABS	95.4340	348,334.10	103.2220	376,760.30	28,426.20
365,000.000	TOTAL LOWE'S COS INC 3.100% 5/03/27		348,334.10		376,760.30	28,426.20
	MANUF & TRADERS TRUST CO DTD 08/17/17 3.400 08/17/2027 CUSIP 55279HAQ3					
345,000.000	ALLISON TRANS-RYAN LABS	96.0680	331,434.60	107.2670	370,071.15	38,636.55
345,000.000	TOTAL MANUF & TRADERS TRUS 3.400% 8/17/27		331,434.60		370,071.15	38,636.55
	MARATHON PETROLEUM CORP DTD 10/02/18 4.750 12/15/2023 CUSIP 56585ABA9					
400,000.000	ALLISON TRANS-RYAN LABS	105.9290	423,716.00	108.4720	433,888.00	10,172.00
400,000.000	TOTAL MARATHON PETROLEUM 4.750% 12/15/23		423,716.00		433,888.00	10,172.00
	MASTERCARD INC DTD 05/31/19 3.650 06/01/2049 CUSIP 57636QAL8					
575,000.000	ALLISON TRANS-RYAN LABS	105.8728	608,768.35	113.2730	651,319.75	42,551.40
575,000.000	TOTAL MASTERCARD INC 3.650% 6/01/49		608,768.35		651,319.75	42,551.40
	MEDTRONIC INC DTD 03/15/15 4.375 03/15/2035 CUSIP 585055BT2					
301,000.000	ALLISON TRANS-RYAN LABS	103.4170	311,285.17	120.3440	362,235.44	50,950.27
301,000.000	TOTAL MEDTRONIC INC 4.375% 3/15/35		311,285.17		362,235.44	50,950.27

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	MICROSOFT CORP DTD 11/03/15 3.125 11/03/2025 CUSIP 594918BJ2					
455,000.000	ALLISON TRANS-RYAN LABS	97.8860	445,381.30	106.3280	483,792.40	38,411.10
455,000.000	TOTAL MICROSOFT CORP 3.125% 11/03/25		445,381.30		483,792.40	38,411.10
	MICROSOFT CORP DTD 02/06/17 4.250 02/06/2047 CUSIP 594918CA0					
720,000.000	ALLISON TRANS-RYAN LABS	106.6760	768,066.90	124.0620	893,246.40	125,179.50
720,000.000	TOTAL MICROSOFT CORP 4.250% 2/06/47		768,066.90		893,246.40	125,179.50
	MIDAMERICAN ENERGY CO DTD 04/03/14 3.500 10/15/2024 CUSIP 595620AM7					
500,000.000	ALLISON TRANS-RYAN LABS	99.8510	499,255.00	106.3910	531,955.00	32,700.00
500,000.000	TOTAL MIDAMERICAN ENERGY 3.500% 10/15/24		499,255.00		531,955.00	32,700.00
	MIDAMERICAN ENERGY CO DTD 09/19/13 4.800 09/15/2043 CUSIP 595620AL9					
355,000.000	ALLISON TRANS-RYAN LABS	108.2570	384,312.35	125.2940	444,793.70	60,481.35
355,000.000	TOTAL MIDAMERICAN ENERGY 4.800% 9/15/43		384,312.35		444,793.70	60,481.35
	MORGAN STANLEY DTD 05/19/17 2.750 05/19/2022 CUSIP 61744YAH1					
85,000.000	ALLISON TRANS-RYAN LABS	99.3930	84,484.05	101.4520	86,234.20	1,750.15
85,000.000	TOTAL MORGAN STANLEY 2.750% 5/19/22		84,484.05		86,234.20	1,750.15
	NATIONAL RURAL UTIL COOP DTD 04/25/17 3.050 04/25/2027 CUSIP 637432NN1					
665,000.000	ALLISON TRANS-RYAN LABS	94.4960	628,398.40	104.4970	694,905.05	66,506.65
665,000.000	TOTAL NATIONAL RURAL UTIL 3.050% 4/25/27		628,398.40		694,905.05	66,506.65

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	OMNICOM GROUP INC DTD 04/23/12 3.625 05/01/2022 CUSIP 681919AZ9					
580,000.000	ALLISON TRANS-RYAN LABS	99.2859	575,857.95	103.6070	600,920.60	25,062.65
580,000.000	TOTAL OMNICOM GROUP INC 3.625% 5/01/22		575,857.95		600,920.60	25,062.65
	ORACLE CORP DTD 04/09/08 6.500 04/15/2038 CUSIP 68389XAE5					
360,000.000	ALLISON TRANS-RYAN LABS	128.3930	462,214.80	143.1520	515,347.20	53,132.40
360,000.000	TOTAL ORACLE CORP 6.500% 4/15/38		462,214.80		515,347.20	53,132.40
	PACIFICORP DTD 10/03/07 6.250 10/15/2037 CUSIP 695114CG1					
305,000.000	ALLISON TRANS-RYAN LABS	126.0680	384,507.40	140.6790	429,070.95	44,563.55
305,000.000	TOTAL PACIFICORP 6.250% 10/15/37		384,507.40		429,070.95	44,563.55
	PEPSICO INC DTD 10/14/15 4.450 04/14/2046 CUSIP 713448DD7					
400,000.000	ALLISON TRANS-RYAN LABS	105.4080	421,632.00	124.5780	498,312.00	76,680.00
400,000.000	TOTAL PEPSICO INC 4.450% 4/14/46		421,632.00		498,312.00	76,680.00
	PFIZER INC DTD 03/11/19 4.000 03/15/2049 CUSIP 717081EV1					
390,000.000	ALLISON TRANS-RYAN LABS	102.2109	398,622.55	115.4320	450,184.80	51,562.25
390,000.000	TOTAL PFIZER INC 4.000% 3/15/49		398,622.55		450,184.80	51,562.25
	PNC BANK NA DTD 07/26/18 4.050 07/26/2028 CUSIP 69349LAR9					
400,000.000	ALLISON TRANS-RYAN LABS	100.0790	400,316.00	110.3550	441,420.00	41,104.00
400,000.000	TOTAL PNC BANK NA 4.050% 7/26/28		400,316.00		441,420.00	41,104.00

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	PPL CAPITAL FUNDING INC DTD 06/14/12 4.200 06/15/2022 CUSIP 69352PAD5					
420,000.000	ALLISON TRANS-RYAN LABS	104.2280	437,757.60	104.5110	438,946.20	1,188.60
420,000.000	TOTAL PPL CAPITAL FUNDING 4.200% 6/15/22		437,757.60		438,946.20	1,188.60
	PPL ELECTRIC UTILITIES DTD 07/11/13 4.750 07/15/2043 CUSIP 69351UAR4					
355,000.000	ALLISON TRANS-RYAN LABS	106.5620	378,295.10	123.8390	439,628.45	61,333.35
355,000.000	TOTAL PPL ELECTRIC UTILITI 4.750% 7/15/43		378,295.10		439,628.45	61,333.35
	PUBLIC SERVICE ELECTRIC MED TERM NOTE DTD 05/04/18 3.700 05/01/2028 CUSIP 744560BU9					
775,000.000	ALLISON TRANS-RYAN LABS	99.3670	770,094.25	109.4190	847,997.25	77,903.00
775,000.000	TOTAL PUBLIC SERVICE ELECT 3.700% 5/01/28		770,094.25		847,997.25	77,903.00
	QUALCOMM INC DTD 05/26/17 3.250 05/20/2027 CUSIP 747525AU7					
505,000.000	ALLISON TRANS-RYAN LABS	94.1130	475,270.65	104.4200	527,321.00	52,050.35
505,000.000	TOTAL QUALCOMM INC 3.250% 5/20/27		475,270.65		527,321.00	52,050.35
	RAYTHEON COMPANY DTD 10/20/10 4.875 10/15/2040 CUSIP 755111BU4					
180,000.000	ALLISON TRANS-RYAN LABS	111.6600	200,988.00	126.0930	226,967.40	25,979.40
180,000.000	TOTAL RAYTHEON COMPANY 4.875% 10/15/40		200,988.00		226,967.40	25,979.40
	REGENCY ENERGY PARTNERS DTD 11/01/13 4.500 11/01/2023 CUSIP 75886AAJ7					
505,000.000	ALLISON TRANS-RYAN LABS	101.3580	511,857.90	105.8850	534,719.25	22,861.35
505,000.000	TOTAL REGENCY ENERGY PARTN 4.500% 11/01/23		511,857.90		534,719.25	22,861.35

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	SHELL INTERNATIONAL FIN DTD 09/12/16 2.500 09/12/2026 CUSIP 822582BX9					
260,000.000	ALLISON TRANS-RYAN LABS	92.2610	239,878.60	101.6240	264,222.40	24,343.80
260,000.000	TOTAL SHELL INTERNATIONAL 2.500% 9/12/26		239,878.60		264,222.40	24,343.80
	SHIRE ACQ INV IRELAND DA DTD 09/23/16 2.400 09/23/2021 CUSIP 82481LAB5					
450,000.000	ALLISON TRANS-RYAN LABS	97.1021	436,959.50	100.4630	452,083.50	15,124.00
450,000.000	TOTAL SHIRE ACQ INV IRELAN 2.400% 9/23/21		436,959.50		452,083.50	15,124.00
	SIMON PROPERTY GROUP LP DTD 06/01/17 3.375 06/15/2027 CUSIP 828807DC8					
365,000.000	ALLISON TRANS-RYAN LABS	95.8170	349,732.05	105.5560	385,279.40	35,547.35
365,000.000	TOTAL SIMON PROPERTY GROUP 3.375% 6/15/27		349,732.05		385,279.40	35,547.35
	SOUTHERN CAL EDISON DTD 03/24/17 4.000 04/01/2047 CUSIP 842400GG2					
195,000.000	ALLISON TRANS-RYAN LABS	93.9300	183,163.50	107.2420	209,121.90	25,958.40
195,000.000	TOTAL SOUTHERN CAL EDISON 4.000% 4/01/47		183,163.50		209,121.90	25,958.40
	SOUTHERN CAL EDISON DTD 10/02/13 4.650 10/01/2043 CUSIP 842400FZ1					
370,000.000	ALLISON TRANS-RYAN LABS	103.8490	384,241.30	115.2380	426,380.60	42,139.30
370,000.000	TOTAL SOUTHERN CAL EDISON 4.650% 10/01/43		384,241.30		426,380.60	42,139.30
	SOUTHWESTERN PUBLIC SERV DTD 11/05/18 4.400 11/15/2048 CUSIP 845743BS1					
335,000.000	ALLISON TRANS-RYAN LABS	99.3550	332,839.25	119.5570	400,515.95	67,676.70
335,000.000	TOTAL SOUTHWESTERN PUBLIC 4.400% 11/15/48		332,839.25		400,515.95	67,676.70

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	SOUTHWESTERN PUBLIC SERV DTD 08/10/11 4.500 08/15/2041 CUSIP 845743BN2					
440,000.000	ALLISON TRANS-RYAN LABS	102.6080	451,475.20	117.6830	517,805.20	66,330.00
440,000.000	TOTAL SOUTHWESTERN PUBLIC 4.500% 8/15/41		451,475.20		517,805.20	66,330.00
	SPECTRA ENERGY PARTNERS DTD 09/25/13 4.750 03/15/2024 CUSIP 84756NAD1					
385,000.000	ALLISON TRANS-RYAN LABS	105.5860	406,506.10	108.9370	419,407.45	12,901.35
385,000.000	TOTAL SPECTRA ENERGY PARTN 4.750% 3/15/24		406,506.10		419,407.45	12,901.35
	STATOIL ASA DTD 05/15/13 3.950 05/15/2043 CUSIP 85771PAL6					
350,000.000	ALLISON TRANS-RYAN LABS	97.4170	340,959.50	114.1420	399,497.00	58,537.50
350,000.000	TOTAL STATOIL ASA 3.950% 5/15/43		340,959.50		399,497.00	58,537.50
	STRYKER CORP DTD 01/15/10 4.375 01/15/2020 CUSIP 863667AB7					
230,000.000	ALLISON TRANS-RYAN LABS	101.5990	233,677.70	100.6050	231,391.50	2,286.20-
230,000.000	TOTAL STRYKER CORP 4.375% 1/15/20		233,677.70		231,391.50	2,286.20-
	TORONTO-DOMINION BANK DTD 07/19/18 3.500 07/19/2023 CUSIP 89114QC48					
415,000.000	ALLISON TRANS-RYAN LABS	99.8150	414,232.25	105.4520	437,625.80	23,393.55
415,000.000	TOTAL TORONTO-DOMINION BAN 3.500% 7/19/23		414,232.25		437,625.80	23,393.55
	UNION ELECTRIC CO DTD 06/15/17 2.950 06/15/2027 CUSIP 906548CM2					
200,000.000	ALLISON TRANS-RYAN LABS	94.5160	189,032.00	103.7120	207,424.00	18,392.00
200,000.000	TOTAL UNION ELECTRIC CO 2.950% 6/15/27		189,032.00		207,424.00	18,392.00

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	UNION PACIFIC CORP DTD 06/08/18 3.750 07/15/2025 CUSIP 907818ES3					
400,000.000	ALLISON TRANS-RYAN LABS	100.0060	400,024.00	107.6980	430,792.00	30,768.00
400,000.000	TOTAL UNION PACIFIC CORP 3.750% 7/15/25		400,024.00		430,792.00	30,768.00
	UNITED PARCEL SERVICE DTD 11/14/17 3.750 11/15/2047 CUSIP 911312BN5					
440,000.000	ALLISON TRANS-RYAN LABS	92.5790	407,347.60	106.6450	469,238.00	61,890.40
440,000.000	TOTAL UNITED PARCEL SERVIC 3.750% 11/15/47		407,347.60		469,238.00	61,890.40
	UNITEDHEALTH GROUP INC DTD 07/23/15 4.625 07/15/2035 CUSIP 91324PCQ3					
185,000.000	ALLISON TRANS-RYAN LABS	106.4490	196,930.65	120.8490	223,570.65	26,640.00
185,000.000	TOTAL UNITEDHEALTH GROUP 4.625% 7/15/35		196,930.65		223,570.65	26,640.00
	VENTAS REALTY LP DTD 03/29/17 3.100 01/15/2023 CUSIP 92277GAK3					
100,000.000	ALLISON TRANS-RYAN LABS	97.1020	97,102.00	102.5420	102,542.00	5,440.00
100,000.000	TOTAL VENTAS REALTY LP 3.100% 1/15/23		97,102.00		102,542.00	5,440.00
	VERIZON COMMUNICATIONS DTD 06/03/19 4.016 12/03/2029 CUSIP 92343VEU4					
499,000.000	ALLISON TRANS-RYAN LABS	111.0930	554,354.07	111.1330	554,553.67	199.60
499,000.000	TOTAL VERIZON COMMUNICATIO 4.016% 12/03/29		554,354.07		554,553.67	199.60
	VISA INC DTD 12/14/15 3.150 12/14/2025 CUSIP 92826CAD4					
230,000.000	ALLISON TRANS-RYAN LABS	96.9620	223,012.60	106.5870	245,150.10	22,137.50
230,000.000	TOTAL VISA INC 3.150% 12/14/25		223,012.60		245,150.10	22,137.50

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	CITIGROUP INC DTD 01/24/18 01/24/2023 CUSIP 172967LV1					
800,000.000	ALLISON TRANS-RYAN LABS	98.0760	784,608.00	101.8220	814,576.00	29,968.00
800,000.000	TOTAL VR CITIGROUP INC 3.142% 1/24/23		784,608.00		814,576.00	29,968.00
	JPMORGAN CHASE & CO DTD 07/24/17 07/24/2038 CUSIP 46647PAJ5					
630,000.000	ALLISON TRANS-RYAN LABS	93.3990	588,413.70	110.4850	696,055.50	107,641.80
630,000.000	TOTAL VR JPMORGAN CHASE & 3.882% 7/24/38		588,413.70		696,055.50	107,641.80
	MIZUHO FINANCIAL GROUP DTD 07/16/19 07/16/2023 CUSIP 60687YAV1					
270,000.000	ALLISON TRANS-RYAN LABS	100.4890	271,320.30	100.8330	272,249.10	928.80
270,000.000	TOTAL VR MIZUHO FINANCIAL 2.721% 7/16/23		271,320.30		272,249.10	928.80
	MORGAN STANLEY DTD 04/24/18 04/24/2024 CUSIP 61744YAQ1					
720,000.000	ALLISON TRANS-RYAN LABS	99.1510	713,887.20	104.4360	751,939.20	38,052.00
720,000.000	TOTAL VR MORGAN STANLEY 3.737% 4/24/24		713,887.20		751,939.20	38,052.00
	WAL-MART STORES INC DTD 10/20/17 3.625 12/15/2047 CUSIP 931142DW0					
335,000.000	ALLISON TRANS-RYAN LABS	93.5880	313,519.80	112.3320	376,312.20	62,792.40
335,000.000	TOTAL WAL-MART STORES INC 3.625% 12/15/47		313,519.80		376,312.20	62,792.40
	WELLS FARGO & CO DTD 02/07/05 5.375 02/07/2035 CUSIP 949746JM4					
375,000.000	ALLISON TRANS-RYAN LABS	111.7880	419,205.00	127.9110	479,666.25	60,461.25
375,000.000	TOTAL WELLS FARGO & CO 5.375% 2/07/35		419,205.00		479,666.25	60,461.25

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	WELLS FARGO & COMPANY DTD 02/13/13 3.450 02/13/2023 CUSIP 94974BFJ4					
455,000.000	ALLISON TRANS-RYAN LABS	98.2290	446,941.95	103.2710	469,883.05	22,941.10
455,000.000	TOTAL WELLS FARGO & COMPAN 3.450% 2/13/23		446,941.95		469,883.05	22,941.10
	WELLS FARGO & COMPANY DTD 03/08/12 3.500 03/08/2022 CUSIP 94974BFC9					
845,000.000	ALLISON TRANS-RYAN LABS	99.8560	843,783.20	103.1870	871,930.15	28,146.95
845,000.000	TOTAL WELLS FARGO & COMPAN 3.500% 3/08/22		843,783.20		871,930.15	28,146.95
	WELLS FARGO & COMPANY MED TERM NOTE DTD 07/22/15 4.300 07/22/2027 CUSIP 94974BGL8					
250,000.000	ALLISON TRANS-RYAN LABS	99.6210	249,052.50	109.5620	273,905.00	24,852.50
250,000.000	TOTAL WELLS FARGO & COMPAN 4.300% 7/22/27		249,052.50		273,905.00	24,852.50
	WELLTOWER INC DTD 02/15/19 3.625 03/15/2024 CUSIP 95040QAG9					
345,000.000	ALLISON TRANS-RYAN LABS	100.9640	348,325.80	104.9900	362,215.50	13,889.70
345,000.000	TOTAL WELLTOWER INC 3.625% 3/15/24		348,325.80		362,215.50	13,889.70
	WESTAR ENERGY INC DTD 03/06/17 3.100 04/01/2027 CUSIP 95709TAP5					
330,000.000	ALLISON TRANS-RYAN LABS	94.8920	313,143.60	104.5490	345,011.70	31,868.10
330,000.000	TOTAL WESTAR ENERGY INC 3.100% 4/01/27		313,143.60		345,011.70	31,868.10
	TOTAL CORPORATE BONDS		47,452,258.57		51,843,132.23	4,390,873.66
	CORPORATE BACKED OBLIGATION					

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	AMERICREDIT AUTOMOBILE RECEIVA SER 2017-3 CL D *0 DAY DELAY* DTD 08/16/17 3.180 07/18/2023 CUSIP 03065HAG3					
455,000.000	ALLISON TRANS-RYAN LABS	98.4050	447,742.75	101.1570	460,264.35	12,521.60
455,000.000	TOTAL AMERICREDIT AUTOMOB 3.180% 7/18/23		447,742.75		460,264.35	12,521.60
	CHRYSLER CAPITAL AUTO RECEIVAB SER 2016-BA CL D *0 DAY DELAY* 144A PRIV PLCMT 3.510 09/15/2023 CUSIP 17119BAG2					
390,000.000	ALLISON TRANS-RYAN LABS	98.8530	385,526.70	101.5850	396,181.50	10,654.80
390,000.000	TOTAL CHRYSLER CAPITAL AUT 3.510% 9/15/23		385,526.70		396,181.50	10,654.80
	HERTZ VEHICLE FINANCING LLC SER 2016-4A CL A *0 DAY DELAY* 144A PRIV PLCMT 2.650 07/15/2022 CUSIP 42806DBC2					
320,000.000	ALLISON TRANS-RYAN LABS	97.2812	311,300.00	100.3530	321,129.60	9,829.60
320,000.000	TOTAL HERTZ VEHICLE FINANC 2.650% 7/15/22		311,300.00		321,129.60	9,829.60
	SIERRA RECEIVABLES FUNDING CO SER 2016-3A CL B *0 DAY DELAY* 144A PRIV PLCMT 2.630 10/20/2033 CUSIP 82652YAB0					
93,593.310	ALLISON TRANS-RYAN LABS	96.8290	90,625.46	99.6680	93,282.58	2,657.12
93,593.310	TOTAL SIERRA RECEIVABLES 2.630% 10/20/33		90,625.46		93,282.58	2,657.12
	FINANCE AMER STRUCTURED SECS TR JR2 SER 2019-JR3 SER 2019-JR3 CL A *0 DAY DELAY* 144A PRIV PLCMT 09/25/2069 CUSIP 31739LAA4					
400,000.000	ALLISON TRANS-RYAN LABS	101.1201	404,480.40	101.1201	404,480.40	0.00
400,000.000	TOTAL VR FINANCE AMER STRU 1.000% 9/25/69		404,480.40		404,480.40	0.00
	TOTAL CORPORATE BACKED OBLIGATION		1,639,675.31		1,675,338.43	35,663.12
	MORTGAGE BACKED OBLIGATION					

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PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	CREDIT SUISSE MORTGAGE TRUST SER 2014-USA CL D *14 DAY DELAY* 144A PRIV PLCMT 4.373 09/15/2037 CUSIP 12649AAN9					
<u>230,000.000</u>	ALLISON TRANS-RYAN LABS	94.8830	<u>218,230.90</u>	99.6090	<u>229,100.70</u>	<u>10,869.80</u>
230,000.000	TOTAL CREDIT SUISSE MORTG 4.3733% 9/15/37		218,230.90		229,100.70	10,869.80
	GOVT NATL MTG ASSN SER 2018-47 CL CA *15 DAY DELAY* DTD 03/01/18 2.500 01/16/2049 CUSIP 38380JVK1					
<u>378,545.520</u>	ALLISON TRANS-RYAN LABS	95.7060	<u>362,290.76</u>	100.7410	<u>381,350.54</u>	<u>19,059.78</u>
378,545.520	TOTAL GOVT NATL MTG ASSN 2.500% 1/16/49		362,290.76		381,350.54	19,059.78
	GOVT NATL MTG ASSN SER 2018-26 CL AD *15 DAY DELAY* DTD 02/01/18 2.500 03/16/2052 CUSIP 38380JPZ5					
<u>266,537.440</u>	ALLISON TRANS-RYAN LABS	95.2020	<u>253,748.99</u>	100.0430	<u>266,652.05</u>	<u>12,903.06</u>
266,537.440	TOTAL GOVT NATL MTG ASSN 2.500% 3/16/52		253,748.99		266,652.05	12,903.06
	GOVT NATL MTG ASSN SER 2017-44 CL B *15 DAY DELAY* DTD 03/01/17 2.600 04/17/2050 CUSIP 38379RPQ0					
<u>200,000.000</u>	ALLISON TRANS-RYAN LABS	85.3690	<u>170,738.00</u>	98.4480	<u>196,896.00</u>	<u>26,158.00</u>
200,000.000	TOTAL GOVT NATL MTG ASSN 2.600% 4/17/50		170,738.00		196,896.00	26,158.00
	GOVT NATL MTG ASSN SER 2017-41 CL B *15 DAY DELAY* DTD 03/01/17 2.600 06/16/2057 CUSIP 38379RPC1					
<u>180,000.000</u>	ALLISON TRANS-RYAN LABS	86.2800	<u>155,304.00</u>	98.8960	<u>178,012.80</u>	<u>22,708.80</u>
180,000.000	TOTAL GOVT NATL MTG ASSN 2.600% 6/16/57		155,304.00		178,012.80	22,708.80

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	GOVT NATL MTG ASSN SER 2017-106 CL AE *15 DAY DELAY* DTD 07/01/17 2.600 12/16/2056 CUSIP 38379RT37					
280,000.000	ALLISON TRANS-RYAN LABS	86.5560	242,356.80	98.8760	276,852.80	34,496.00
280,000.000	TOTAL GOVT NATL MTG ASSN 2.600% 12/16/56		242,356.80		276,852.80	34,496.00
	GOVT NATL MTG ASSN SER 2018-157 CL AM *15 DAY DELAY* DTD 11/01/18 3.000 11/16/2060 CUSIP 38380MWS6					
377,758.250	ALLISON TRANS-RYAN LABS	92.2812	348,600.02	101.1940	382,268.68	33,668.66
377,758.250	TOTAL GOVT NATL MTG ASSN 3.000% 11/16/60		348,600.02		382,268.68	33,668.66
	GS MORTGAGE SECURITIES TRUST SER 2019-GC42 CL A4 *9 DAY DELAY* DTD 09/01/19 3.001 09/01/2052 CUSIP 36257UAL1					
360,000.000	ALLISON TRANS-RYAN LABS	102.9992	370,797.12	104.2470	375,289.20	4,492.08
360,000.000	TOTAL GS MORTGAGE SECURIT 3.0005% 9/01/52		370,797.12		375,289.20	4,492.08
	JP MORGAN CHASE COMMERCIAL MOR SER 2017-JP7 CL C *14 DAY DELAY* DTD 07/01/17 3.807 09/15/2050 CUSIP 465968AL9					
240,000.000	ALLISON TRANS-RYAN LABS	94.3680	226,483.20	103.4270	248,224.80	21,741.60
240,000.000	TOTAL JP MORGAN CHASE CO 3.80685% 9/15/50		226,483.20		248,224.80	21,741.60
	CSAIL COMMERCIAL MORTGAGE TRUS SER 2015-C3 CL B *14 DAY DELAY* DTD 08/01/15 08/15/2048 CUSIP 12635FAY0					
400,000.000	ALLISON TRANS-RYAN LABS	99.1900	396,760.00	105.3780	421,512.00	24,752.00
400,000.000	TOTAL VR CSAIL COMMERCIA 4.2496% 8/15/48		396,760.00		421,512.00	24,752.00

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	FED HOME LN MTG CORP SER 2016-K53 CL C *24 DAY DELAY* 144A PRIV PLCMT 03/25/2049 CUSIP 30288LA06					
250,000.000	ALLISON TRANS-RYAN LABS	96.7620	241,905.00	103.3580	258,395.00	16,490.00
250,000.000	TOTAL VR FED HOME LN MTG 4.15668% 3/25/49		241,905.00		258,395.00	16,490.00
	JP MORGAN CHASE COMMERCIAL MOR SER 2016-NINE CL A *5 DAY DELAY* 144A PRIV PLCMT 10/06/2038 CUSIP 46646GAA5					
460,000.000	ALLISON TRANS-RYAN LABS	93.7100	431,066.00	103.1190	474,347.40	43,281.40
460,000.000	TOTAL VR JP MORGAN CHASE 2.8541% 10/06/38		431,066.00		474,347.40	43,281.40
	JP MORGAN CHASE COMMERCIAL MOR SER 2015-FRR2 CL AK39 *26 DAY DELAY* 144A PRIV PLCMT 08/27/2047 CUSIP 46644KAG5					
430,000.000	ALLISON TRANS-RYAN LABS	88.7344	381,557.81	97.9010	420,974.30	39,416.49
430,000.000	TOTAL VR JP MORGAN CHASE 2.94032% 8/27/47		381,557.81		420,974.30	39,416.49
	SFAVE COMMERCIAL MORTGAGE SECU SER 2015-5AVE CL B *4 DAY DELAY* 144A PRIV PLCMT 01/05/2035 CUSIP 78413MAL2					
410,000.000	ALLISON TRANS-RYAN LABS	93.8720	384,875.20	105.4570	432,373.70	47,498.50
410,000.000	TOTAL VR SFAVE COMMERCIA 4.38801% 1/05/35		384,875.20		432,373.70	47,498.50
	WELLS FARGO COMMERCIAL MORTGAG SER 2016-LC25 CL B *14 DAY DELAY* DTD 12/01/16 4.437 12/15/2059 CUSIP 95000JBA5					
95,000.000	ALLISON TRANS-RYAN LABS	101.3120	96,246.40	110.1120	104,606.40	8,360.00
95,000.000	TOTAL WELLS FARGO COMMERC 4.4367% 12/15/59		96,246.40		104,606.40	8,360.00
	TOTAL MORTGAGE BACKED OBLIGATION		4,280,960.20		4,646,856.37	365,896.17
	PRIVATE PLACEMENT					

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	AVIATION CAPITAL GROUP 144A PRIV PLCMT 3.875 05/01/2023 CUSIP 05369AAC5					
400,000.000	ALLISON TRANS-RYAN LABS	98.9490	395,796.00	103.4110	413,644.00	17,848.00
400,000.000	TOTAL P/P AVIATION CAPITAL 3.875% 5/01/23		395,796.00		413,644.00	17,848.00
	BOSTON GAS COMPANY 144A PRIV PLCMT 3.001 08/01/2029 CUSIP 100743AL7					
430,000.000	ALLISON TRANS-RYAN LABS	102.2440	439,649.20	103.0010	442,904.30	3,255.10
430,000.000	TOTAL P/P BOSTON GAS COMPA 3.001% 8/01/29		439,649.20		442,904.30	3,255.10
	ELECTRICITE DE FRANCE SA 144A PRIV PLCMT 4.950 10/13/2045 CUSIP 268317AQ7					
165,000.000	ALLISON TRANS-RYAN LABS	97.9640	161,640.60	117.9340	194,591.10	32,950.50
165,000.000	TOTAL P/P ELECTRICITE DE 4.950% 10/13/45		161,640.60		194,591.10	32,950.50
	ENEL FINANCE INTL NV 144A PRIV PLCMT 3.500 04/06/2028 CUSIP 29278GAF5					
340,000.000	ALLISON TRANS-RYAN LABS	88.0240	299,281.60	102.3960	348,146.40	48,864.80
340,000.000	TOTAL P/P ENEL FINANCE INT 3.500% 4/06/28		299,281.60		348,146.40	48,864.80
	HYUNDAI CAPITAL AMERICA 144A PRIV PLCMT 3.000 10/30/2020 CUSIP 44891AAD9					
410,000.000	ALLISON TRANS-RYAN LABS	98.4378	403,595.05	100.4750	411,947.50	8,352.45
410,000.000	TOTAL P/P HYUNDAI CAPITAL 3.000% 10/30/20		403,595.05		411,947.50	8,352.45
	MET LIFE GLOB FUNDING I 144A PRIV PLCMT 3.000 01/10/2023 CUSIP 59217GAX7					
395,000.000	ALLISON TRANS-RYAN LABS	97.9530	386,914.35	102.8140	406,115.30	19,200.95
395,000.000	TOTAL P/P MET LIFE GLOB FU 3.000% 1/10/23		386,914.35		406,115.30	19,200.95

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	MET LIFE GLOB FUNDING I 144A PRIV PLCMT 3.050 06/17/2029 CUSIP 59217GDC0					
410,000.000	ALLISON TRANS-RYAN LABS	100.1460	410,598.60	104.6770	429,175.70	18,577.10
410,000.000	TOTAL P/P MET LIFE GLOB FU 3.050% 6/17/29		410,598.60		429,175.70	18,577.10
	NXP BV/NXP FUNDING LLC 144A PRIV PLCMT 4.125 06/01/2021 CUSIP 62947QAU2					
110,000.000	ALLISON TRANS-RYAN LABS	101.0181	111,119.90	102.6030	112,863.30	1,743.40
110,000.000	TOTAL P/P NXP BV/NXP FUNDI 4.125% 6/01/21		111,119.90		112,863.30	1,743.40
	ONCOR ELECTRIC DELIVERY 144A PRIV PLCMT 3.800 06/01/2049 CUSIP 68233JBN3					
415,000.000	ALLISON TRANS-RYAN LABS	99.4000	412,510.00	112.1150	465,277.25	52,767.25
415,000.000	TOTAL P/P ONCOR ELECTRIC 3.800% 6/01/49		412,510.00		465,277.25	52,767.25
	ROCHE HOLDING INC 144A PRIV PLCMT 3.350 09/30/2024 CUSIP 771196BE1					
450,000.000	ALLISON TRANS-RYAN LABS	99.0620	445,779.00	105.9910	476,959.50	31,180.50
450,000.000	TOTAL P/P ROCHE HOLDING IN 3.350% 9/30/24		445,779.00		476,959.50	31,180.50
	SIEMENS FINANCIERINGSMAT 144A PRIV PLCMT 3.400 03/16/2027 CUSIP 82620KAU7					
820,000.000	ALLISON TRANS-RYAN LABS	98.1298	804,664.30	106.2070	870,897.40	66,233.10
820,000.000	TOTAL P/P SIEMENS FINANCIE 3.400% 3/16/27		804,664.30		870,897.40	66,233.10
	SPRINT SPECTRUM / SPEC I 144A PRIV PLCMT 3.360 03/20/2023 CUSIP 85208NAA8					
332,500.000	ALLISON TRANS-RYAN LABS	99.7273	331,593.13	100.3750	333,746.88	2,153.75
332,500.000	TOTAL P/P SPRINT SPECTRUM 3.360% 3/20/23		331,593.13		333,746.88	2,153.75
	TOTAL PRIVATE PLACEMENT		4,603,141.73		4,906,268.63	303,126.90

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		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
TOTAL BONDS & NOTES			79,692,248.80		90,121,751.31	10,429,502.51
MUTUAL FUNDS						
MUTUAL FUNDS- EQUITY						
	BLACKSTONE ALTERNATIVE MULTI-STRATEGY FUND CLASS I CUSIP 09257V201					
189,514.076	ALLISON HOURLY MUTUAL FUNDS	10.8414	2,054,605.56	10.8400	2,054,332.58	272.98-
189,514.076	TOTAL BLACKSTONE ALT MULTI-STRAT-I		2,054,605.56		2,054,332.58	272.98-
	DFA EMERGING MARKETS CORE EQUITY FUND CLASS I #5272 CUSIP 233203421					
40,376.317	ALLISON HOURLY MUTUAL FUNDS	20.6903	835,400.00	19.8000	799,451.08	35,948.92-
40,376.317	TOTAL DFA EMERG MKTS CORE EQTY FD I #5272		835,400.00		799,451.08	35,948.92-
	EATON VANCE ATLANTA CAPITAL SMID-CAP FUND CLASS R6 #1016 CUSIP 277902235					
91,021.650	ALLISON HOURLY MUTUAL FUNDS	37.8474	3,444,931.12	38.9300	3,543,472.83	98,541.71
91,021.650	TOTAL EATON VANCE-ATLANTA SMID-R6 #1016		3,444,931.12		3,543,472.83	98,541.71
	HARTFORD INTERNATIONAL OPPORTUNITIES FUND CLASS Y CUSIP 416645885					
164,712.037	ALLISON HOURLY MUTUAL FUNDS	16.9290	2,788,404.93	16.0500	2,643,628.19	144,776.74-
164,712.037	TOTAL HARTFORD INTL OPPORT-Y		2,788,404.93		2,643,628.19	144,776.74-
	PIMCO COMMODITY REAL RETURN STRATEGY FUND-CLASS I #45 CUSIP 722005667					
141,463.295	ALLISON HOURLY MUTUAL FUNDS	6.3658	900,530.60	5.6600	800,682.25	99,848.35-
141,463.295	TOTAL PIMCO COMMODITY REAL RET STRAT-I#45		900,530.60		800,682.25	99,848.35-



Allison Transmission Hourly-Rate Employees Pension Plan (EIN/PN: 26-0413897/004)
Attachments to Schedule H (2018 Form 5500)
Schedule H, Line 4i - Schedule of Assets (Held At End of Year)

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ASSET DETAIL REVALUED COST
AS OF SEPTEMBER 30, 2019

ALLISON HOURLY CONSOLIDATED
ACCOUNT NUMBER 22831199

PAR VALUE/SHARES	DESCRIPTION	REVALUED COST		MARKET VALUE		UNREALIZED GAIN/LOSS ON REVALUED COST
		UNIT COST	TOTAL COST	UNIT PRICE	TOTAL MARKET	
	PRINCIPAL INVESTORS REAL ESTATE SECURITIES INSTL FUND #4934 CUSIP 74253Q580					
43,249.211	ALLISON HOURLY MUTUAL FUNDS	23.9512	1,035,869.70	28.0200	1,211,842.89	175,973.19
43,249.211	TOTAL PRINCIPAL INV R/E SEC-IS FUND 4934		1,035,869.70		1,211,842.89	175,973.19
	TOTAL MUTUAL FUNDS- EQUITY		11,059,741.91		11,053,409.82	6,332.09-
	TOTAL MUTUAL FUNDS		11,059,741.91		11,053,409.82	6,332.09-
	TOTAL ASSETS AND LIABILITIES		95,737,535.78		106,332,931.11	10,595,395.33
	ACCRUED INCOME		591,576.82		591,576.82	
	NET ADJUSTED ASSETS		96,329,112.60		106,924,507.93	10,595,395.33

Schedule SB, line 24 — Change in Actuarial Assumptions

- Expenses were updated from \$310,000 to \$350,000.
- Actuarial value basis was updated from 2017 417(e) static mortality and October 2017 segment rates (2.05%/3.61%/4.27%) to 2018 417(e) static mortality and July 2018 segment rates (3.15%/4.20%/4.47%).
- Withdrawal rates, retirement rates, and spouse assumptions were updated based on the 2019 ATI experience study using data from 2015 through 2018.