Annual Report Identification Information

For calendar plan year 2020 or fiscal plan year beginning

Form 5500

Department of the Treasury Internal Revenue Service

Department of Labor Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Annual Return/Report of Employee Benefit Plan

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

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

01/01/2020

OMB Nos. 1210-0110 1210-0089

2020

This Form is Open to Public Inspection

12/31/2020

and ending

A This	eturn/report is for:	a multemployer plan		nployer information in accordan		ns)
		X a single-employer plan	a DFE (specify			,
B This r	return/report is:	the first return/report	the final return/	report report		
		an amended return/report	a short plan ye	ar return/report (less than 12 m	onths)	
C If the	plan is a collectively-barg	ained plan, check here				
	k box if filing under:	X Form 5558	automatic exten		the DFVC program	
D Chec	k box if filing under:	special extension (enter description)	Ш	SIOTI	the bi vo program	
Dout II	Dania Dian Inform					
Part II	ne of plan	mation—enter all requested information	n		1b Three-digit plan	
	•	RN SANTA FE RETIREMENT P	LAN		number (PN) ▶	001
					1c Effective date of pla 10/01/1996	an
Mail	ing address (include room	er, if for a single-employer plan) , apt., suite no. and street, or P.O. Box) , country, and ZIP or foreign postal code	(if foreign see instru	uctions)	2b Employer Identifica Number (EIN) 27-1754839	tion
•	·	RN SANTA FE, LLC	(ii for olgri, odd ii oli c	201101	2c Plan Sponsor's tele	ephone
					number 817-352-1667	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
GEN	NERAL OFFICE BUI	LDING			2d Business code (see	э
250	00 LOU MENK DRIV	⁷ E			instructions) 551112	
FOI	RT WORTH	TX 76131-2828			331112	
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	Judy to Carter		10/14/2021	Judy K. Carter		
HERE	Signature of plan admi	nistrator	Date	Enter name of individual signi	ng as plan administrator	
SIGN	Judy to Carter		10/14/2021	Judy K. Carter		
HERE	GCAE5611C78D41F Signature of employer/	plan sponsor	Date	Enter name of individual signi	ng as employer or plan sp	onsor

SIGN HERE

Signature of DFE

Enter name of individual signing as DFE

DocuSign Envelope ID: D8AB353B-AAD1-4269-97EB-A0134E864732
Schedule SB (Form 5500) 2020

Page 2	-

P	art II	Begir	ning of Year	Carryov	er and Prefunding B	alances	i							
							<u> </u>	(a) C	arryover balanc	е	(b)	Prefund	ing balance	
7		•	0 , ,		able adjustments (line 13 fro						0	5	42,978,0	333
8	8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)							0			0			
9	Amount	remainin	g (line 7 minus line	8)							0	5	42,978,0)33
10	Interest	on line 9	using prior year's	actual retu	rn of <u>8.65</u> %						0		46,967,6	600
11	Prior yea	ar's exces	s contributions to	be added	to prefunding balance:									
	a Prese	nt value o	f excess contribut	ions (line 3	38a from prior year)									0
					a over line 38b from prior ye interest rate of5.50									Ω
	` '		•	•	edule SB, using prior year's									
					ar to add to prefunding balanc									
														0
					ance									
					or deemed elections		_				0			0
					line 10 + line 11d – line 12).						0	5	89,945,6	533
P	art III	Fun	ding Percenta	ages								1	1	
				_								14	114.13	
												15	148.97	/%
16					of determining whether carry					to redu	ce curren	t 16	119.56	5 %
17					less than 70 percent of the							17		%
Р	art IV	Con	tributions an	d Liquid	litv Shortfalls								•	
					ar by employer(s) and empl	oyees:								
	(a) Dat		(b) Amount p		(c) Amount paid by) Dat		(b) Amount		'		unt paid by	
(1	MM-DD-Y	Y Y Y)	employer	S)	employees	(MM-	ץ-טכ	111)	employe	er(s)		emp	loyees	
Totals ▶ 18(b) 0 18(c)						c)		0						
19	Discoun	ted emplo	yer contributions	– see instr	uctions for small plan with a	valuation	date	after the	beginning of the	e year:				
	a Contri	ibutions a	llocated toward ur	npaid minir	num required contributions	rom prior	years	S		19a				0
	b Contributions made to avoid restrictions adjusted to valuation date									0				
					red contribution for current ye	ar adjuste	d to v	aluation d	ate	19c				0
20		-	tions and liquidity									Г	1., 🖂	
	_	•	· ·		e prior year?							_	」Yes ⊠ N	10
	b If line	20a is "Y	es," were required	quarterly	installments for the current	ear made	in a	timely ma	anner?			L	Yes N	No.
	C If line	20a is "Y	es," see instructio	ns and cor	nplete the following table as									
		(1) 1s	<u> </u>		Liquidity shortfall as of en (2) 2nd	d of quarte	er of		/ear 3rd			(4) 41	h	
		(1) 15	•		(<i>L</i>) ZIIU			(3)				(7) 4		

Schedule SB (Form 5500) 2020

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Р	Part V Assumptions Used to Determine Funding Target and Target Normal Cost						
21	Discount	rate:					
	a Segme	ent rates:	1st segment: 3.64 %	2nd segment : 5 . 21 %	3rd segment : 5 . 94 %		N/A, full yield curve used
	b Applica	able month (er	nter code)			21b	4
22	Weighted	average retire	ement age			22	62
23	Mortality	table(s) (see i	instructions) Preso	cribed - combined X Prescri	ibed - separate	Substitu	te
Pa	rt VI	Miscellane	ous Items				
24	Has a cha	ange been ma	ide in the non-prescribed actua	arial assumptions for the current pl	an year? If "Yes," see i	nstruction	s regarding required
	attachment						
25	Has a me	thod change b	peen made for the current plar	year? If "Yes," see instructions re	egarding required attach	nment	Yes X No
26	Is the pla	n required to p	provide a Schedule of Active P	articipants? If "Yes," see instruction	ons regarding required a	attachmen	tX Yes No
27				applicable code and see instruction		27	
P:	art VII			ım Required Contribution			
			· · · · · · · · · · · · · · · · · · ·	ears		28	0
29	Discounte	ed employer co	ontributions allocated toward u	inpaid minimum required contributi	ons from prior years	29	
30				ibutions (line 28 minus line 29)		30	0
	rt VIII	_	Required Contribution	· · · · · · · · · · · · · · · · · · ·			<u> </u>
31		l	d excess assets (see instruction				
	_		·			31a	16,211,706
		,	,	ne 31a		31b	16,211,706
32		ion installmen			Outstanding Bala		Installment
	a Net sho	ortfall amortiza	tion installment			0	0
	b Waiver	amortization i	installment			0	0
33	If a waive (Month _			r the date of the ruling letter granting) and the waived amount		33	
34	Total fund	ding requireme	ent before reflecting carryover/	prefunding balances (lines 31a - 3	1b + 32a + 32b - 33)	34	0
				Carryover balance	Prefunding balar	nce	Total balance
35			se to offset funding				0
36						36	0
37	Contributi	ions allocated	toward minimum required con	tribution for current year adjusted t	to valuation date (line	37	0
38	/		s contributions for current year				0
	a Total (excess, if any, of line 37 over line 36)						
	b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances						
39	Unpaid m	inimum requir	ed contribution for current yea	r (excess, if any, of line 36 over lin	e 37)	39	0
40	Unpaid m	inimum requir	ed contributions for all years .			40	0
Pai	t IX	Pension	Funding Relief Under F	Pension Relief Act of 2010	(See Instructions	5)	
41	If an elect	ion was made	to use PRA 2010 funding reli	ef for this plan:			
	a Schedu	le elected					2 plus 7 years 15 years
	b Eligible	plan year(s) f	or which the election in line 41	a was made			08 2009 2010 2011

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).

OMB No. 1210-0110

2020

This Form is Open to Public Inspection

	▶ Fil	le as an attac	hment to Form	5500 or 5	500-SF				
For	For calendar plan year 2020 or fiscal plan year beginning 01/01/2020 and ending 12/31/2020						020		
	Round off amounts to nearest dollar.								
•	Caution: A penalty of \$1,000 will be assessed for late fili	ng of this repo	ort unless reasor	nable caus	e is establishe	d.			
A١	Name of plan				B Three-dig	it			
Ε	BURLINGTON NORTHERN SANTA FE RETIREMENT PLAN				plan num	ber (PN)	•	001	
				Ī	-				
C F	Plan sponsor's name as shown on line 2a of Form 5500 o	r 5500-SF			D Employer	Identifica	ition Number (E	E I N)	
F	BURLINGTON NORTHERN SANTA FE, LLC				27-175	4839			
	JOHNSTON MORRING DIMINI 11, 110				27 170	1000			
Ет	ype of plan: 🛛 Single 🔲 Multiple-A 🔲 Multiple-B		F Prior year pla	an size:	100 or fewer	101-	500 X More th	nan 500	
Р	art I Basic Information								
1	Enter the valuation date: Month 01	0	1 Year	2020					
2	Assets:		rour						
_	a Market value					. 2a		2,647,370,356	
						2b		2,522,649,553	
	b Actuarial value			/4 \ N	umbor of		tod Funding		
3	Funding target/participant count breakdown				umber of icipants		ted Funding Farget	(3) Total Funding Target	
	a For retired participants and beneficiaries receiving pa	yment				1,343	3,260,811	1,343,260,811	
	b For terminated vested participants	•			1,761			65,587,660	
	C For active participants				6,642				
					17,958			1,693,390,264	
_	d Total		u de la companya de		17,930	1,00	7,040,090	1,093,390,204	
4	If the plan is in at-risk status, check the box and comple	ete lines (a) ar	nd (b)						
	a Funding target disregarding prescribed at-risk assum	ptions				4a			
	b Funding target reflecting at-risk assumptions, but disc					4b			
_	at-risk status for fewer than five consecutive years an							F 2.6%	
5	Effective interest rate						5 5.36		
6	Target normal cost					6		16,211,706	
	ement by Enrolled Actuary To the best of my knowledge, the information supplied in this schedule and a	accomposition ach	adulas atatamenta ar	nd attachment	a if any is somplet	and accur	ata Each proporihor	l accumption was applied in	
ä	accordance with applicable law and regulations. In my opinion, each other as combination, offer my best estimate of anticipated experience under the plar	ssumption is reaso							
		l.							
	SIGN Jah Wade Coh								
ŀ							10/14/20	21	
	Signature of actuary						Date		
ADA	M COBURN						2007924	4	
	Type or print name of actu	ary					ecent enrollme		
MER	CER						214-220-6	292	
	Firm name				Te	lephone	number (includ	ing area code)	
171	7 MAIN STREET, SUITE 4400								
דעם	LAS TX 75201-7357								
NAT	LAS TX 75201-7357 Address of the firm								
If the	actuary has not fully reflected any regulation or ruling pro	amulaatad us	der the statute in	completin	na this schodule	a chock	the hov and so		
	ractuary has not fully reflected any regulation of fulling pro actions	zinuigateu und	นอา แาะ รเสเนเช เก	ı compietii	ig ii iio oti ieduli	s, crieck	uie nov alia se		

	Form 5500 (2020)	Page 2		
3a	Plan administrator's name and address Same as Plan Sponsor		3b Administrat	
	VP & CHIEF HUMAN RESOURCE OFFICER		3c Administrat	.795272 or's telephone
	GENERAL OFFICE BUILDING		number	·
	2301 LOU MENK DRIVE		817-3	52-1667
	FORT WORTH TX 76131	-2828		
4	If the name and/or EIN of the plan sponsor or the plan name has changed si enter the plan sponsor's name, EIN, the plan name and the plan number from		4b EIN	
а	Sponsor's name		4d PN	
С	Plan Name			
5	Total number of participants at the beginning of the plan year		5	17,768
6	Number of participants as of the end of the plan year unless otherwise states 6a(2) , 6b , 6c , and 6d).	d (welfare plans complete only lines 6a(1),		
a(1) Total number of active participants at the beginning of the plan year		. 6a(1)	6,642
a(2) Total number of active participants at the end of the plan year		. 6a(2)	6,154
b	Retired or separated participants receiving benefits		6b	6,992
С	Other retired or separated participants entitled to future benefits		6c	1,920
d	Subtotal. Add lines 6a(2) , 6b , and 6c		. 6d	15,066
е	Deceased participants whose beneficiaries are receiving or are entitled to re	6e	2,262	
f	Total. Add lines 6d and 6e .	. 6f	17,328	
g	Number of participants with account balances as of the end of the plan year	(only defined contribution plans		
Ū	complete this item)		6g	
h	Number of participants who terminated employment during the plan year witl less than 100% vested		6h	55
7	Enter the total number of employers obligated to contribute to the plan (only			
8a	If the plan provides pension benefits, enter the applicable pension feature co	odes from the List of Plan Characteristics Co	des in the instruction	ons:
	IA			
b	If the plan provides welfare benefits, enter the applicable welfare feature cod	des from the List of Plan Characteristics Cod	es in the instruction	ns:
9a	Plan funding arrangement (check all that apply)	9b Plan benefit arrangement (check all t	hat apply)	
	(1) Insurance	(1) Insurance) in	-4-
	(2) Code section 412(e)(3) insurance contracts (3) X Trust	(2) Code section 412(e)(3 (3) X Trust) insurance contra	CIS
	(4) General assets of the sponsor	(4) General assets of the	sponsor	
10	Check all applicable boxes in 10a and 10b to indicate which schedules are a		nber attached. (Se	ee instructions)
а	Pension Schedules	b General Schedules		
	(1) X R (Retirement Plan Information)	(1) X H (Financial Info	rmation)	
		<u> </u>	rmation – Small Pla	an)
	(2) MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan	(3) A (Insurance Info	ormation)	
	actuary	(4) X C (Service Provi		
	(2) V CP (Single Employer Defined Banefit Blan Astrictical	i i i i i i i i i i i i i i i i i i i	ating Plan Informat	ion)
	(3) SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	-	nsaction Schedule	,
		_		

Plan: Burlington Northern Santa Fe Retirement Plan EIN/PN: 27-1754839/001

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. The average retirement age is 62.

(A)	(B)	(C)	(D) Number of employees expected	(E)
Retirement age	Retirement Percent	Lx	to retire (B) x (C)	(A) x (D)
55	2.13%	1,000.00	21.29	1,170.95
56	1.11%	978.71	10.90	610.40
57	2.00%	967.81	19.36	1,103.52
58	2.43%	948.46	23.09	1,339.22
59	5.00%	925.37	46.27	2,729.93
60	26.52%	879.10	233.14	13,988.40
61	17.13%	645.96	110.62	6,747.82
62	20.85%	535.34	111.59	6,918.58
63	18.69%	423.75	79.20	4,989.60
64	18.04%	344.54	62.15	3,977.60
65	36.79%	282.39	103.88	6,752.20
66	31.67%	178.51	56.53	3,730.98
67	23.33%	121.98	28.46	1,906.82
68	30.00%	93.52	28.06	1,908.08
69	20.00%	65.46	13.09	903.21
70	20.00%	52.37	10.47	732.90
71	100.00%	41.90	41.90	2,974.90
Total			1,000.00	62,485.11
Average Age				62.49

Plan: Burlington Northern Santa Fe Retirement Plan EIN/PN: 27-1754839/001

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

Actuarial assumptions for funding valuation

Di	scount rate sponsor elections					
•	Segment rates or full yield curve	Segment				
•	Look-back months	4				
		Nonstabilized rates	Stabilized rates			
•	First 5 years	2.79%	3.64%			
•	Next 15 years	3.92%	5.21%			
•	Over 20 years	4.38%	5.94%			
М	ortality sponsor elections					
•	 Healthy participants Section 430(h)(3) prescribed separate static annuitant a nonannuitant mortality tables. 					
•	Pre-1995 disabilities	Revenue Ruling 96-7 table for participants who became disabled before 1995.				
•	Post-1994 disabilities	Revenue Ruling 96-7 table after 1994.	e for participants who became disabled			
Ot	her economic assumptions					
•	Salary increases	Weighted average assumption of 3.10% (See table of sample rates)				
•	Flat-dollar benefit increases	2.20% per year				
•	Expected investment return	5.56% for 2020 and 5.97%	6 per year for 2019			
•	Expenses	Administrative expenses (excluding investment management expenses) are reflected in the target normal cost. The amount is \$4,470,897 for the plan year beginning January 1, 2020 and ending December 31, 2020.				

Rationale for Economic Assumptions

- Discount rate The discount rate assumptions are prescribed by law.
- Salary increases The salary increase assumption was selected based on an experience study completed in 2016 of data from October 2010 to October 2015, and reflects management's expectation that wages will continue to increase at a similar rate in future years.
- Expected investment return The expected rate of return on plan assets is based on the median simulated investment return using capital market assumptions published in Mercer Investment Consulting's Capital Markets Outlook for the plan's target asset mix, net of expenses assumed to be paid from plan assets for passive investment management.
- Expenses This assumption is based on prior year experience, adjusted for expected changes in the upcoming year.

Spouse assumptions

Percentage married

Spouse age difference

Plan: Burlington Northern Santa Fe Retirement Plan EIN/PN: 27-1754839/001

Female participants

85%

3 years older

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

Demographic assumptions Withdrawal See table of sample rates. Disability incidence Graduated Rates. See table of sample rates. 80% of participants becoming disabled are assumed to be eligible for Social Security disability benefits. Retirement age **Percentage** Over 30 Less Over 30 Years of than 30 Years of Service Service Years of Service Santa Fe **All Other** Attained age 0.0% Under 55 0.0% 0.0% 55 2.0% 4.0% 4.0% 56 1.0% 2.0% 2.0% 57 2.0% 2.0% 2.0% 58 2.0% 4.0% 4.0% 59 5.0% 5.0% 5.0% 45.0% 45.0% 60 19.0% 61 13.0% 35.0% 35.0% 62 17.0% 30.0% 30.0% 63 17.0% 25.0% 25.0% 64 17.0% 20.0% 20.0% 65 30.0% 70.0% 40.0% 66 30.0% 60.0% 30.0% 67 20.0% 60.0% 30.0% 68 20.0% 60.0% 30.0% 69 20.0% 60.0% 30.0% 70 20.0% 60.0% 30.0% 71 and above 100.0% 100.0% 100.0% Benefit commencement age for Future vested deferred 62 for those with 10 years of vesting service before age 65 and 65 otherwise Current vested deferred 62 for those with 10 years of vesting service before age 65 and 65

otherwise

Male participants

85%

3 years younger

Plan: Burlington Northern Santa Fe Retirement Plan EIN/PN: 27-1754839/001

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

De	Demographic assumptions					
Target Bonus Percent		100%				
Fo	orm of payment	<u>50% J&S</u>	Single life	100% J&S		
•	Active retirements	0%	30%	70%		
•	Future vested deferred	0%	30%	70%		
•	Future disabilities	0%	30%	70%		
•	Future deaths	100%	0%	0%		
•	Current vested deferred	0%	45%	55%		

Table of Sample Rates

WITHDRAWAL				
ATTAINED SERVICE	PERCENTAGE			
0	21.00%			
2	19.00			
4	8.00			
6	4.00			
8	3.00			
10	2.50			
12	1.75			
14	1.50			
15-30	1.00			
30+	2.00			

SALARY INCREASE				
ATTAINED AGE	PERCENTAGE			
25 and under	8.67%			
30	7.29			
35	6.21			
40	5.26			
45	4.40			
50	3.68			
55+	3.00			

DISABILITY INCIDENCE						
ATTAINED SERVICE	PERCENTAGE					
25	0.01%					
30	0.01					
35	0.08					
40	0.15					
45	0.40					
50	0.73					
55	1.40					
60	2.48					

Plan: Burlington Northern Santa Fe Retirement Plan EIN/PN: 27-1754839/001

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

Rationale for Demographic Assumptions

- Mortality The mortality assumptions are prescribed by law.
- Withdrawal The withdrawal rates were selected based on an experience study completed in 2016 of data from October 2010 to October 2015. The plan sponsor believes that this period will be representative of anticipated future experience. The assumption is reviewed annually for reasonability.
- Retirement age The retirement rates were selected based on an experience study completed in 2016 of data from October 2010 to October 2015. The plan sponsor believes that this period will be representative of anticipated future experience. The assumption is reviewed annually for reasonability.
- Benefit commencement age The benefit commencement age for vested termination was selected based on an experience study completed in 2016 of data from October 2010 to October 2015. The plan sponsor believes that this period will be representative of anticipated future experience. The assumption is reviewed annually for reasonability.
- Form of payment The form of payment assumptions were selected based on an experience study completed in 2016 of data from October 2010 to September 2015. The plan sponsor believes that this period will be representative of anticipated future experience. The assumption is reviewed annually for reasonability.
- Salary increase and target bonus The salary increase and target bonus assumptions were selected based on an experience study completed in 2016 of data from October 2010 to October 2015. The plan sponsor believes that this period will be representative of anticipated future experience. The assumption is reviewed annually for reasonability.

Actuarial Methods

An actuarial valuation is only a snapshot of a plan's estimated financial condition at a particular point in time; it does not predict the plan's future financial condition or its ability to pay benefits in the future and does not provide any guarantee of future financial soundness of the plan. Over time, a plan's total cost will depend on a number of factors, including the amount of benefits the plan pays, the number of people paid benefits, the period of time over which benefits are paid, plan expenses and the amount earned on any assets invested to pay benefits. These amounts and other variables are uncertain and unknowable at the valuation date.

Because modeling all aspects of a situation is not possible or practical, we may use summary information, estimates, or simplifications of estimates to facilitate the modeling of future events in an efficient and cost-effective manner. We may also exclude factors or data that, if used, in our judgment, would not have significantly affected our results. Use of such simplifying techniques does not, in our judgment, affect the reasonableness of valuation results for the plan.

Valuations do not affect the ultimate cost of the plan, only the timing of when benefit costs are recognized. Cost recognition occurs over time. If the costs recognized over a period of years are lower or higher than necessary, for whatever reason, normal and expected practice is to adjust future cost levels to recognize the entire cost of the plan over time.

Asset methods

The asset valuation method is an average of the adjusted market value for each year during the last 2 years preceding the valuation date. The adjusted market value is the market value at each determination date adjusted to the valuation date based on actual cash flows and expected interest at

Plan: Burlington Northern Santa Fe Retirement Plan EIN/PN: 27-1754839/001

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

the lesser of the expected rate of return and the third segment rate. This amount is adjusted to be no greater than 110 percent and no less than 90 percent of the fair market value, as defined in IRC Section 430.

A characteristic of this asset method is that, over time, it is slightly more likely to produce an actuarial value of assets that is less than the market value of assets than an actuarial value that is greater than the market value.

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 employees as of the valuation date, but only those employees who have completed the plan's eligibility requirements are included in the valuation of liabilities.
- **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.
- **Disabled participants:** The liabilities for participants on long-term disability have been included with the liabilities for active 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.
- This plan provides disability and death benefits that are only partially based on a participant's accrued benefit or years of service. This benefit is allocated to funding target based on the accrued benefit on the valuation date plus a portion of the excess of the benefit over the accrued benefit multiplied by the ratio of the participant's service at the beginning of the plan year to their service at each decrement age. This benefit is allocated to target normal cost based on the proportionate benefit attributable to the increase in the participant's service and compensation during the plan year.
- 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.

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Schedule SB, Part V — Summary of Plan Provisions

Summary of Major Plan Provisions

Effective date and plan year

The effective date of the restated plan is October 1, 1996. The plan was amended October 8, 2020, to incorporate the Thirty-Seventh amendment.

Plan year:

Prior to January 1, 2020: October 1st to September 30th After December 31, 2019: January 1st to December 31st

Status of the plan

The plan has ongoing benefit accruals. New employees hired on or after

April 1, 2019 are not eligible to participate in the plan.

Type of Plan

This plan is a trusteed pension plan.

Significant events that occurred during the year

The plan was amended effective January 1, 2020 to change the plan year from October 1st to September 30th to January 1st to December 31st.

Definitions

 Employees included and eligibility Each salaried employee hired before April 1, 2019 becomes a participant on the first calendar month following the date on which he has both attained the age of 21 years and worked 1,000 hours during any 12-month period.

Employer contributions

Contributions to the trust will be made in such amounts and at such times as are required to maintain the plan and trust in compliance with ERISA and Section 430 of the Internal Revenue Code of 1954, as amended.

Participant contributions

None required or permitted.

Vesting service

The period of employment (including union employment) used in determining eligibility for benefits. A year of vesting service is earned for each calendar year in which an employee is credited with 1,000 or more hours of service. 190 hours are credited for each month compensated or on leave of absence status as a salaried employee.

Credited service

The period of salaried employment used in determining the amount of pension benefits. Credited service as of the effective date of the restated plan is based on service earned under the prior plan(s). Future credited service is earned for each month in which the employee is compensated or on leave of absence status as a salaried employee. Credited service will cease on September 30, 2019, March 31, 2022, or March 31, 2028 depending on participant elections to remain in the plan.

Special rules are defined in the plan for calculating loss of service due to breaks in service.

Compensation considered

Plan compensation is defined as the base compensation rate in effect at the beginning of the month, plus bonuses paid for a calendar year, not greater than applicable annual statutory limits.

Plan compensation includes salary reductions under Code Sections 125 or 401(k).

Average monthly compensation

Average monthly compensation is the total plan compensation during a considered period divided by the number of months in the considered period. The considered period is the 60 highest consecutive completed months within the last 120 calendar months which produce the highest average. Only months during salaried employment are included in the considered period.

Average monthly compensation is calculated as of the earlier of 1) transfer to scheduled service, 2) participant plan freeze date, and 3) termination date.

Normal retirement

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Schedule SB, Part V — Summary of Plan Provisions

Eligibility

Benefit

A participant who retires on or after age 65.

Benefits are determined at the earlier of 1) transfer to scheduled service, 2) participant plan freeze date, and 3) termination date

An annuity, payable for life, equal to the larger of (i) or (ii):

- (i) 0.3% of average monthly compensation, plus
 0.5% of average monthly compensation above the Social Security integration level, plus
 0.6% of average monthly compensation above the Railroad Retirement integration level.
- (ii) \$37.00 per month per year of credited service.

This amount is multiplied by credited service, limited to 40 years

The Social Security integration level is covered compensation under RR 71-446 for a 65-year-old in the calendar year of determination, rounded to the nearest \$600. The Railroad Integration level is the five-year average of the Tier II wage bases for the five full calendar years preceding the participants' termination, rounded to the nearest \$60.

Participants in the prior plan(s) are fully grandfathered if they are at least age 45 as of October 1, 1996.

Early retirement

Eligibility

Benefit

After age 55, provided the participant has completed ten years of vesting service

The annuity, payable immediately for life, is determined as for normal retirement, considering service and compensation to actual early retirement date. At the employee's request, a reduced pension is payable as early as his early retirement date using the table below. For purposes of early retirement eligibility and early retirement reductions, benefit service is allowed to grow past the participants' freeze date until the earlier of 1) transfer to scheduled service and 2) termination date.

A supplement is payable until Railroad Retirement or Social Security benefit eligibility. The amount of the supplement is \$15 per month per year of credited service, to a maximum of 20 years and frozen as of July 1, 2010. This amount is not reduced for early commencement.

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Schedule SB, Part V — Summary of Plan Provisions

Benefit attributable to service before 07/01/10. Apply table using projected service at age 62 Benefit attributable to service after 06/30/10. Apply table using actual service at termination

Age	More than 30 years of service	Less than 30 years of service	More than 30 years of service	Less than 30 years of service
55	70%	50%	50%	40%
56	73	53	58	46
57	77	57	66	52
58	80	60	74	58
59	83	63	82	64
60	87	67	90	70
61	93	73	95	76
62	100	80	100	82
63	100	87	100	88
64	100	93	100	94
65	100	100	100	100

Late retirement

Eligibility

Benefit

An employee who meets the requirements for a normal pension and retires after his normal retirement date.

The participant will receive a monthly amount which is computed by the normal retirement formula considering service and compensation through actual retirement. In no event will the benefit be less than the actuarial equivalent of the accrued benefit payable as of the normal retirement date using 8% interest and 417(e)(3) mortality.

Deferred vested

Eligibility

Benefit

A participant is eligible for a deferred vested benefit at any age, provided he has completed at least five years of vesting service.

The annuity is computed as for normal retirement considering service and compensation to date of termination. Payment will commence at age 65, although if requested, a reduced pension may be paid as early as age 55, provided that the employee had completed at least ten years of vesting service. Reduction is the same as for early retirement.

Disability

Eligibility

Benefit

A participant is eligible for disability benefits at any age, provided he retires because of total and permanent disability.

The annuity, commencing on normal or early retirement date, is payable for life. The monthly amount is computed as for normal retirement considering average monthly compensation and plan integration levels at the date of disability, and service projected during the period of disability.

Effective October 1, 2012, any participant who starts LTD after September 30, 2014, will be granted only one additional year of service, unless they are already past their pension freeze date in which case no additional service will be granted.

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Schedule SB, Part V — Summary of Plan Provisions

Pre-retirement death

Eligibility The eligible spouse of an employee who dies after becoming vested is

entitled to a benefit payable for life.

Benefit The benefit, commencing on the first of the month following the later of the

> date of death or the date the employee would have been eligible for early retirement, is 50% of the accrued benefit determined as for early retirement considering compensation and service to date of death, then reduced for the

earlier payment and the survivor protection.

Form of benefits

Automatic form for unmarried

Single Life Annuity

participants

Automatic form for married

participants

50% Joint and Survivor Annuity

Optional forms Optional forms of payment provided by the plan are determined on an

> actuarial equivalent basis. Lump sums are available from the plan if the value is \$25,000 or less. Certain prior plan participants can receive lump sums in

excess of \$25,000.

Miscellaneous

Expenses Expenses will be paid by the trust if not paid by the employer.

Grandfathered provisions If a participant was at least age 45 on October 1, 1996, they will generally

receive the larger of the benefit under this plan, or the benefit under the terms

of their prior plan, as if the prior plan had continued in existence.

Maximum compensation Compensation for any 12-month period used to determine accrued benefits

> may not exceed the limits in IRC Section 401(a)(17) for the calendar year in which the 12-month period begins. This limit is indexed annually. For 2020,

the limit is \$285,000.

Maximum benefits Annual benefits may not exceed the limits in IRC Section 415. This limit is

indexed annually. For 2020, the limit is \$230,000.

Benefits Included or Excluded

Unless noted below, all benefits provided by the plan, as restated and amended through Amendment 36. are included in this valuation:

- Most recent plan amendments included: Amendment 36 signed September 26, 2019, is included because it was adopted by the valuation date and is effective by the end of the plan year.
- Late retirement increases:
 - Active participants: The plan applies late retirement actuarial increases for all participants who defer retirement beyond their normal retirement date and this valuation includes those increases.
 - 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). However, we expect that the plan is not top-heavy due to the large number of rank-

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and-file participants; therefore, the funding target and target normal cost do not reflect any liability for top-heavy benefit accruals.

Plan Provisions Specific to Funding

Additional Benefits Included or Excluded

- IRC Section 436 benefit restrictions:
 - Unpredictable contingent event benefits: None.
 - Plan amendments: See above.
 - Prohibited payments: None.
- **Unpredictable contingent event benefits:** The plan does not have any unpredictable contingent event benefits.
- The valuation does not include an assumption for lump sums under \$25,000.

Plan Provision Changes Since Prior Valuation

- Maximum compensation amounts, maximum benefit amounts under IRS rules and integration levels were updated from 2019 to 2020.
- The plan was amended effective January 1, 2020 to change the plan year from October 1st to September 30th to January 1st to December 31st.

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Schedule SB, line 24 — Change in Actuarial Assumptions

The following funding specific assumption changes have occurred since the October 1, 2019 Valuation:

- Interest discounts and mortality rates were updated in accordance with PPA.
- The expense component of normal cost was updated from \$573,243 (for the 3-month period from October 1, 2019 to December 31, 2019) to \$4,470,897 (for the 12-month period from January 1, 2020 to December 31, 2020).
- The expected asset return assumption was changed from 5.97% to 5.66% based on updates to Mercer's capital market expectations and current asset allocation.

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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
		2									2
Under 25											
25–29		8	11								19
30–34	1	13	50 113,487	12							76
35–39	1	17	84	69 151,314	13						184
40–44	1	23	106 120,780	75 135,235	94	19					318
45–49		19	110	137 128,077	148	96 166,468	29				539
50–54	2	23	77 115,384	142 123,415	111 132,734	94	61 168,751	24 185,869			534
55–59	1	20 106,194	77 114,439	124 117,918	91 126,895	87 133,330	66 172,485	30 172,797	15	6	517
60–64		5	26 105,324	47 119,174	40 127,512	40 118,800	26 149,968	11	13	15	223
65–69			3	9	4	4	5	1		4	30
70 & up		3	1								4
Total	6	133	545	615	501	340	187	66	28	25	2,446 133,067

In each cell, the top number is the count of active participants for each age/service combination and the bottom number is average pay for 2020 limited to \$285,000. Average pay is not shown for plans with less than 1,000 active participants or cells with fewer than 20 participants.