Form 5500

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Annual Return/Report of Employee Benefit Plan

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

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

OMB Nos. 1210-0110
1210-0089

2020

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2020 or fiscal plan year beginning 01/01/2020 and ending 12/31/2020

A This return/report is for:
- [ ] a multiemployer plan
- [ ] a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- [X] 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:
- [X] Form 5558
- [ ] automatic extension
- [ ] the DFVC program
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
TRANE TECHNOLOGIES PENSION PLAN NUMBER ONE

1b Three-digit plan number (PN) ▶ 001

1c Effective date of plan 01/01/1949

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)
TRANE TECHNOLOGIES COMPANY LLC

800 E BEATY STREET
DAVIDSON, NC 28036

2b Employer Identification Number (EIN) 13-5156640

2c Plan Sponsor's telephone number 704-655-4000

2d Business code (see instructions) 333200

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.	10/15/2021	PAUL LONGSTREET
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

TRANE TECHNOLOGIES BENEFITS ADMINISTRATION COMMITTEE

800 E BEATY STREET
DAVIDSON, NC 28036

3b Administrator's EIN
22-2116054

3c Administrator's telephone number
704-655-4000

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**	23481
6	Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines **6a(1), 6a(2), 6b, 6c,** and **6d**).		
a(1)	Total number of active participants at the beginning of the plan year	**6a(1)**	6927
a(2)	Total number of active participants at the end of the plan year	**6a(2)**	6269
b	Retired or separated participants receiving benefits	**6b**	10286
c	Other retired or separated participants entitled to future benefits	**6c**	5580
d	Subtotal. Add lines **6a(2)**, **6b**, and **6c**	**6d**	22135
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	2253
f	Total. Add lines **6d** and **6e**	**6f**	24388
g	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	
h	Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	4
7	Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	**7**	

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

1A 1C 3F 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

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)	☐	**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 2020 Form M-1 annual report. If the plan was not required to file the 2020 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

2020

This Form is Open to Public Inspection

For calendar plan year 2020 or fiscal plan year beginning 01/01/2020 and ending 12/31/2020

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

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

A Name of plan
TRANE TECHNOLOGIES PENSION PLAN NUMBER ONE

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
TRANE TECHNOLOGIES COMPANY LLC

D Employer Identification Number (EIN)
13-5156640

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

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

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2020

2 Assets:

a Market value	**2a**	1031624967
b Actuarial value	**2b**	958706139

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	11289	589362846	589362846
b For terminated vested participants	5415	153704926	153704926
c For active participants	6927	177576561	181633911
d Total	23631	920644333	924701683

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

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	

5 Effective interest rate	**5**	5.34 %
6 Target normal cost	**6**	21389997

Statement by Enrolled Actuary

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

SIGN HERE

Signature of actuary — Date: 10/11/2021

SEAMUS A DOYLE — Type or print name of actuary

20-05809 — Most recent enrollment number

WILLIS TOWERS WATSON US LLC — Firm name

617-638-3700 — Telephone number (including area code)

75 ARLINGTON STREET
BOSTON, MA 02116

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)	101692570	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	31957700	0
9	Amount remaining (line 7 minus line 8)	69734870	0
10	Interest on line 9 using prior year's actual return of 20.58 %	14351436	0
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		15251687
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.50 %		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		3138797
	c Total available at beginning of current plan year to add to prefunding balance		18390484
	d Portion of (c) to be added to prefunding balance		14000000
12	Other reductions in balances due to elections or deemed elections	23042351	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	61043955	14000000

Part III Funding Percentages

14	Funding target attainment percentage	14	95.56 %
15	Adjusted funding target attainment percentage	15	103.67 %
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	103.54 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls

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

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/08/2021	15900000	0			
			Totals ► 18(b)	15900000	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	14564725

20 Quarterly contributions and liquidity shortfalls:

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

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

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

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

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

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
3.64 %	5.21 %	5.94 %	☐ N/A, full yield curve used

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

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

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

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

a Target normal cost (line 6)	**31a**	21389997
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

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**	21389997

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	21389997	0	21389997

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**	14564725

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

a Total (excess, if any, of line 37 over line 36)	**38a**	14564725
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	14564725
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 D (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

DFE/Participating Plan Information

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

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

OMB No. 1210-0110

2020

This Form is Open to Public Inspection.

For calendar plan year 2020 or fiscal plan year beginning 01/01/2020 and ending 12/31/2020

A Name of plan
TRANE TECHNOLOGIES PENSION PLAN NUMBER ONE

B Three-digit plan number (PN) ▶ 001

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
TRANE TECHNOLOGIES COMPANY LLC

D Employer Identification Number (EIN)
13-5156640

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: TRANE TECHNOLOGIES COLLECTIVE TRUST

b Name of sponsor of entity listed in (a): JPMORGAN CHASE BANK

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
13-3673037-001	M	1226117796

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)

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

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

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

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

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

a Plan name	
b Name of plan sponsor	**c** EIN-PN
a Plan name	
b Name of plan sponsor	**c** EIN-PN
a Plan name	
b Name of plan sponsor	**c** EIN-PN
a Plan name	
b Name of plan sponsor	**c** EIN-PN
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b Name of plan sponsor	**c** EIN-PN
a Plan name	
b Name of plan sponsor	**c** EIN-PN

SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Financial Information

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

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

OMB No. 1210-0110

2020

This Form is Open to Public Inspection

For calendar plan year 2020 or fiscal plan year beginning 01/01/2020 and ending 12/31/2020

A Name of plan
TRANE TECHNOLOGIES PENSION PLAN NUMBER ONE

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
TRANE TECHNOLOGIES COMPANY LLC

D Employer Identification Number (EIN)
13-5156640

Part I Asset and Liability Statement

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

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	16500000	15900000
(2) Participant contributions	1b(2)		
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(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)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	1319771887	1226117796
(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)		
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)		

			(a) Beginning of Year	**(b)** End of Year
1d	Employer-related investments:			
	(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	1336271887	1242017796
	Liabilities			
g	Benefit claims payable	1g		
h	Operating payables	1h		
i	Acquisition indebtedness	1i		
j	Other liabilities	1j	305946929	12732867
k	Total liabilities (add all amounts in lines 1g through1j)	1k	305946929	12732867
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	1030324958	1229284929

Part II Income and Expense Statement

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

	Income		**(a)** Amount	**(b)** Total
a	**Contributions:**			
	(1) Received or receivable in cash from: **(A)** Employers	2a(1)(A)		
	(B) Participants	2a(1)(B)	8637	
	(C) Others (including rollovers)	2a(1)(C)	15900000	
	(2) Noncash contributions	2a(2)		
	(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		15908637
b	**Earnings on investments:**			
	(1) Interest:			
	(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
	(B) U.S. Government securities	2b(1)(B)		
	(C) Corporate debt instruments	2b(1)(C)		
	(D) Loans (other than to participants)	2b(1)(D)		
	(E) Participant loans	2b(1)(E)		
	(F) Other	2b(1)(F)		
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		0
	(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)		
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		0
	(3) Rents	2b(3)		
	(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)		
	(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
	(C) Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result	2b(4)(C)		0
	(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)		
	(B) Other	2b(5)(B)		
	(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		150162075
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		
d Total income. Add all **income** amounts in column (b) and enter total	2d		166070712
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	79625339	
(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)		79625339
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)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		0
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		79625339
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		86445373
l Transfers of assets:			
(1) To this plan	2l(1)		114604560
(2) From this plan	2l(2)		2089962

Part III Accountant's Opinion

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

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

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

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 **(2)** ☐ DOL Regulation 2520.103-12(d) **(3)** ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

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

(1) Name: DIXON HUGHES GOODMAN LLP **(2)** EIN: 56-0747981

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

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

Part IV Compliance Questions

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

During the plan year:

		Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)	4a		X	

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

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No

If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

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

5b(1) Name of plan(s)	**5b(2)** EIN(s)	**5b(3)** PN(s)
INGERSOLL-RAND INDUSTRIAL U.S., INC. PENSION PLAN	87-2172128	021

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☒ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 438363.

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

2020

This Form is Open to Public Inspection.

For calendar plan year 2020 or fiscal plan year beginning 01/01/2020 and ending 12/31/2020

A Name of plan
TRANE TECHNOLOGIES PENSION PLAN NUMBER ONE

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
TRANE TECHNOLOGIES COMPANY LLC

D Employer Identification Number (EIN)
13-5156640

Part I Distributions

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

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

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): 13-3795042

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** | 288

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

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

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

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

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

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

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

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

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

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

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

Part III Amendments

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

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

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

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

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

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

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment)	**14a**	
b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	**14b**	
c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	**14c**	

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

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

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

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

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

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

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

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

a Enter the percentage of plan assets held as:
Stock: 21 % Investment-Grade Debt: 78 % High-Yield Debt: 0 % Real Estate: 0 % Other: 1 %

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

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

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

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

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

☐ Yes.

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

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

☐ No. Other. Provide explanation_____

Independent Auditors' Report

To the Participants and Plan Administrator of the
Trane Technologies Pension Plan Number One
Davidson, NC

Report on the Financial Statements
We were engaged to audit the accompanying financial statements of the Trane Technologies Pension Plan Number One (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2020 and 2019, the related statements of changes in net assets available for benefits for the years then ended, the statement of accumulated plan benefits as of December 31, 2019, the related statement of changes in accumulated plan benefits for the year ended December 31, 2019, and the related notes to the financial statements.

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

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

Basis for Disclaimer of Opinion
As permitted by 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 ("ERISA"), the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 4, which was certified by JP Morgan Chase 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 a certification from the trustee as of December 31, 2020 and 2019, and for the years then ended, 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.

Report on Form and Content in Compliance with DOL Rules and Regulations
The form and content of the information included in the financial statements, 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 DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Dixon Hughes Goodman LLP

Charlotte, NC
October 15, 2021

FORM 5500 ATTACHMENTS

Schedule R, Line 18
Funded Percentage of Plans Contributing to the Liabilities of Plan Participants

	Trane Technologies Pension Plan Number One	Retirement Plan for Former Employees of Trane Technologies
EIN	13-5156640	13-5156640
Plan Number	001	050
1/1/2020 FTAP	95.56%	94.69%

Plan Name: Trane Technologies Pension Plan Number One
EIN / PN: 13-5156640/001
Plan Sponsor: Trane Technologies Company LLC
Valuation Date January 1, 2020

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2020

Employees are assumed to retire in accordance with the following probabilities:

(a) Salaried and bargaining employees (other than Thermo King Grandfathered):

Age	Probability
55-59	8%
60-61	10%
62-64	20%
65-69	30%
70+	100%

(b) Thermo King Grandfathered: For certain "grandfathered" Thermo King participants (hired prior to 1995 and at least 45 with 55 points on 1/1/2003), who are eligible for enhanced early retirement factors after age 58 and 30 years of service.

Age	Probability
55-57	0%
58	8%
59	10%
60-61	15%
62-63	25%
64-69	50%
70+	100%

The average expected retirement age for active participants, to the nearest integer, is age 62. This average age was determined by summing the following product for assumed retirement ages 55 through 70: (i) the number of expected employees at the applicable age times (ii) the assumed rate of retirement at the applicable age times (iii) the applicable age, where one salaried employee, one bargaining employee, and one Thermo King Former Plan 73 employee are assumed to exist at age 55 and are then assumed to retire in accordance with the probabilities shown above. This result is then weighted by the relative number of employees in each group.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 23
Information on Use of Multiple Mortality Tables

Different mortality tables were used for different populations. Substitute mortality tables are used for Annuitants and Non-Annuitants:

Population description	Population size	Mortality table
Non-annuitants	**12,342**	Non-annuitants mortality is based on a substitute mortality table developed in accordance with IRC §430(h)(3)(c) and approved by the IRS having a base year 2014 and then projected forward with generational projection using Scale MP-2018
Annuitants	**11,289**	Annuitants mortality is based on a substitute mortality table developed in accordance with IRC §430(h)(3)(c) and approved by the IRS having a base year 2014 and then projected forward with generational projection using Scale MP-2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 23
Information on Use of Substitute Mortality Tables

Substitute Mortality Tables were approved by the IRS in a letter ruling dated March 7, 2019. See Schedule SB, Part V, Statement of Actuarial Assumptions/Methods for sample rates.

Substitute mortality tables are used for the following plan populations: Male and Female Annuitants and Male and Female Non-Annuitants (including disabled participants)

Non-Annuitant Tables

Mortality ratio used to develop table: 0.434746

Full or partial credibility: Partial

Partial credibility weighting factor: 0.163963

Prescribed tables are used for the following plan populations: N/A

The last plan year for which the IRS approval for the substitute mortality tables applies is: 2028

Annuitant Tables

Mortality ratio used to develop table: 0.981895

Full or partial credibility: Partial

Partial credibility weighting factor: 0.991889

Prescribed tables are used for the following plan populations: N/A

The last plan year for which the IRS approval for the substitute mortality tables applies is: 2028

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26

Schedule of Active Participant Data for Cash Balance Plans as of January 1, 2020

Number and average account balances distributed by attained age and attained years of credited service

	Attained Years of Credited Service										
Attained Age	**Under 1**	**1-4**	**5-9**	**10-14**	**15-19**	**20-24**	**25-29**	**30-34**	**35-39**	**40 & Over**	**Total**
Under 25	0	0	0	0	0	0	0	0	0	0	0
	-	-	-	-	-	-	-	-	-	-	-
25-29	1	4	26	0	0	0	0	0	0	0	31
	-	-	9,338	-	-	-	-	-	-	-	9,338
30-34	20	4	315	41	0	0	0	0	0	0	380
	-	-	8,112	33,205	-	-	-	-	-	-	20,659
35-39	36	3	528	117	3	0	0	0	0	0	687
	14,413	-	10,464	34,228	-	-	-	-	-	-	19,702
40-44	38	3	728	202	37	7	2	0	0	0	1,017
	14,326	-	12,949	46,834	90,309	-	-	-	-	-	41,105
45-49	32	2	668	325	44	16	7	0	0	0	1,094
	18,005	-	14,350	52,847	111,328	-	-	-	-	-	49,133
50-54	35	4	550	542	33	11	16	13	0	0	1,204
	16,107	-	18,704	54,946	109,689	-	-	-	-	-	49,862
55-59	36	4	387	700	28	10	15	23	13	2	1,218
	17,484	-	22,125	53,459	106,943	-	-	219,018	-	-	83,806
60-64	13	7	220	619	22	10	12	10	12	11	936
	-	-	23,395	53,343	106,986	-	-	-	-	-	61,241
65-69	1	4	65	168	2	3	4	2	0	6	255
	-	-	28,978	51,186	-	-	-	-	-	-	40,082
70 & over	1	10	21	60	0	5	4	2	0	2	105
	-	-	24,462	48,024	-	-	-	-	-	-	36,243
Total	213	45	3,508	2,774	169	62	60	50	25	21	6,927
	16,067	-	17,288	47,564	105,051	-	-	219,018	-	-	41,117

Plan Name: Trane Technologies Pension Plan Number One
EIN / PN: 13-5156640/001
Plan Sponsor: Trane Technologies Company LLC
Valuation Date: January 1, 2020

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26

Schedule of Active Participant Data for Cash Balance Plans as of January 1, 2020

Number and average limited plan pay distributed by attained age and attained years of credited service

	Attained Years of Credited Service										
Attained Age	**Under 1**	**1-4**	**5-9**	**10-14**	**15-19**	**20-24**	**25-29**	**30-34**	**35-39**	**40 & Over**	**Total**
Under 25	0	0	0	0	0	0	0	0	0	0	0
	-	-	-	-	-	-	-	-	-	-	-
25-29	1	4	26	0	0	0	0	0	0	0	31
	-	-	74,515	-	-	-	-	-	-	-	74,806
30-34	20	4	315	41	0	0	0	0	0	0	380
	97,418	-	115,683	87,789	-	-	-	-	-	-	111,360
35-39	36	3	528	117	3	0	0	0	0	0	687
	98,073	-	118,459	98,415	-	-	-	-	-	-	114,181
40-44	38	3	728	202	37	7	2	0	0	0	1,017
	99,949	-	124,472	111,338	168,206	-	-	-	-	-	122,167
45-49	32	2	668	325	44	16	7	0	0	0	1,094
	103,965	-	125,057	116,739	149,644	-	-	-	-	-	123,580
50-54	35	4	550	542	33	11	16	13	0	0	1,204
	92,379	-	119,684	119,100	156,005	-	-	-	-	-	119,903
55-59	36	4	387	700	28	10	15	23	13	2	1,218
	100,340	-	115,928	113,578	135,974	-	-	140,819	-	-	113,851
60-64	13	7	220	619	22	10	12	10	12	11	936
	-	-	98,212	110,768	139,280	-	-	-	-	-	107,201
65-69	1	4	65	168	2	3	4	2	0	6	255
	-	-	108,498	105,656	-	-	-	-	-	-	106,298
70 & over	1	10	21	60	0	5	4	2	0	2	105
	-	-	70,511	91,392	-	-	-	-	-	-	77,555
Total	213	45	3,508	2,774	169	62	60	50	25	21	6,927
	98,471	61,585	118,560	112,257	150,246	115,937	115,902	131,079	77,756	97,923	115,655

Plan Name: Trane Technologies Pension Plan Number One
EIN / PN: 13-5156640/001
Plan Sponsor: Trane Technologies Company LLC
Valuation Date: January 1, 2020

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Trane Technologies Company LLC
EIN/PN	13-5156640/001
Plan Name	Trane Technologies Pension Plan Number One
Valuation Date	January 1, 2020
Enrolled Actuary	Seamus A. Doyle
Enrollment Number	20-05809

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis:

■ Applicable month	September
■ Interest rate basis	3-Segment Rates

Interest Rates	**Reflecting Corridors**	**Not Reflecting Corridors**
■ First segment rate	3.64%	2.79%
■ Second segment rate	5.21%	3.92%
■ Third segment rate	5.94%	4.38%
■ Effective interest rate	5.34%	4.04%

Annual rates of increase:

■ Compensation	4.00%
■ Future Social Security wage bases	3.50%
■ Statutory limits on compensation	N/A
■ Assumed cost of living adjustments	0.00%

Demographic Assumptions

Inclusion date	The valuation date coincident with or next following the date on which the employee becomes a participant.
New or rehired employees	It was assumed there will be no new or rehired employees.

SCHEDULE SB ATTACHMENTS

Mortality

- Healthy and Disabled

Separate annuitant and non-annuitant mortality assumptions using sex distinct substitute mortality tables, as approved by the IRS, under IRC §430(h)(3)(c) with base year 2014 and then projected forward with generational projection using Scale MP-2019

Sample Substitute Mortality Table Base Rates				
Age	Male Annuitant	Female Annuitant	Male Non-Annuitant	Female Non-Annuitant
40	0.000645	0.000424	0.000596	0.000392
45	0.001513	0.000993	0.000914	0.000615
50	0.004153	0.002739	0.001591	0.001008
55	0.005816	0.003716	0.002613	0.001586
60	0.007900	0.005480	0.004404	0.002382
65	0.011355	0.008407	0.007885	0.003567
70	0.017353	0.013352	0.013246	0.006048
75	0.028055	0.021839	N/A	N/A
80	0.047292	0.036974	N/A	N/A
85	0.082424	0.065508	N/A	N/A
90	0.144038	0.116221	N/A	N/A
95	0.224485	0.189674	N/A	N/A
100	0.320772	0.283254	N/A	N/A
105	0.419547	0.384247	N/A	N/A
110	0.499911	0.471832	N/A	N/A
115	0.500000	0.500000	N/A	N/A
120	1.000000	1.000000	N/A	N/A

Termination

Percentage leaving during the year – sample rates:	
Attained Age	Unisex rate of withdrawal
25	13.0%
30	11.5%
35	10.0%
40	9.5%
45	9.0%
50	8.5%
54	8.0%
55	0.0%

SCHEDULE SB ATTACHMENTS

Disability

The 1985 Wyatt Pension Disability Study Unisex Class Three rates of disablement are used for bargaining employees. The 1985 Wyatt Pension Disability Study Unisex Class One rates of disablement are used for non-bargaining employees.

Retirement

Employees are assumed to retire in accordance with the following probabilities:

Salaried and bargaining employees (other than Thermo King Grandfathered):

Percentage retiring during the year	
Age	Annual rate
55-59	8%
60-61	10%
62-64	20%
65-69	30%
70+	100%

Thermo King Grandfathered: For certain “grandfathered” Thermo King participants (hired prior to 1995 and at least 45 with 55 points on 1/1/2003), who are eligible for enhanced early retirement factors after age 58 and 30 years of service.

Percentage retiring during the year	
Age	Annual rate
55-57	0%
58	8%
59	10%
60-61	15%
62-63	25%
64-69	50%
70+	100%

SCHEDULE SB ATTACHMENTS

Form of payment

(a) All Salaried and Non-Bargaining Employees who were active participants on or after 1/1/2003 (excluding Torrington)

For participants who retire directly from active service after age 55:

50% are assumed to elect an immediate lump sum and 50% are assumed to elect an immediate annuity in the normal form.

For participants who terminate employment before age 55:

34% are assumed to elect an immediate lump sum, 33% are assumed to elect a lump sum at normal retirement date and 33% are assumed to elect an annuity in the normal form for a single participant at normal retirement date.

For vested participants who have terminated and not previously received a distribution from the plan:

50% are assumed to elect a lump sum at normal retirement date and 50% are assumed to elect an annuity in the normal form at normal retirement date.

The lump sum payable is assumed to be the greater of:

(a) the immediate life annuity multiplied by 10; and

(b) the actuarially equivalent lump sum of the deferred life annuity with ten year guarantee, determined using the interest rates based on the yield curve used for determination of the Funding Target and the applicable Mortality under Revenue Ruling 2007-67.

(b) Thermo King Bargaining Employees

All participants are assumed to elect the normal form of payment.

(c) Other Terminated Vested Participants

All other terminated vested participants are assumed to elect an annuity in the normal form for a single participant at the later of normal retirement date or the valuation date.

Percent married and spouse age

Actual data is used for retired participants. For all other participants 70% of males and 55% females are assumed to be married at death. Females are assumed to be 2 years younger than their husbands.

SCHEDULE SB ATTACHMENTS

Administrative expenses	$4,247,461 of administrative expenses are assumed to be paid out of the trust in the current plan year and are added to the target normal cost. The amount is based on the noninvestment-related expenses that were paid out of the plan in the prior fiscal year and the expected change in PBGC premiums from the prior year to the current year.
Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.
Employee contributions	Bargained employees of Thermo King Minneapolis who are covered under the provisions described in Appendix C are assumed to have contributed to the plan in all prior years unless specific data is provided to show otherwise.

Methods

Valuation date	First day of plan year
Funding target	Present value of accrued benefits as required by regulations under IRC §430.
Target normal cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.

SCHEDULE SB ATTACHMENTS

Actuarial value of assets for determining minimum required contributions	Under this method, the valuation assets are equal to the average of three values (all determined without regard to receivable contributions), the result increased by the discounted present value of contributions expected to be made after the valuation date based on the prior plan year PPA effective interest rate. This amount is then subject to a 10% corridor around the market value of assets (including the discounted present value of receivable contributions) as of the valuation date. The three values used to develop the average value are: the market value of assets as of the current valuation date, the adjusted market value of assets as of the prior valuation date and the adjusted market value of assets as of the second prior valuation date. The adjusted market value as of a relevant valuation date is equal to the market value of assets as of the prior valuation date increased by actual plan contributions and assumed return on plan assets and decreased by actual plan disbursements after that date until the current valuation date. The assumed rate of return on plan assets for the prior plan year (pursuant to IRS Notice 2009-22) was 5.50%, which is the lesser of the anticipated rate of return on assets for the plan year, equal to 5.50%, and the applicable limitation for the plan year, equal to 6.11%. The assumed rate of return on plan assets for the second prior plan year (pursuant to IRS Notice 2009-22) was 5.00%, which is the lesser of the anticipated rate of return on assets for the plan year, equal to 5.00%, and the applicable limitation for the plan year, equal to 6.29%. The algebraically equivalent development of this method (pursuant to IRS Notice 2009-22) is shown in Section 2.3. Because expected investment returns under this method are limited under WRERA, over time it is more likely to produce an actuarial value that is expected to be less than the market value of assets.
Benefits not valued	We believe that we have reflected all significant Plan provisions in this valuation.

SCHEDULE SB ATTACHMENTS

Sources of Data and Other Information

Employee data was supplied by Trane Technologies as of the census date. We have not independently verified the accuracy or completeness of the data or information provided, but we have performed limited checks for reasonableness. The following assumptions were made for missing data elements:

- In cases where an accrued benefit was not provided for a terminated vested participant we have estimated the benefit where data is available to reasonably do so. If data is not available to estimate the benefits, we have used an amount equal to the average accrued benefit for the bargained employees or non-bargained employees, whichever is applicable to the specific employee.
- For terminated vested participants for whom a date of termination is not provided, we have assumed the termination occurred prior to 2003.
- Terminated vested participants over age 65 who have not commenced benefits under the plan are assumed to receive benefits actuarially increased from age 65 to the valuation date under the actuarial equivalence basis detailed in the plan document. Any terminated vested participant over age 90 who is not in receipt of a benefit is assumed to be deceased.
- No adjustment is made to estimate the Qualified Preretirement Survivor Annuity (QPSA) charge which is applicable to certain terminated vested participants who terminated employment prior to 2003.
- The December 31, 2002 accrued benefit ("A-piece") and December 31, 2002 credited service for certain active salaried and non-bargained employees, as used in the valuation, are estimates to the extent they have not yet been certified by the employer.
- The December 31, 2012 frozen accrued benefits for employees who chose to freeze benefits under the plan under Retirement Savings Choice are estimates to the extent they have not yet been certified by the employer.

Assumptions Rationale - Significant Economic Assumptions

Discount rate	The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
Lump sum conversion rate	As required by IRC 430, lump sum benefits are valued using "annuity substitution", so that the interest rates assumed are effectively the same as described above for the discount rate, adjusted as required to account for the fact that the plan's lump sum conversion rate is either IRC 417(e) assumptions or a factor of 10, whichever produced the larger lump sum.
Plan-related expenses	As required by regulations, plan-related expenses are calculated by estimating the expenses to be paid from the trust during the coming year (including, for example, expected PBGC premiums and actuarial, accounting, legal, administration and trustee fees to be paid from the trust).

Plan Name:	Trane Technologies Pension Plan Number One
EIN / PN:	13-5156640/001
Plan Sponsor:	Trane Technologies Company LLC
Valuation Date:	January 1, 2020

SCHEDULE SB ATTACHMENTS

Rates of increase in:

■ Compensation	Assumed compensation increases represent an estimate of future experience.
■ Administrative expenses	Administrative expenses are estimated by determining the expected actual expenses for the coming year, reflecting items like expected PBGC premiums and actual expenses paid from the trust the preceding year.

Assumptions Rationale - Significant Economic Assumptions

Healthy & Disabled Mortality

Assumptions for non-annuitant mortality used for funding purposes are as prescribed by IRC §430(h). Assumptions for annuitant mortality are based on an experience study, period January 1, 2012 through December 31, 2016, with a base year of 2014, as permitted and approved by the IRS under IRC §430(h)(3)(c).

Termination

Termination rates were based on an experience study conducted in 2014, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. There have not been any subsequent modifications to reflect workforce conditions like reductions in force or other changes in conditions that are expected to produce different results in the future.

Disability

Disability rates were based on a published table for pension participants believed to have reasonably similar characteristics participating in pension plans with similar disability provisions.

Retirement

Retirement rates were based on an experience study conducted in 2014, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. There have not been any subsequent modifications to reflect changes in conditions that are expected to produce different results in the future.

Retirement rates are based on plan sponsor expectations for the future with periodic monitoring of observed gains and losses caused by retirement patterns different than assumed.

Form of payment

The assumed form and timing of payments were selected based on recent experience and best estimate of future behavior.

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Source of Prescribed Methods

Funding methods

The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are "prescribed methods set by law", as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.

Changes in Assumptions and Methods

Change in assumptions and methods since prior valuation

- The segment interest rates used to calculate the funding target and target normal cost were updated from an applicable month of September 2018 to September 2019.
- The mortality projection scale used to calculate the funding target was updated from Scale MP-2017 to Scale MP-2018, as required by IRC §430.
- The assumed plan-related expenses added to the target normal cost were changed from $9,737,000 for 2019 to $4,247,461 for 2020.

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Summary of Plan Provisions

Summary of principal plan provisions applicable for all non-bargained hourly and salaried employees who terminate on or after January 1, 2003. Excludes any Torrington employees.

Plan Provisions

The Plan was originally effective January 1, 1949 and restated January 1, 2015.

Coverage and participation

Each employee employed by the Company becomes a member of the plan as of his date of employment excluding, however, except as otherwise provided in the plan, members of a collective bargaining unit or employees accruing benefits under any other retirement plan of the Company.

Effective December 31, 1986, the following plans merged into this Plan:

- California Pellet Mill Company Pension Plan
- Schlage Pension Plan
- The Torrington Company Retirement Plan for Salaried Employees
- Von Duprin Hourly Pension Plan
- Western Land Roller Revised Retirement Plan

Any employee who on December 31, 1986 was covered under this Plan, the California Pellet Mill Company Pension Plan, The Torrington Company Retirement Plan for Salaried Employees, or the Western Land Roller Revised Retirement Plan and who as of December 31, 1986 had attained age 55 or whose age and years of service equaled at least 80 is considered a Grandfathered Employee and remains covered under the principal provisions in effect under the plan he was participating in on December 31, 1986.

Effective December 31, 1987, the following plans merged into this Plan:

The Trane Technologies Company LLC Retirement Plan for Former Employees Represented by Local No. 289 International Union of Electrical, Radio and Machine Workers, AFL-CIO.

Retirement Plan for Former Bargaining Unit Employees of Trane Technologies Company LLC Represented by the International Association of Machinists and Aerospace Workers, Thames Lodge No. 144 of District Lodge No. 104.

SCHEDULE SB ATTACHMENTS

Coverage and participation (continued)

Effective February 1, 1990, The Aro Moore County Plant Hourly Employees' Pension Plan was merged into this plan.

Effective July 1, 1990, the Scienco, Inc. Employee Pension Plan was merged into this plan.

Effective December 31, 1991, the following plans merged into this Plan:

The Torrington Company UAW Local 1645 Retirement Plan
Pension Agreement between California Pellet Mill Company and United Steel Workers of America Local 4016
The Aro Corporation Bargaining Unit Employees' Pension Plan
The Aro Corporation Waterloo Plant Hourly Employees' Pension Plan
The Aro Corporation Waterloo-Plant Hourly Employees' Pension Plan

Effective December 31, 1994 the Pension Plan for the Bargaining Employees of Simmons-Rand Company was merged into this plan.

Effective December 31, 1997, The Torrington Company Retirement Plan for Hourly Employees Not Represented By a Bargaining Unit was merged into this plan.

Effective December 31, 1998, The Ingersoll Rand/Thermo King Pension Plan was merged into this plan. Plan provisions for employees of Thermo King who are represented by a bargaining unit are set forth in Appendix C. Effective January 12, 2003, all other salaried and non-bargaining employees of Thermo King are subject to the provisions described below in this Appendix C. Effective January 1, 2006, all salaried employees of Thermo King Puerto Rico are subject to the provisions described in this Appendix C.

Effective November 30, 1999 the Retirement Plan for Employees of Harrow Products, Inc., was merged into this plan. Effective January 1, 2003, all Harrow employees are subject to the provisions described below in this Appendix B.

Effective December 31, 1999, the Steelcraft Manufacturing Company Hourly Employees' Pension Plan was merged into this plan.

Effective December 31, 2006, the Zimmerman Handling Systems, Ingersoll Rand's Local #417 UAW Employees' Pension Plan was merged into this plan.

Effective April 30, 2007 all participants employed or formerly employed by Ingersoll Rand's Road Machinery business units were spun-off in connection with the sale of those business units to Volvo Construction Equipment-North America.

Effective November 30, 2007 all participants employed or formerly employed by Ingersoll Rand's Bobcat, Utility Equipment and Attachments business units

were spun-off in connection with the sale of those business units to Doosan Infracore.

Coverage and participation (continued)

Effective January 1, 2010 all current and future salaried and nonbargained hourly employees of Trane become participants of the plan. These participants receive accruals under the plan for credited service earned after 2009.

Effective January 1, 2010 all salaried and nonbargained hourly employees of Hussmann Corporation hired after December 31, 2009 became participants of the Plan. Participation for these employees ended when Hussmann Corporation was sold on September 30, 2011.

Effective June 7, 2012, all eligible non-bargained employees hired prior to July 1, 2012 were given a choice of remaining in the Plan until it freezes on December 31, 2022 or freezing their accrued benefits in the Plan as of December 31, 2012 and receiving an additional non-matching company contribution into the Ingersoll Rand Employee Savings Plan (Retirement Savings Choice).

Effective July 1, 2012 participation in this plan was closed to non-bargained employees hired or rehired after June 30, 2012.

Effective December 14, 2012 additional benefits were provided to former employees of Hussmann Corporation who became participants of the Plan on October 1, 2011 as a result of the sale of Hussmann Corporation.

Effective January 1, 2013, Plan One was amended to provide for immediate vesting of the accrued benefits upon death or disability for all salaried employees.

Effective December 1, 2013, certain participants employed or formerly employed by Ingersoll Rand's Security businesses were spun-off in connection with the sale of those business units to Allegion.

Effective January 1, 2015, Plan One was amended to change the normal form of payment for non-bargaining employees who were employed after January 1, 2003 and commence payment after January 1, 2015 to 10 years certain and continuous.

Effective January 1, 2020, certain participants employed or formerly employed by Ingersoll Rand's industrial businesses were spun-off in connection with the

sale of those business units to Gardner Denver Inc.

Effective May 1, 2020, in connection with the change in name of the plan sponsor, the plan name was changed from Ingersoll-Rand Pension Plan Number One to Trane Technologies Pension Plan Number One.

Definitions

Credited service	One month of service is credited for benefit purposes for each month where the employee works as a participant of the plan or prior plan for at least one day of the month, subject to any exclusion in the plan.
Vesting service and vesting	One month of service is credited for eligibility purposes for each month where the employee works as a participant of the plan or prior plan for at least one day of the month, subject to any exclusion in the plan. Additional vesting service may be credited for participation with a previous employer within the control group. A participant is vested after completing five years of vesting service.
Final average compensation/salary	The highest average of a participant's annual compensation for a 5 consecutive calendar year period during the last 10 calendar years preceding the date of termination of employment.
Normal retirement date (NRD)	An employee is eligible for a normal retirement benefit on the last day of the calendar month following the month in which he reaches age 65.

Eligibility for Benefits

Normal retirement	Retirement on NRD.
Postponed retirement	Retirement after NRD.
Early retirement	Every employee eligible for a vested benefit is entitled to commence benefits as of the first day of the calendar month following his separation from service or on the first day of any calendar month thereafter.
Disability benefits	Pre-2004 – totally and permanently disabled prior to January 1, 2004 and receiving benefits under the Long Term Disability Plan are eligible provided

they have 15 years of Vesting Service and are not receiving a benefit under the plan.

Post-2004 – disabled after December 31, 2003 with 100% vesting.

Preretirement death benefit

The surviving spouse of any employee who is married on his date of death or the designated beneficiary of any employee who is not married on his date of death is eligible for a pre-retirement death benefit. Non-spouse beneficiaries are permitted under these provisions, subject to IRS consent rules.

Benefits Paid Upon the Following Events

Normal retirement

The monthly benefit payable as a single life annuity with 10 years certain at Normal Retirement Date is equal to the greater of (i) + (ii) + (iii) and (iv) below:

(i) monthly accrued benefit at December 31, 2002 (or December 31, 2005 for Thermo King Puerto Rico participants) under the plan provisions in effect on December 31, 2002 (December 31, 2005 for Thermo King Puerto Rico participants)

(ii) 0.5% of Final Average Pay times years of credited service earned after December 31, 2002 (or December 31, 2005 for Thermo Kind Puerto Rico participants)

(iii) Plan One Transition Benefit: 0.5% of Final Average Pay in excess of $30,000 times years of credited service earned after December 31, 2002. This transition benefit applies only to employees who were participants in this plan on December 31, 2002, are at least age 50 and whose age plus service exceeds 60 on January 1, 2003 and does not apply to Thermo King employees.

Thermo King Transition Benefit: The increase in (i) above resulting from an increase of 3% for each year of credited service after January 1, 2003 (or January 1, 2006 for Thermo King Puerto Rico participants). This transition benefit applies only to Thermo King employees who were contributing participants in this plan on December 31, 2002, (or December 31, 2005 for Thermo King Puerto Rico employees) who are at least age 45 and whose age plus service exceeds 55 on January 1, 2003 (or January 1, 2006 for Thermo King Puerto Rico participants).

(iv) 0.5% of Final Average Pay times all years of credited service

Participants who elected to waive participation in the Plan under Retirement Savings Choice have a frozen accrued benefit as of December 31, 2012. All other participants will continue to accrue a benefit until the earlier of date of termination or December 31, 2022.

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Postponed retirement	Effective January 1, 1989, employees may work past the age of 65 and continue to earn credited service. The benefit formula and forms are the same as with a normal retirement and commence on the last day of the month succeeding the participant's late retirement.
Early retirement	The early retirement benefit is equal to the normal retirement benefit reduced by 0.3% for each whole calendar month that the benefit commencement date precedes the normal retirement date, provided that the reduction not exceed 85%.
Disability Benefits	Pre-2004 - Same as normal retirement based on service while receiving LTD benefits and compensation in last full year prior to disability. Waiting Period: Following cessation of LTD benefit payments at normal or late retirement date. Post-2004 – Normal or early retirement benefit.
Preretirement death	The pre-retirement death benefit payable to the designated beneficiary of an employee who is not married on his date of death is equal to one half of the benefit which would be payable to the participant had the participant separated from service on the date of death and elected to commence a single life annuity, payable as a lump sum. The pre-retirement death benefit payable to the surviving spouse of a participant who is married on his date of death is equal to one half the benefit that would be payable to the participant had the participant separated from service on the date of death, survived to the benefit commencement date elected by the spouse and elected to commence a single life annuity.

Other Plan Provisions

Forms of payment	<u>Normal form</u> For an unmarried participant the normal form of payment is a monthly pension for the life of the employee. This single life annuity for an unmarried participant includes a ten-year payment guarantee. For a married participant the normal form of payment is a reduced monthly pension which provides for a continuation of payments equal to one-half of the reduced pension to the surviving spouse after the employee's death. <u>Optional forms</u> Any employee may elect, by written application, to receive the normal benefit or other optional forms of benefit payment. Optional forms of payment include a lump sum payment; a contingent annuity and a life with term certain annuity. Some optional forms are not available to participants who commence benefits before age 55.

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Actuarial equivalence	Lump sum distributions or Social Security Level option – based on (i) applicable mortality table specified in Section 417e(3) of Code (as amended) and (ii) an interest rate defined in Section 417e(3)(A)(ii)(II) of the Code (as amended) for the month of October preceding the Plan Year of distribution. The applicable interest rate shall be effective for the entire Plan Year in which the distribution occurs. All other forms – based on a 5% compound annual interest rate and a fixed blend of 70% of the males mortality rates and 30% of the female mortality rates from the 1994 Group Annuity Reserve (GAR) Table.
Pension Increases	None.
Plan participants' contributions	Not required or permitted.
Maximum on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are assumed for determining pension cost but not for determining contributions.

Future Plan Changes

No future plan changes were recognized in determining pension cost or in determining minimum and maximum contributions. Willis Towers Watson is not aware of any future plan changes.

Changes in Benefits Valued Since Prior Year

None.

Substantive Commitment

None.

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Summary of principal plan provisions applicable to bargaining employees at the Thermo King Minneapolis location.

Plan Provisions

The plan was originally effective October 31, 1997. The Ingersoll Rand/Thermo King Pension Plan (Plan 73) was merged into IR Pension Plan Number One on December 31, 1998. The plan was most recently amended effective January 1, 2006. The plan was closed to new participants effective June 20, 2013.

Coverage and participation	All eligible employees may participate in the Plan. On and after January 1, 1995, employees must elect to contribute 1.50% of compensation in order to earn a pension.

Definitions

Credited service	One month of service is credited for benefit purposes for each month where the employee works as a participant of the plan or prior plan for at least one day of the month, subject to any exclusion in the plan.
Vesting service and vesting	One month of service is credited for eligibility purposes for each month where the employee works as a participant of the plan or prior plan for at least one day of the month, subject to any exclusion in the plan. Additional vesting service may be credited for participation with a previous employer within the control group. A participant is vested after completing five years of vesting service.
Compensation	Compensation used for valuation purposes is the annual rate of pay.
Normal retirement date (NRD)	An employee is eligible for normal retirement on the first day of the month next following the later of age 65 and 5 years of eligibility service.

Eligibility for Benefits

Normal retirement	Retirement on NRD.
Postponed retirement	Retirement after NRD.
Vested termination	Termination for reasons other than death or retirement after completing five years of vesting service.
Early retirement	Retirement after age 60 with at least 10 years of service or after age 58 with at least 30 years of service.

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Preretirement death benefit

Married and certain number of years eligibility service as indicated below:

Age	Eligibility Service
Any	25 years or more
60 or older	10 years or more
50 or older	15 years or more

Benefits Paid Upon the Following Events

Normal retirement

The greater of (i) and (ii) below:

(i) Under the Career Accumulation Method, the normal retirement benefit equals the sum of the monthly amount accumulated to January 1, 1992, plus $^1/_{12}$ of 2% of compensation for each calendar year commencing on or after January 1, 1992 in which an employee contributed. A minimum of $15 per year of credited service applied for 1992, 1993 and 1994 regardless of an employee's election to contribute to the Plan.

(ii) Under the Flat Rate Method, the normal retirement benefit equals the sum of $38 times years of credited service while contributing to the Plan, plus $13 times years of credited service prior to January 1, 1995 in which an employee was eligible to contribute to the Plan, but elected not to contribute.

Postponed retirement

Employees may work past the age of 65 and continue to earn credited service. The benefit formula and forms are the same as with a normal retirement and commence on the last day of the month succeeding the participant's late retirement.

Vested termination

The benefit is based on amount of service as follows:

(i) If a participant terminates employee with fewer than 5 years of vesting service, the employee will receive a refund of employee contributions plus interest, or if over $5,000, an actuarially equivalent annuity beginning any time up to normal retirement date.

(ii) If a participant terminates employment with 5 years or more of vesting service, the benefit is the greater of the benefit determined as for normal retirement and an annuity that is the actuarial equivalent of the participant's contributions with interest.

(iii) A participant who attains (i) age 58 with at least 30 years of eligibility service or (ii) age 60 with at least 10 years of eligibility service can elect to receive benefits prior to normal retirement date, reduced by $^1/_2$ of 1% for each month that benefit commencement precedes normal retirement date.

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Early retirement

Based on hire date as noted below:

(i) For employees hired after December 31, 1994, the early retirement benefit is equal to the normal retirement benefit reduced by 0.5% per month that early retirement date precedes participant's normal retirement date.

(ii) For employees hired before January 1, 1995, the early retirement benefit is equal to the normal retirement benefit reduced by $^1/_3$ of 1% per month that early retirement date precedes participant's normal retirement date. If the participant has 30 or more years of service, the benefit will be reduced by $^1/_4$ of 1% per month that early retirement date precedes participant's 60th birthday.

Early Retirement Supplement: For employees hired prior to January 1, 1995 who retire early and elect an annuity form of payment, a temporary monthly supplement is payable until age 62 equal to $10 per year of Credited Service.

Preretirement death

Pre-Retirement Death Benefit: Immediate benefit payable to participant's spouse equal to 55% of the benefit determined as for Early Retirement, except that benefits are reduced as if the employee retired at the date of death (subject to a maximum benefit reduction for early commencement) assuming that the Joint and 55% form of payment had been elected. Payments are guaranteed for 60 months and payable to the spouse's beneficiary if necessary. Alternatively, a lump sum payment based upon the benefit accrued through December 31, 1994 is available.

Vested Death Benefit: Deferred benefit, payable to participant's spouse at what would have been the employee's earliest benefit commencement date, equal to 55% of the Termination Benefit, assuming that the Joint and 55% form of payment had been elected. Payments are guaranteed for 60 months and payable to the spouse's beneficiary if necessary.

SCHEDULE SB ATTACHMENTS

Other Plan Provisions

Forms of payment Normal form

For a single employee, the normal form of payment is a monthly pension ceasing at the retired employee's death. For a married employee, the normal form of payment is a reduced monthly pension which allows for a continuation of payments equal to 55% of the reduced pension to the surviving spouse after the employee's death.

Optional forms

Any employee may elect, by written application, to receive the normal benefit or other optional forms of benefit payment. These include single life annuity, joint and 100% survivor annuity, joint and 55% survivor annuity, lump sum (based upon the benefit accrued as of 12/31/94 (any additional benefit accruals are payable in any of the other optional benefit forms)) and a minimum guarantee of the greater of (i) 60 times the monthly annuity benefit, and (ii) the accumulated contributions plus interest, is applied to annuity benefit options payable under the Plan, without regard to any early retirement supplements.

For participants hired before January 1, 1995 who elect a lump sum, the payment is the sum of (i) and (ii) as follows:

(i) A payment equal to the lump sum equivalent of the normal retirement benefit determined as of December 31, 1994. The lump sum equivalent will be calculated assuming benefits begin at Early Retirement Date. Benefits are reduced for early commencement $^1/_3$ of 1% for each month that the Early Retirement Date precedes Normal Retirement Date, or, if the participant has 30 or more years of Eligibility Service, by $^1/_4$ of 1% for each month that Early Retirement Date precedes the first of the month following the participant's 60th birthday.

(ii) An annuity equal to the difference between (a) the normal retirement benefit (based on total Credited Service) determined as of the participant's Early Retirement Date and reduced by $^1/_2$ of 1% for each month that Early Retirement Date precedes Normal Retirement Date, and (b) the normal retirement benefit determined as of December 31, 1994, reduced for early commencement as described in (i) above.

SCHEDULE SB ATTACHMENTS

Actuarial equivalence	Lump sum distributions or Social Security Level option – based on (i) applicable mortality table specified in Section 417e(3) of Code (as amended) and (ii) an interest rate defined in Section 417e(3)(A)(ii)(II) of the Code (as amended) for the month of October preceding the Plan Year of distribution. The applicable interest rate shall be effective for the entire Plan Year in which the distribution occurs. All other forms – based on a 5% compound annual interest rate and a fixed blend of 70% of the males mortality rates and 30% of the female mortality rates from the 1994 Group Annuity Reserve (GAR) Table.
Pension Increases	None.
Plan participants' contributions	On and after January 1, 1995, employees must elect to contribute 1.50% of compensation in order to earn a pension.
Maximum on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are assumed for determining pension cost but not for determining contributions.

Future Plan Changes

No future plan changes were recognized in determining pension cost or in determining minimum and maximum contributions. Willis Towers Watson is not aware of any future plan changes.

Changes in Benefits Valued Since Prior Year

None.

Substantive Commitment

None.

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

2020

This Form is Open to Public Inspection

For calendar plan year 2020 or fiscal plan year beginning 01/01/2020 and ending 12/31/2020

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

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

A Name of plan
Trane Technologies Pension Plan Number One

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
Trane Technologies Company LLC

D Employer Identification Number (EIN)
13-5156640

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

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

Part I Basic Information

1 Enter the valuation date: Month 1 Day 1 Year 2020

2 Assets:

a Market value	**2a**	1,031,624,967
b Actuarial value	**2b**	958,706,139

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	11,289	589,362,846	589,362,846
b For terminated vested participants	5,415	153,704,926	153,704,926
c For active participants	6,927	177,576,561	181,633,911
d Total	23,631	920,644,333	924,701,683

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

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	
5 Effective interest rate	**5**	5.34 %
6 Target normal cost	**6**	21,389,997

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

SD

Signature of actuary

10/12/2021
Date

Seamus A Doyle
Type or print name of actuary

20-05809
Most recent enrollment number

Willis Towers Watson US LLC
Firm name

(617)638-3700
Telephone number (including area code)

75 Arlington Street

Boston MA 02116
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)	101,692,570	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	31,957,700	0
9	Amount remaining (line 7 minus line 8)	69,734,870	0
10	Interest on line 9 using prior year's actual return of 20.58%	14351436	0
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		15251687
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.50%		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		3,138,797
	c Total available at beginning of current plan year to add to prefunding balance		18390484
	d Portion of (c) to be added to prefunding balance		14000000
12	Other reductions in balances due to elections or deemed elections	23,042,351	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	61,043,955	14000000

Part III Funding Percentages

14	Funding target attainment percentage	14	95.56%
15	Adjusted funding target attainment percentage	15	103.67%
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	103.54%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls

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

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/08/2021	15,900,000	0			
			Totals ► 18(b)	15,900,000	18(c) 0

19	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
	a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
	b Contributions made to avoid restrictions adjusted to valuation date	19b	0
	c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	14,564,725

20 Quarterly contributions and liquidity shortfalls:

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

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

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

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

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

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
3.64 %	5.21 %	5.94 %	☐ N/A, full yield curve used

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

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

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment	☐ Yes	☒ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment	☐ Yes	☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment	☒ Yes	☐ No

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

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

a Target normal cost (line 6)	**31a**	21,389,997
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

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**	21,389,997

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	21,389,997	0	21,389,997

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**	14,564,725

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

a Total (excess, if any, of line 37 over line 36)	**38a**	14,564,725
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	14,564,725
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 ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2020

Employees are assumed to retire in accordance with the following probabilities:

(a) Salaried and bargaining employees (other than Thermo King Grandfathered):

Age	Probability
55-59	8%
60-61	10%
62-64	20%
65-69	30%
70+	100%

(b) Thermo King Grandfathered: For certain "grandfathered" Thermo King participants (hired prior to 1995 and at least 45 with 55 points on 1/1/2003), who are eligible for enhanced early retirement factors after age 58 and 30 years of service.

Age	Probability
55-57	0%
58	8%
59	10%
60-61	15%
62-63	25%
64-69	50%
70+	100%

The average expected retirement age for active participants, to the nearest integer, is age 62. This average age was determined by summing the following product for assumed retirement ages 55 through 70: (i) the number of expected employees at the applicable age times (ii) the assumed rate of retirement at the applicable age times (iii) the applicable age, where one salaried employee, one bargaining employee, and one Thermo King Former Plan 73 employee are assumed to exist at age 55 and are then assumed to retire in accordance with the probabilities shown above. This result is then weighted by the relative number of employees in each group.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 23
Information on Use of Multiple Mortality Tables

Different mortality tables were used for different populations. Substitute mortality tables are used for Annuitants and Non-Annuitants:

Population description	Population size	Mortality table
Non-annuitants	**12,342**	Non-annuitants mortality is based on a substitute mortality table developed in accordance with IRC §430(h)(3)(c) and approved by the IRS having a base year 2014 and then projected forward with generational projection using Scale MP-2018
Annuitants	**11,289**	Annuitants mortality is based on a substitute mortality table developed in accordance with IRC §430(h)(3)(c) and approved by the IRS having a base year 2014 and then projected forward with generational projection using Scale MP-2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 23
Information on Use of Substitute Mortality Tables

Substitute Mortality Tables were approved by the IRS in a letter ruling dated March 7, 2019. See Schedule SB, Part V, Statement of Actuarial Assumptions/Methods for sample rates.

Substitute mortality tables are used for the following plan populations: Male and Female Annuitants and Male and Female Non-Annuitants (including disabled participants)

Non-Annuitant Tables

Mortality ratio used to develop table: 0.434746

Full or partial credibility: Partial

Partial credibility weighting factor: 0.163963

Prescribed tables are used for the following plan populations: N/A

The last plan year for which the IRS approval for the substitute mortality tables applies is: 2028

Annuitant Tables

Mortality ratio used to develop table: 0.981895

Full or partial credibility: Partial

Partial credibility weighting factor: 0.991889

Prescribed tables are used for the following plan populations: N/A

The last plan year for which the IRS approval for the substitute mortality tables applies is: 2028

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26

Schedule of Active Participant Data for Cash Balance Plans as of January 1, 2020

Number and average account balances distributed by attained age and attained years of credited service

	Attained Years of Credited Service										
Attained Age	**Under 1**	**1-4**	**5-9**	**10-14**	**15-19**	**20-24**	**25-29**	**30-34**	**35-39**	**40 & Over**	**Total**
Under 25	0	0	0	0	0	0	0	0	0	0	0
	-	-	-	-	-	-	-	-	-	-	-
25-29	1	4	26	0	0	0	0	0	0	0	31
	-	-	9,338	-	-	-	-	-	-	-	9,338
30-34	20	4	315	41	0	0	0	0	0	0	380
	-	-	8,112	33,205	-	-	-	-	-	-	20,659
35-39	36	3	528	117	3	0	0	0	0	0	687
	14,413	-	10,464	34,228	-	-	-	-	-	-	19,702
40-44	38	3	728	202	37	7	2	0	0	0	1,017
	14,326	-	12,949	46,834	90,309	-	-	-	-	-	41,105
45-49	32	2	668	325	44	16	7	0	0	0	1,094
	18,005	-	14,350	52,847	111,328	-	-	-	-	-	49,133
50-54	35	4	550	542	33	11	16	13	0	0	1,204
	16,107	-	18,704	54,946	109,689	-	-	-	-	-	49,862
55-59	36	4	387	700	28	10	15	23	13	2	1,218
	17,484	-	22,125	53,459	106,943	-	-	219,018	-	-	83,806
60-64	13	7	220	619	22	10	12	10	12	11	936
	-	-	23,395	53,343	106,986	-	-	-	-	-	61,241
65-69	1	4	65	168	2	3	4	2	0	6	255
	-	-	28,978	51,186	-	-	-	-	-	-	40,082
70 & over	1	10	21	60	0	5	4	2	0	2	105
	-	-	24,462	48,024	-	-	-	-	-	-	36,243
Total	213	45	3,508	2,774	169	62	60	50	25	21	6,927
	16,067	-	17,288	47,564	105,051	-	-	219,018	-	-	41,117

Plan Name: Trane Technologies Pension Plan Number One
EIN / PN: 13-5156640/001
Plan Sponsor: Trane Technologies Company LLC
Valuation Date: January 1, 2020

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26

Schedule of Active Participant Data for Cash Balance Plans as of January 1, 2020

Number and average limited plan pay distributed by attained age and attained years of credited service

	Attained Years of Credited Service										
Attained Age	**Under 1**	**1-4**	**5-9**	**10-14**	**15-19**	**20-24**	**25-29**	**30-34**	**35-39**	**40 & Over**	**Total**
Under 25	0	0	0	0	0	0	0	0	0	0	0
	-	-	-	-	-	-	-	-	-	-	-
25-29	1	4	26	0	0	0	0	0	0	0	31
	-	-	74,515	-	-	-	-	-	-	-	74,806
30-34	20	4	315	41	0	0	0	0	0	0	380
	97,418	-	115,683	87,789	-	-	-	-	-	-	111,360
35-39	36	3	528	117	3	0	0	0	0	0	687
	98,073	-	118,459	98,415	-	-	-	-	-	-	114,181
40-44	38	3	728	202	37	7	2	0	0	0	1,017
	99,949	-	124,472	111,338	168,206	-	-	-	-	-	122,167
45-49	32	2	668	325	44	16	7	0	0	0	1,094
	103,965	-	125,057	116,739	149,644	-	-	-	-	-	123,580
50-54	35	4	550	542	33	11	16	13	0	0	1,204
	92,379	-	119,684	119,100	156,005	-	-	-	-	-	119,903
55-59	36	4	387	700	28	10	15	23	13	2	1,218
	100,340	-	115,928	113,578	135,974	-	-	140,819	-	-	113,851
60-64	13	7	220	619	22	10	12	10	12	11	936
	-	-	98,212	110,768	139,280	-	-	-	-	-	107,201
65-69	1	4	65	168	2	3	4	2	0	6	255
	-	-	108,498	105,656	-	-	-	-	-	-	106,298
70 & over	1	10	21	60	0	5	4	2	0	2	105
	-	-	70,511	91,392	-	-	-	-	-	-	77,555
Total	213	45	3,508	2,774	169	62	60	50	25	21	6,927
	98,471	61,585	118,560	112,257	150,246	115,937	115,902	131,079	77,756	97,923	115,655

Plan Name: Trane Technologies Pension Plan Number One
EIN / PN: 13-5156640/001
Plan Sponsor: Trane Technologies Company LLC
Valuation Date: January 1, 2020

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Trane Technologies Company LLC
EIN/PN	13-5156640/001
Plan Name	Trane Technologies Pension Plan Number One
Valuation Date	January 1, 2020
Enrolled Actuary	Seamus A. Doyle
Enrollment Number	20-05809

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis:

■ Applicable month	September
■ Interest rate basis	3-Segment Rates

Interest Rates	**Reflecting Corridors**	**Not Reflecting Corridors**
■ First segment rate	3.64%	2.79%
■ Second segment rate	5.21%	3.92%
■ Third segment rate	5.94%	4.38%
■ Effective interest rate	5.34%	4.04%

Annual rates of increase:

■ Compensation	4.00%
■ Future Social Security wage bases	3.50%
■ Statutory limits on compensation	N/A
■ Assumed cost of living adjustments	0.00%

Demographic Assumptions

Inclusion date	The valuation date coincident with or next following the date on which the employee becomes a participant.
New or rehired employees	It was assumed there will be no new or rehired employees.

SCHEDULE SB ATTACHMENTS

Mortality

- Healthy and Disabled

Separate annuitant and non-annuitant mortality assumptions using sex distinct substitute mortality tables, as approved by the IRS, under IRC §430(h)(3)(c) with base year 2014 and then projected forward with generational projection using Scale MP-2019

Sample Substitute Mortality Table Base Rates				
Age	Male Annuitant	Female Annuitant	Male Non-Annuitant	Female Non-Annuitant
40	0.000645	0.000424	0.000596	0.000392
45	0.001513	0.000993	0.000914	0.000615
50	0.004153	0.002739	0.001591	0.001008
55	0.005816	0.003716	0.002613	0.001586
60	0.007900	0.005480	0.004404	0.002382
65	0.011355	0.008407	0.007885	0.003567
70	0.017353	0.013352	0.013246	0.006048
75	0.028055	0.021839	N/A	N/A
80	0.047292	0.036974	N/A	N/A
85	0.082424	0.065508	N/A	N/A
90	0.144038	0.116221	N/A	N/A
95	0.224485	0.189674	N/A	N/A
100	0.320772	0.283254	N/A	N/A
105	0.419547	0.384247	N/A	N/A
110	0.499911	0.471832	N/A	N/A
115	0.500000	0.500000	N/A	N/A
120	1.000000	1.000000	N/A	N/A

Termination

Percentage leaving during the year – sample rates:	
Attained Age	Unisex rate of withdrawal
25	13.0%
30	11.5%
35	10.0%
40	9.5%
45	9.0%
50	8.5%
54	8.0%
55	0.0%

SCHEDULE SB ATTACHMENTS

Disability

The 1985 Wyatt Pension Disability Study Unisex Class Three rates of disablement are used for bargaining employees. The 1985 Wyatt Pension Disability Study Unisex Class One rates of disablement are used for non-bargaining employees.

Retirement

Employees are assumed to retire in accordance with the following probabilities:

Salaried and bargaining employees (other than Thermo King Grandfathered):

Percentage retiring during the year	
Age	Annual rate
55-59	8%
60-61	10%
62-64	20%
65-69	30%
70+	100%

Thermo King Grandfathered: For certain “grandfathered” Thermo King participants (hired prior to 1995 and at least 45 with 55 points on 1/1/2003), who are eligible for enhanced early retirement factors after age 58 and 30 years of service.

Percentage retiring during the year	
Age	Annual rate
55-57	0%
58	8%
59	10%
60-61	15%
62-63	25%
64-69	50%
70+	100%

SCHEDULE SB ATTACHMENTS

Form of payment

(a) All Salaried and Non-Bargaining Employees who were active participants on or after 1/1/2003 (excluding Torrington)

For participants who retire directly from active service after age 55:

50% are assumed to elect an immediate lump sum and 50% are assumed to elect an immediate annuity in the normal form.

For participants who terminate employment before age 55:

34% are assumed to elect an immediate lump sum, 33% are assumed to elect a lump sum at normal retirement date and 33% are assumed to elect an annuity in the normal form for a single participant at normal retirement date.

For vested participants who have terminated and not previously received a distribution from the plan:

50% are assumed to elect a lump sum at normal retirement date and 50% are assumed to elect an annuity in the normal form at normal retirement date.

The lump sum payable is assumed to be the greater of:

(a) the immediate life annuity multiplied by 10; and

(b) the actuarially equivalent lump sum of the deferred life annuity with ten year guarantee, determined using the interest rates based on the yield curve used for determination of the Funding Target and the applicable Mortality under Revenue Ruling 2007-67.

(b) Thermo King Bargaining Employees

All participants are assumed to elect the normal form of payment.

(c) Other Terminated Vested Participants

All other terminated vested participants are assumed to elect an annuity in the normal form for a single participant at the later of normal retirement date or the valuation date.

Percent married and spouse age

Actual data is used for retired participants. For all other participants 70% of males and 55% females are assumed to be married at death. Females are assumed to be 2 years younger than their husbands.

SCHEDULE SB ATTACHMENTS

Administrative expenses	$4,247,461 of administrative expenses are assumed to be paid out of the trust in the current plan year and are added to the target normal cost. The amount is based on the noninvestment-related expenses that were paid out of the plan in the prior fiscal year and the expected change in PBGC premiums from the prior year to the current year.
Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.
Employee contributions	Bargained employees of Thermo King Minneapolis who are covered under the provisions described in Appendix C are assumed to have contributed to the plan in all prior years unless specific data is provided to show otherwise.

Methods

Valuation date	First day of plan year
Funding target	Present value of accrued benefits as required by regulations under IRC §430.
Target normal cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.

SCHEDULE SB ATTACHMENTS

Actuarial value of assets for determining minimum required contributions	Under this method, the valuation assets are equal to the average of three values (all determined without regard to receivable contributions), the result increased by the discounted present value of contributions expected to be made after the valuation date based on the prior plan year PPA effective interest rate. This amount is then subject to a 10% corridor around the market value of assets (including the discounted present value of receivable contributions) as of the valuation date. The three values used to develop the average value are: the market value of assets as of the current valuation date, the adjusted market value of assets as of the prior valuation date and the adjusted market value of assets as of the second prior valuation date. The adjusted market value as of a relevant valuation date is equal to the market value of assets as of the prior valuation date increased by actual plan contributions and assumed return on plan assets and decreased by actual plan disbursements after that date until the current valuation date. The assumed rate of return on plan assets for the prior plan year (pursuant to IRS Notice 2009-22) was 5.50%, which is the lesser of the anticipated rate of return on assets for the plan year, equal to 5.50%, and the applicable limitation for the plan year, equal to 6.11%. The assumed rate of return on plan assets for the second prior plan year (pursuant to IRS Notice 2009-22) was 5.00%, which is the lesser of the anticipated rate of return on assets for the plan year, equal to 5.00%, and the applicable limitation for the plan year, equal to 6.29%. The algebraically equivalent development of this method (pursuant to IRS Notice 2009-22) is shown in Section 2.3. Because expected investment returns under this method are limited under WRERA, over time it is more likely to produce an actuarial value that is expected to be less than the market value of assets.
Benefits not valued	We believe that we have reflected all significant Plan provisions in this valuation.

SCHEDULE SB ATTACHMENTS

Sources of Data and Other Information

Employee data was supplied by Trane Technologies as of the census date. We have not independently verified the accuracy or completeness of the data or information provided, but we have performed limited checks for reasonableness. The following assumptions were made for missing data elements:

- In cases where an accrued benefit was not provided for a terminated vested participant we have estimated the benefit where data is available to reasonably do so. If data is not available to estimate the benefits, we have used an amount equal to the average accrued benefit for the bargained employees or non-bargained employees, whichever is applicable to the specific employee.
- For terminated vested participants for whom a date of termination is not provided, we have assumed the termination occurred prior to 2003.
- Terminated vested participants over age 65 who have not commenced benefits under the plan are assumed to receive benefits actuarially increased from age 65 to the valuation date under the actuarial equivalence basis detailed in the plan document. Any terminated vested participant over age 90 who is not in receipt of a benefit is assumed to be deceased.
- No adjustment is made to estimate the Qualified Preretirement Survivor Annuity (QPSA) charge which is applicable to certain terminated vested participants who terminated employment prior to 2003.
- The December 31, 2002 accrued benefit ("A-piece") and December 31, 2002 credited service for certain active salaried and non-bargained employees, as used in the valuation, are estimates to the extent they have not yet been certified by the employer.
- The December 31, 2012 frozen accrued benefits for employees who chose to freeze benefits under the plan under Retirement Savings Choice are estimates to the extent they have not yet been certified by the employer.

Assumptions Rationale - Significant Economic Assumptions

Discount rate	The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
Lump sum conversion rate	As required by IRC 430, lump sum benefits are valued using "annuity substitution", so that the interest rates assumed are effectively the same as described above for the discount rate, adjusted as required to account for the fact that the plan's lump sum conversion rate is either IRC 417(e) assumptions or a factor of 10, whichever produced the larger lump sum.
Plan-related expenses	As required by regulations, plan-related expenses are calculated by estimating the expenses to be paid from the trust during the coming year (including, for example, expected PBGC premiums and actuarial, accounting, legal, administration and trustee fees to be paid from the trust).

Plan Name:	Trane Technologies Pension Plan Number One
EIN / PN:	13-5156640/001
Plan Sponsor:	Trane Technologies Company LLC
Valuation Date:	January 1, 2020

SCHEDULE SB ATTACHMENTS

Rates of increase in:

■ Compensation	Assumed compensation increases represent an estimate of future experience.
■ Administrative expenses	Administrative expenses are estimated by determining the expected actual expenses for the coming year, reflecting items like expected PBGC premiums and actual expenses paid from the trust the preceding year.

Assumptions Rationale - Significant Economic Assumptions

Healthy & Disabled Mortality

Assumptions for non-annuitant mortality used for funding purposes are as prescribed by IRC §430(h). Assumptions for annuitant mortality are based on an experience study, period January 1, 2012 through December 31, 2016, with a base year of 2014, as permitted and approved by the IRS under IRC §430(h)(3)(c).

Termination

Termination rates were based on an experience study conducted in 2014, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. There have not been any subsequent modifications to reflect workforce conditions like reductions in force or other changes in conditions that are expected to produce different results in the future.

Disability

Disability rates were based on a published table for pension participants believed to have reasonably similar characteristics participating in pension plans with similar disability provisions.

Retirement

Retirement rates were based on an experience study conducted in 2014, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. There have not been any subsequent modifications to reflect changes in conditions that are expected to produce different results in the future.

Retirement rates are based on plan sponsor expectations for the future with periodic monitoring of observed gains and losses caused by retirement patterns different than assumed.

Form of payment

The assumed form and timing of payments were selected based on recent experience and best estimate of future behavior.

SCHEDULE SB ATTACHMENTS

Source of Prescribed Methods

Funding methods

The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are "prescribed methods set by law", as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.

Changes in Assumptions and Methods

Change in assumptions and methods since prior valuation

- The segment interest rates used to calculate the funding target and target normal cost were updated from an applicable month of September 2018 to September 2019.
- The mortality projection scale used to calculate the funding target was updated from Scale MP-2017 to Scale MP-2018, as required by IRC §430.
- The assumed plan-related expenses added to the target normal cost were changed from $9,737,000 for 2019 to $4,247,461 for 2020.

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Summary of Plan Provisions

Summary of principal plan provisions applicable for all non-bargained hourly and salaried employees who terminate on or after January 1, 2003. Excludes any Torrington employees.

Plan Provisions

The Plan was originally effective January 1, 1949 and restated January 1, 2015.

Coverage and participation

Each employee employed by the Company becomes a member of the plan as of his date of employment excluding, however, except as otherwise provided in the plan, members of a collective bargaining unit or employees accruing benefits under any other retirement plan of the Company.

Effective December 31, 1986, the following plans merged into this Plan:

- California Pellet Mill Company Pension Plan
- Schlage Pension Plan
- The Torrington Company Retirement Plan for Salaried Employees
- Von Duprin Hourly Pension Plan
- Western Land Roller Revised Retirement Plan

Any employee who on December 31, 1986 was covered under this Plan, the California Pellet Mill Company Pension Plan, The Torrington Company Retirement Plan for Salaried Employees, or the Western Land Roller Revised Retirement Plan and who as of December 31, 1986 had attained age 55 or whose age and years of service equaled at least 80 is considered a Grandfathered Employee and remains covered under the principal provisions in effect under the plan he was participating in on December 31, 1986.

Effective December 31, 1987, the following plans merged into this Plan:

The Trane Technologies Company LLC Retirement Plan for Former Employees Represented by Local No. 289 International Union of Electrical, Radio and Machine Workers, AFL-CIO.

Retirement Plan for Former Bargaining Unit Employees of Trane Technologies Company LLC Represented by the International Association of Machinists and Aerospace Workers, Thames Lodge No. 144 of District Lodge No. 104.

SCHEDULE SB ATTACHMENTS

Coverage and participation (continued)

Effective February 1, 1990, The Aro Moore County Plant Hourly Employees' Pension Plan was merged into this plan.

Effective July 1, 1990, the Scienco, Inc. Employee Pension Plan was merged into this plan.

Effective December 31, 1991, the following plans merged into this Plan:

The Torrington Company UAW Local 1645 Retirement Plan
Pension Agreement between California Pellet Mill Company and United Steel Workers of America Local 4016
The Aro Corporation Bargaining Unit Employees' Pension Plan
The Aro Corporation Waterloo Plant Hourly Employees' Pension Plan
The Aro Corporation Waterloo-Plant Hourly Employees' Pension Plan

Effective December 31, 1994 the Pension Plan for the Bargaining Employees of Simmons-Rand Company was merged into this plan.

Effective December 31, 1997, The Torrington Company Retirement Plan for Hourly Employees Not Represented By a Bargaining Unit was merged into this plan.

Effective December 31, 1998, The Ingersoll Rand/Thermo King Pension Plan was merged into this plan. Plan provisions for employees of Thermo King who are represented by a bargaining unit are set forth in Appendix C. Effective January 12, 2003, all other salaried and non-bargaining employees of Thermo King are subject to the provisions described below in this Appendix C. Effective January 1, 2006, all salaried employees of Thermo King Puerto Rico are subject to the provisions described in this Appendix C.

Effective November 30, 1999 the Retirement Plan for Employees of Harrow Products, Inc., was merged into this plan. Effective January 1, 2003, all Harrow employees are subject to the provisions described below in this Appendix B.

Effective December 31, 1999, the Steelcraft Manufacturing Company Hourly Employees' Pension Plan was merged into this plan.

Effective December 31, 2006, the Zimmerman Handling Systems, Ingersoll Rand's Local #417 UAW Employees' Pension Plan was merged into this plan.

Effective April 30, 2007 all participants employed or formerly employed by Ingersoll Rand's Road Machinery business units were spun-off in connection with the sale of those business units to Volvo Construction Equipment-North America.

Effective November 30, 2007 all participants employed or formerly employed by Ingersoll Rand's Bobcat, Utility Equipment and Attachments business units

were spun-off in connection with the sale of those business units to Doosan Infracore.

Coverage and participation (continued)

Effective January 1, 2010 all current and future salaried and nonbargained hourly employees of Trane become participants of the plan. These participants receive accruals under the plan for credited service earned after 2009.

Effective January 1, 2010 all salaried and nonbargained hourly employees of Hussmann Corporation hired after December 31, 2009 became participants of the Plan. Participation for these employees ended when Hussmann Corporation was sold on September 30, 2011.

Effective June 7, 2012, all eligible non-bargained employees hired prior to July 1, 2012 were given a choice of remaining in the Plan until it freezes on December 31, 2022 or freezing their accrued benefits in the Plan as of December 31, 2012 and receiving an additional non-matching company contribution into the Ingersoll Rand Employee Savings Plan (Retirement Savings Choice).

Effective July 1, 2012 participation in this plan was closed to non-bargained employees hired or rehired after June 30, 2012.

Effective December 14, 2012 additional benefits were provided to former employees of Hussmann Corporation who became participants of the Plan on October 1, 2011 as a result of the sale of Hussmann Corporation.

Effective January 1, 2013, Plan One was amended to provide for immediate vesting of the accrued benefits upon death or disability for all salaried employees.

Effective December 1, 2013, certain participants employed or formerly employed by Ingersoll Rand's Security businesses were spun-off in connection with the sale of those business units to Allegion.

Effective January 1, 2015, Plan One was amended to change the normal form of payment for non-bargaining employees who were employed after January 1, 2003 and commence payment after January 1, 2015 to 10 years certain and continuous.

Effective January 1, 2020, certain participants employed or formerly employed by Ingersoll Rand's industrial businesses were spun-off in connection with the

sale of those business units to Gardner Denver Inc.

Effective May 1, 2020, in connection with the change in name of the plan sponsor, the plan name was changed from Ingersoll-Rand Pension Plan Number One to Trane Technologies Pension Plan Number One.

Definitions

Credited service	One month of service is credited for benefit purposes for each month where the employee works as a participant of the plan or prior plan for at least one day of the month, subject to any exclusion in the plan.
Vesting service and vesting	One month of service is credited for eligibility purposes for each month where the employee works as a participant of the plan or prior plan for at least one day of the month, subject to any exclusion in the plan. Additional vesting service may be credited for participation with a previous employer within the control group. A participant is vested after completing five years of vesting service.
Final average compensation/salary	The highest average of a participant's annual compensation for a 5 consecutive calendar year period during the last 10 calendar years preceding the date of termination of employment.
Normal retirement date (NRD)	An employee is eligible for a normal retirement benefit on the last day of the calendar month following the month in which he reaches age 65.

Eligibility for Benefits

Normal retirement	Retirement on NRD.
Postponed retirement	Retirement after NRD.
Early retirement	Every employee eligible for a vested benefit is entitled to commence benefits as of the first day of the calendar month following his separation from service or on the first day of any calendar month thereafter.
Disability benefits	Pre-2004 – totally and permanently disabled prior to January 1, 2004 and receiving benefits under the Long Term Disability Plan are eligible provided

they have 15 years of Vesting Service and are not receiving a benefit under the plan.

Post-2004 – disabled after December 31, 2003 with 100% vesting.

Preretirement death benefit

The surviving spouse of any employee who is married on his date of death or the designated beneficiary of any employee who is not married on his date of death is eligible for a pre-retirement death benefit. Non-spouse beneficiaries are permitted under these provisions, subject to IRS consent rules.

Benefits Paid Upon the Following Events

Normal retirement

The monthly benefit payable as a single life annuity with 10 years certain at Normal Retirement Date is equal to the greater of (i) + (ii) + (iii) and (iv) below:

(i) monthly accrued benefit at December 31, 2002 (or December 31, 2005 for Thermo King Puerto Rico participants) under the plan provisions in effect on December 31, 2002 (December 31, 2005 for Thermo King Puerto Rico participants)

(ii) 0.5% of Final Average Pay times years of credited service earned after December 31, 2002 (or December 31, 2005 for Thermo Kind Puerto Rico participants)

(iii) Plan One Transition Benefit: 0.5% of Final Average Pay in excess of $30,000 times years of credited service earned after December 31, 2002. This transition benefit applies only to employees who were participants in this plan on December 31, 2002, are at least age 50 and whose age plus service exceeds 60 on January 1, 2003 and does not apply to Thermo King employees.

Thermo King Transition Benefit: The increase in (i) above resulting from an increase of 3% for each year of credited service after January 1, 2003 (or January 1, 2006 for Thermo King Puerto Rico participants). This transition benefit applies only to Thermo King employees who were contributing participants in this plan on December 31, 2002, (or December 31, 2005 for Thermo King Puerto Rico employees) who are at least age 45 and whose age plus service exceeds 55 on January 1, 2003 (or January 1, 2006 for Thermo King Puerto Rico participants).

(iv) 0.5% of Final Average Pay times all years of credited service

Participants who elected to waive participation in the Plan under Retirement Savings Choice have a frozen accrued benefit as of December 31, 2012. All other participants will continue to accrue a benefit until the earlier of date of termination or December 31, 2022.

SCHEDULE SB ATTACHMENTS

Postponed retirement	Effective January 1, 1989, employees may work past the age of 65 and continue to earn credited service. The benefit formula and forms are the same as with a normal retirement and commence on the last day of the month succeeding the participant's late retirement.
Early retirement	The early retirement benefit is equal to the normal retirement benefit reduced by 0.3% for each whole calendar month that the benefit commencement date precedes the normal retirement date, provided that the reduction not exceed 85%.
Disability Benefits	Pre-2004 - Same as normal retirement based on service while receiving LTD benefits and compensation in last full year prior to disability. Waiting Period: Following cessation of LTD benefit payments at normal or late retirement date. Post-2004 – Normal or early retirement benefit.
Preretirement death	The pre-retirement death benefit payable to the designated beneficiary of an employee who is not married on his date of death is equal to one half of the benefit which would be payable to the participant had the participant separated from service on the date of death and elected to commence a single life annuity, payable as a lump sum. The pre-retirement death benefit payable to the surviving spouse of a participant who is married on his date of death is equal to one half the benefit that would be payable to the participant had the participant separated from service on the date of death, survived to the benefit commencement date elected by the spouse and elected to commence a single life annuity.

Other Plan Provisions

Forms of payment	<u>Normal form</u> For an unmarried participant the normal form of payment is a monthly pension for the life of the employee. This single life annuity for an unmarried participant includes a ten-year payment guarantee. For a married participant the normal form of payment is a reduced monthly pension which provides for a continuation of payments equal to one-half of the reduced pension to the surviving spouse after the employee's death. <u>Optional forms</u> Any employee may elect, by written application, to receive the normal benefit or other optional forms of benefit payment. Optional forms of payment include a lump sum payment; a contingent annuity and a life with term certain annuity. Some optional forms are not available to participants who commence benefits before age 55.

SCHEDULE SB ATTACHMENTS

Actuarial equivalence	Lump sum distributions or Social Security Level option – based on (i) applicable mortality table specified in Section 417e(3) of Code (as amended) and (ii) an interest rate defined in Section 417e(3)(A)(ii)(II) of the Code (as amended) for the month of October preceding the Plan Year of distribution. The applicable interest rate shall be effective for the entire Plan Year in which the distribution occurs. All other forms – based on a 5% compound annual interest rate and a fixed blend of 70% of the males mortality rates and 30% of the female mortality rates from the 1994 Group Annuity Reserve (GAR) Table.
Pension Increases	None.
Plan participants' contributions	Not required or permitted.
Maximum on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are assumed for determining pension cost but not for determining contributions.

Future Plan Changes

No future plan changes were recognized in determining pension cost or in determining minimum and maximum contributions. Willis Towers Watson is not aware of any future plan changes.

Changes in Benefits Valued Since Prior Year

None.

Substantive Commitment

None.

SCHEDULE SB ATTACHMENTS

Summary of principal plan provisions applicable to bargaining employees at the Thermo King Minneapolis location.

Plan Provisions

The plan was originally effective October 31, 1997. The Ingersoll Rand/Thermo King Pension Plan (Plan 73) was merged into IR Pension Plan Number One on December 31, 1998. The plan was most recently amended effective January 1, 2006. The plan was closed to new participants effective June 20, 2013.

Coverage and participation	All eligible employees may participate in the Plan. On and after January 1, 1995, employees must elect to contribute 1.50% of compensation in order to earn a pension.

Definitions

Credited service	One month of service is credited for benefit purposes for each month where the employee works as a participant of the plan or prior plan for at least one day of the month, subject to any exclusion in the plan.
Vesting service and vesting	One month of service is credited for eligibility purposes for each month where the employee works as a participant of the plan or prior plan for at least one day of the month, subject to any exclusion in the plan. Additional vesting service may be credited for participation with a previous employer within the control group. A participant is vested after completing five years of vesting service.
Compensation	Compensation used for valuation purposes is the annual rate of pay.
Normal retirement date (NRD)	An employee is eligible for normal retirement on the first day of the month next following the later of age 65 and 5 years of eligibility service.

Eligibility for Benefits

Normal retirement	Retirement on NRD.
Postponed retirement	Retirement after NRD.
Vested termination	Termination for reasons other than death or retirement after completing five years of vesting service.
Early retirement	Retirement after age 60 with at least 10 years of service or after age 58 with at least 30 years of service.

SCHEDULE SB ATTACHMENTS

Preretirement death benefit

Married and certain number of years eligibility service as indicated below:

Age	Eligibility Service
Any	25 years or more
60 or older	10 years or more
50 or older	15 years or more

Benefits Paid Upon the Following Events

Normal retirement

The greater of (i) and (ii) below:

(i) Under the Career Accumulation Method, the normal retirement benefit equals the sum of the monthly amount accumulated to January 1, 1992, plus $^1/_{12}$ of 2% of compensation for each calendar year commencing on or after January 1, 1992 in which an employee contributed. A minimum of $15 per year of credited service applied for 1992, 1993 and 1994 regardless of an employee's election to contribute to the Plan.

(ii) Under the Flat Rate Method, the normal retirement benefit equals the sum of $38 times years of credited service while contributing to the Plan, plus $13 times years of credited service prior to January 1, 1995 in which an employee was eligible to contribute to the Plan, but elected not to contribute.

Postponed retirement

Employees may work past the age of 65 and continue to earn credited service. The benefit formula and forms are the same as with a normal retirement and commence on the last day of the month succeeding the participant's late retirement.

Vested termination

The benefit is based on amount of service as follows:

(i) If a participant terminates employee with fewer than 5 years of vesting service, the employee will receive a refund of employee contributions plus interest, or if over $5,000, an actuarially equivalent annuity beginning any time up to normal retirement date.

(ii) If a participant terminates employment with 5 years or more of vesting service, the benefit is the greater of the benefit determined as for normal retirement and an annuity that is the actuarial equivalent of the participant's contributions with interest.

(iii) A participant who attains (i) age 58 with at least 30 years of eligibility service or (ii) age 60 with at least 10 years of eligibility service can elect to receive benefits prior to normal retirement date, reduced by $^1/_2$ of 1% for each month that benefit commencement precedes normal retirement date.

SCHEDULE SB ATTACHMENTS

Early retirement

Based on hire date as noted below:

(i) For employees hired after December 31, 1994, the early retirement benefit is equal to the normal retirement benefit reduced by 0.5% per month that early retirement date precedes participant's normal retirement date.

(ii) For employees hired before January 1, 1995, the early retirement benefit is equal to the normal retirement benefit reduced by $^1/_3$ of 1% per month that early retirement date precedes participant's normal retirement date. If the participant has 30 or more years of service, the benefit will be reduced by $^1/_4$ of 1% per month that early retirement date precedes participant's 60th birthday.

Early Retirement Supplement: For employees hired prior to January 1, 1995 who retire early and elect an annuity form of payment, a temporary monthly supplement is payable until age 62 equal to $10 per year of Credited Service.

Preretirement death

Pre-Retirement Death Benefit: Immediate benefit payable to participant's spouse equal to 55% of the benefit determined as for Early Retirement, except that benefits are reduced as if the employee retired at the date of death (subject to a maximum benefit reduction for early commencement) assuming that the Joint and 55% form of payment had been elected. Payments are guaranteed for 60 months and payable to the spouse's beneficiary if necessary. Alternatively, a lump sum payment based upon the benefit accrued through December 31, 1994 is available.

Vested Death Benefit: Deferred benefit, payable to participant's spouse at what would have been the employee's earliest benefit commencement date, equal to 55% of the Termination Benefit, assuming that the Joint and 55% form of payment had been elected. Payments are guaranteed for 60 months and payable to the spouse's beneficiary if necessary.

SCHEDULE SB ATTACHMENTS

Other Plan Provisions

Forms of payment Normal form

For a single employee, the normal form of payment is a monthly pension ceasing at the retired employee's death. For a married employee, the normal form of payment is a reduced monthly pension which allows for a continuation of payments equal to 55% of the reduced pension to the surviving spouse after the employee's death.

Optional forms

Any employee may elect, by written application, to receive the normal benefit or other optional forms of benefit payment. These include single life annuity, joint and 100% survivor annuity, joint and 55% survivor annuity, lump sum (based upon the benefit accrued as of 12/31/94 (any additional benefit accruals are payable in any of the other optional benefit forms)) and a minimum guarantee of the greater of (i) 60 times the monthly annuity benefit, and (ii) the accumulated contributions plus interest, is applied to annuity benefit options payable under the Plan, without regard to any early retirement supplements.

For participants hired before January 1, 1995 who elect a lump sum, the payment is the sum of (i) and (ii) as follows:

(i) A payment equal to the lump sum equivalent of the normal retirement benefit determined as of December 31, 1994. The lump sum equivalent will be calculated assuming benefits begin at Early Retirement Date. Benefits are reduced for early commencement $^1/_3$ of 1% for each month that the Early Retirement Date precedes Normal Retirement Date, or, if the participant has 30 or more years of Eligibility Service, by $^1/_4$ of 1% for each month that Early Retirement Date precedes the first of the month following the participant's 60th birthday.

(ii) An annuity equal to the difference between (a) the normal retirement benefit (based on total Credited Service) determined as of the participant's Early Retirement Date and reduced by $^1/_2$ of 1% for each month that Early Retirement Date precedes Normal Retirement Date, and (b) the normal retirement benefit determined as of December 31, 1994, reduced for early commencement as described in (i) above.

SCHEDULE SB ATTACHMENTS

Actuarial equivalence	Lump sum distributions or Social Security Level option – based on (i) applicable mortality table specified in Section 417e(3) of Code (as amended) and (ii) an interest rate defined in Section 417e(3)(A)(ii)(II) of the Code (as amended) for the month of October preceding the Plan Year of distribution. The applicable interest rate shall be effective for the entire Plan Year in which the distribution occurs. All other forms – based on a 5% compound annual interest rate and a fixed blend of 70% of the males mortality rates and 30% of the female mortality rates from the 1994 Group Annuity Reserve (GAR) Table.
Pension Increases	None.
Plan participants' contributions	On and after January 1, 1995, employees must elect to contribute 1.50% of compensation in order to earn a pension.
Maximum on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are assumed for determining pension cost but not for determining contributions.

Future Plan Changes

No future plan changes were recognized in determining pension cost or in determining minimum and maximum contributions. Willis Towers Watson is not aware of any future plan changes.

Changes in Benefits Valued Since Prior Year

None.

Substantive Commitment

None.

Trane Technologies
Pension Plan Number One

Financial Statements
December 31, 2020 and 2019

Trane Technologies Pension Plan Number One
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Note: Schedules required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, as amended (ERISA) have not been presented because the Trane Technologies Pension Plan Number One's only investment is in the Trane Technologies Collective Trust (Trust).

Independent Auditors' Report

To the Participants and Plan Administrator of the
Trane Technologies Pension Plan Number One
Davidson, NC

Report on the Financial Statements
We were engaged to audit the accompanying financial statements of the Trane Technologies Pension Plan Number One (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2020 and 2019, the related statements of changes in net assets available for benefits for the years then ended, the statement of accumulated plan benefits as of December 31, 2019, the related statement of changes in accumulated plan benefits for the year ended December 31, 2019, and the related notes to the financial statements.

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

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

Basis for Disclaimer of Opinion
As permitted by 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 ("ERISA"), the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 4, which was certified by JP Morgan Chase 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 a certification from the trustee as of December 31, 2020 and 2019, and for the years then ended, 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.

Report on Form and Content in Compliance with DOL Rules and Regulations
The form and content of the information included in the financial statements, 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 DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Dixon Hughes Goodman LLP

Charlotte, NC
October 15, 2021

Trane Technologies Pension Plan Number One
Statements of Net Assets Available for Benefits
December 31, 2020 and 2019

	2020	2019
Assets		
Plan's gross interest in Collective Trust, at fair value (Note 4)	$ 1,226,117,796	$ 1,319,771,887
Employer contribution receivable	15,900,000	16,500,000
Total Assets	1,242,017,796	1,336,271,887
Liabilities		
Pending transfers (Note 1)	12,034,300	304,237,449
Accrued expenses	698,567	1,709,480
Total Liabilities	12,732,867	305,946,929
Net assets available for benefits	$ 1,229,284,929	$ 1,030,324,958

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

Trane Technologies Pension Plan Number One
Statements of Changes in Net Assets Available for Benefits
Years Ended December 31, 2020 and 2019

	2020	2019
Additions to net assets attributable to:		
Plan's interest in income of the Collective Trust (Note 4)	$ 156,228,183	$ 235,974,327
Contributions:		
Employer	15,900,000	16,500,000
Employee	8,637	12,539
Total contributions	15,908,637	16,512,539
Total additions	172,136,820	252,486,866
Deductions from net assets attributable to:		
Benefit payments to pensioners and beneficiaries	79,625,339	95,417,615
Trustee and investment management fees	2,588,515	3,440,473
Professional and PBGC fees	3,477,593	9,532,167
Total deductions	85,691,447	108,390,255
Net increase prior to transfers	86,445,373	144,096,611
Transfers from (to) other Plans (Note 1)	112,514,598	(304,237,449)
Net increase (decrease)	198,959,971	(160,140,838)
Net assets available for benefits		
Beginning of year	1,030,324,958	1,190,465,796
End of year	$ 1,229,284,929	$ 1,030,324,958

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

Trane Technologies Pension Plan Number One
Statement of Accumulated Plan Benefits
December 31, 2019*

Actuarial present value of accumulated plan benefits (Note 2)		
Vested benefits		
Participants currently receiving payments	$	610,012,350
Other participants		406,867,419
Total vested benefits		1,016,879,769
Nonvested benefits		2,870,914
Total actuarial present value of accumulated plan benefits	$	1,019,750,683

*Based on the latest actuarial valuation at January 1, 2020.

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

Trane Technologies Pension Plan Number One
Statement of Changes in Accumulated Plan Benefits
Year Ended December 31, 2019*

Actuarial present value of accumulated plan benefits at January 1, 2019	$ 1,216,691,114
Increase (decrease) during the year attributable to:	
Increase for interest due to a decrease in the discount period	65,663,548
Benefits accumulated	24,900,385
Net actuarial gains (losses)	20,920,074
Benefits paid	(95,417,615)
Change of assumptions	98,973,335
Transfers from (to) other Plans	(311,980,158)
Net increase during the year	(196,940,431)
Actuarial present value of accumulated plan benefits at December 31, 2019	$ 1,019,750,683

*Based on the latest actuarial valuation at January 1, 2020.

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

1. Description of the Plan

The following brief description of the Trane Technologies Pension Plan Number One (the Plan) is provided for general information purposes. Participants should refer to the plan document or summary plan description for further information.

General

Except for a small group of union employees, the Plan is a noncontributory defined benefit plan covering United States employees of most U.S. subsidiary companies of Trane Technologies plc (the Company) and certain Puerto Rico salaried employees of subsidiaries of the Company not covered by other defined benefit pension plans as defined by the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA), the Internal Revenue Code of 1986, as amended (IRC), and the Puerto Rico Internal Revenue Code of 2011. The Plan is sponsored by Trane Technologies Company LLC, a U.S. subsidiary of Trane Technologies plc.

History

On February 29, 2020, the Company completed its Reverse Morris Trust transaction (the Transaction) with Gardner Denver Holdings, Inc. (Gardner Denver) whereby the Company separated its former Industrial segment (Ingersoll Rand Industrial) through a pro rata distribution to shareholders of record as of February 24, 2020. Ingersoll Rand Industrial then merged into a wholly-owned subsidiary of Gardner Denver, which changed its name to Ingersoll-Rand Inc. Ingersoll-Rand plc was renamed Trane Technologies plc. Trane Technologies plc now operates as a global climate innovator that brings efficient and sustainable climate solutions to buildings, homes and transportation driven by strategic brands and an environmentally responsible portfolio of products and services. Pursuant to the transaction terms, the Company created a mirror qualified pension plan and separate trust into which the assets and liabilities related to participants effected by the separation were transferred. To simplify the administrative burden of separation and continued plan administration, the Company and Gardner Denver agreed to separate the conveying employees prior to the close of the transaction into a newly formed plan, Ingersoll-Rand Industrial U.S., Inc. Pension Plan (Industrial Plan) which is sponsored by Ingersoll-Rand Industrial U.S., Inc., a subsidiary of Ingersoll-Rand, Inc. The Industrial Plan was established as a mirror pension plan to provide benefits to participants who are employees and former employees of the former Industrial Segment. On December 31, 2019, actuarially allocated assets in the amount of $304,237,449 and the corresponding pension liabilities were due to be transferred to the Industrial Plan. The majority of the funds transferred during January and February of 2020 with a small percentage held back to be adjusted for activity for the first two months of the year. The Industrial Plan transferred with the Transaction. A final transfer of $12,034,300 occurred in July 2021 to allow for any remaining activity and investment return on the remaining assets as agreed upon by the parties in the Transaction.

The Retirement Plan for Former Employees of Trane Technologies was merged into the Plan as of December 31, 2020. Net assets of $114,604,560 and all related liabilities of the Retirement Plan for Former Employees of Trane Technologies transferred at the time of the merger.

Pension Benefits

The normal retirement age is 65, subject to variations for specific subsidiaries. Participants who performed an hour of service after January 1, 2003 are eligible to receive payment of their vested benefit at any time after leaving the Company, subject to variations for specific subsidiaries. The monthly pension benefit is based on annual eligible compensation (as defined by the Plan), years of credited service, and, in certain cases, Social Security benefit. Variations of this formula apply to employees and former employees of specific subsidiaries and discontinued operations of the Company. Employees electing early retirement receive reduced pension benefits based on the difference between the normal retirement date and the date when pension payments begin. Variation of reduction in benefit payments depends on the variation related to the subsidiaries. The Plan also provides for automatic surviving spouse benefits, in accordance with variations of the Plan and applicable law. Certain vested participants have the option to take an immediate lump sum payment. Plan participants are 100% vested upon reaching five years of service or, while employed, attaining age 65. Beginning January 1, 2013, a participant also shall be 100% vested if, while employed, becomes disabled or dies.

On June 8, 2012, the Trane Technologies plc Board of Directors approved amendments to the retirement plans for certain U.S. and Puerto Rico non-bargained employees. The amendments provided that eligible participants hired prior to July 1, 2012 were given a choice to continue participation in the Plan until the Plan freezes on December 31, 2022 (or the participant's date of termination, if earlier) or to freeze their accrued benefits in the Plan as of December 31, 2012 and to begin receiving an additional 2% non-matching company contribution into the Company's applicable defined contribution plan. Eligible non-bargained employees hired or rehired on or after July 1, 2012 will not be eligible to participate in the Plan and instead will automatically receive the 2% non-matching company contribution into the applicable defined contribution plan. Beginning January 1, 2023, all eligible non-bargained employees will receive the 2% non-matching contribution into the applicable defined contribution plan and will no longer accrue any further benefit in the Plan.

2. Summary of Significant Accounting Policies

Basis of Accounting
The financial statements of the Plan are prepared under the accrual method of accounting.

Use of Estimates
The preparation of financial statements in accordance with accounting U.S. Generally Accepted Accounting Principles (GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities and changes therein, disclosure of contingent assets and liabilities, and the actuarial present value of accumulated plan benefits at the dates of the financial statements. Actual results could differ from those estimates and assumptions.

Valuation of Investments
Plan investments are held in the Trane Technologies Collective Trust (Trust), a master trust administered by the JPMorgan Chase Bank N.A. (the Trustee). The Trust provides unified investment management for certain U.S. tax qualified pension plans of Trane Technologies plc and its domestic subsidiaries.

The Trust maintains separate accounts at fair value for each participating defined benefit plan. Each account records contributions, benefit payments and direct plan disbursements and receipts, and a pro rata share of indirect expenses, realized and unrealized gains or losses, interest and dividend income. Pro rated items are allocated monthly to each account based on each participating Plan's beginning of month asset value in relation to the total Trust assets.

Investments in the Trust are reported at fair value. 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. See Note 3 for a discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation (depreciation) represents the Plan's pro-rata share of net realized and unrealized gains and losses on the Trust's investments.

Funding Policy
The Company's funding policy is to make annual minimum contributions as required by law as determined by the Plan's actuary, and other contributions in its discretion as allowed by law. The Plan's actuary determines the required contributions using the Projected Unit Credit Cost Method. As determined by the Plan's actuary, no contributions were required during 2020 and 2019; however, the Company made contributions of $15,900,000 and $16,500,000 during 2020 and 2019, respectively. The amounts over the minimum required contributions were discretionary. Generally, the Plan is non-contributory; however, one of the Company's former contributory defined benefit plans was previously merged into the Plan. After the merger, a small group of collectively bargained participants under this variation of the Plan must continue to contribute a certain percentage of eligible union wages, as defined, to the Plan as a condition of participation.

Expenses
The Plan pays many expenses incurred with administrating the Plan and a pro rata share of the Trust expenses. The Plan's actuarial cost method includes a factor to fund such expenses through employer contributions. Fees paid by the Plan include various professional fees, investment fees, Pension Benefit Guaranty Corporation (PBGC) fees and any other costs of administering the Plan. The PBGC requires the Plan to pay an annual flat rate premium based on the number of participants in the Plan. The Plan may also be subject to an additional variable rate premium based on the amount of unfunded vested benefits as calculated by an actuary.

Benefit Payments
Benefit payments are recorded when paid.

Subsequent Events
The Plan has evaluated subsequent events through October 15, 2021, in connection with the preparation of these financial statements, which is the date the financial statements were available to be issued. No material events were noted.

Actuarial Present Value of Accumulated Plan Benefits
Accumulated plan benefits are those future periodic payments, including lump-sum distributions that are attributable under the Plan's provisions to the credited service that employees have rendered. Accumulated plan benefits include vested benefits expected to be paid to retired or terminated employees or their beneficiaries, beneficiaries of employees who have died, and present employees or their beneficiaries or alternate payees under a qualified domestic relations order (QDRO). Benefits payable under all circumstances are included to the extent they are deemed attributable to employee credited service rendered to the valuation date.

The actuarial present value of accumulated plan benefits at January 1, 2020 was determined by the Plan's actuary. The actuarial present value 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.

The significant actuarial assumptions used in the valuation at January 1, 2020 and 2019 were as follows:

- Mortality assumptions:

	January 1, 2020	January 1, 2019
Healthy	Base Mortality Table - RP-2006 sex distinct employee and annuitant rates underlying the RP-2014 mortality tables projected to 2014 base year using MP-2017. Mortality Projection Scale - MP-2019 sex distinct projection scales.	Base Mortality Table - RP-2006 sex distinct employee and annuitant rates underlying the RP-2014 mortality tables projected to 2014 base year using MP-2017. Mortality Projection Scale - MP-2018 sex distinct projection scales.
Disabled	Same as healthy	Same as healthy

- Retirement ages, which start at 55 and use actual plan experience.
- Turnover rates, which vary with age and length of service.
- Administrative expense assumption was $4,247,461 and $9,737,000 for 2020 and 2019, respectively.
- Average interest rate, which is assumed to be 4.50% and 5.50% in 2020 and 2019, respectively.

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.

3. Fair Value Measurements

Fair value is defined as the exchange price that would be received to sell an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Fair value measurements are based on a framework that utilizes the inputs market participants use to determine the fair value of an asset or liability and establishes a fair value hierarchy to prioritize those inputs. The fair value hierarchy is comprised of three levels that are described below:

Level 1 Inputs to the valuation methodology are based on quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 Inputs other than Level 1. Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in markets that are not active;
- Other inputs that are observable or can be corroborated by observable market data for substantially the full term of the asset or liability.

Level 3 Inputs to the valuation methodology are unobservable inputs based on little or no market activity and that are significant to the fair value of the assets and liabilities.

The fair value hierarchy requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. Observable inputs are obtained from independent sources and can be validated by a third party, whereas unobservable inputs reflect assumptions regarding what a third party would use in pricing an asset or liability based on the best information available under the circumstances. A financial instrument's categorization within the fair value hierarchy is based upon the lowest level of input that is significant to the fair value measurement.

Following is a description of the valuation methodologies used for the underlying assets in the Trust measured at fair value. There have been no significant changes in the methodologies used at December 31, 2020 and 2019.

Commingled funds: The investments are public investment vehicles valued using their daily Net Asset Value (NAV) per share or the equivalent. NAV per share or the equivalent is used for fair value purposes as a practical expedient. NAVs are calculated by the investment manager or sponsor of the fund. The NAV is a reasonable exit price, but it is quoted in a market that is not active. As a result, these funds are not subject to leveling.

U.S. government and agency obligations: Quoted market prices are not available for these securities. Fixed income securities are valued through a market approach with inputs including, but not limited to, benchmark yields, reported trades, broker quotes and issuer spreads. Such securities are classified as Level 2.

Corporate and foreign bonds: Quoted market prices are not available for these securities. Fixed income securities are valued through a market approach with inputs including, but not limited to, benchmark yields, reported trades, broker quotes and issuer spreads. Such securities are classified as Level 2 and Level 3.

Mortgage-backed securities, collateralized mortgage obligations and other asset-backed securities: Prices are based on a compilation of primarily observable market information or a broker quote in a non-active market. Fixed income securities are valued through a market approach with inputs including, but not limited to, benchmark yields, reported trades, broker quotes and issuer spreads. Such securities are classified as Level 2.

Registered mutual fund - equity specialty: The shares of registered investment companies are valued at quoted market prices in an exchange or active market. Registered mutual funds are pooled assets of multiple investors overseen by investment managers. Investors own a proportionate interest in the fund (i.e. number of units of the fund). Daily price (NAV per share) is determined based on the total market value of the fund divided by total number of shares outstanding. Registered mutual funds are typically daily traded, and their NAVs are publicly quoted. As a result, these funds are not subject to leveling.

Registered mutual fund - fixed income specialty: The shares of registered investment companies are valued at quoted market prices in a closed exchange. Registered mutual funds are pooled assets of multiple investors overseen by investment managers. Investors own a proportionate interest in the fund (i.e. number of units of the fund). Daily price (NAV per share) is determined based on the total market value of the underlying assets of the fund divided by total number of shares outstanding. As a result, these funds are not subject to leveling.

Cash and cash equivalents: The investments are valued using a market approach with inputs including quoted market prices for either identical or similar instruments. As these investments are not traded on active markets, these investments are classified as Level 2.

Real estate limited partnerships: Investments in real estate take the form of direct investment in real estate funds. Private real estate fund values are reported by the fund manager and are based on valuation or appraisal of the underlying investments. As the investments are infrequently traded and may not have available comparables, these investments are classified as Level 3.

Derivatives: Exchange-traded derivatives valued using quoted prices are classified within level 1 of the valuation hierarchy. If they are not listed on an exchange, derivative contracts are valued using models that use as their basis readily observable market parameters, which are actively quoted in the market and can be validated through external sources. Depending on the types and contractual terms of derivatives, fair value can be modeled using a series of techniques, such as the Black-Scholes option pricing model, simulation models or a combination of various models, which are consistently applied. Most of the inputs for this valuation are readily observable from actively quoted markets. Such instruments are generally classified as Level 2.

Guaranteed Interest Contracts (GIC): The value is reported based upon observable inputs, including the insurance company's assumptions as to what market participants would use in pricing such instruments. GICs are classified as Level 3.

The methods described above may produce a fair value that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs. See Note 4 for further disclosures of the fair value of the assets held within the Trust.

4. Investments in the Trane Technologies Collective Trust (Master Trust)

All of the Plan's investments are included in the Trust, which was established for the investment of assets of the Plan and certain other Company sponsored U.S. tax qualified retirement plans. Each participating retirement plan has an undivided interest in the Trust. Assets of the Trust are held by the Trustee. At December 31, 2020 and 2019, the Plan's interest in the net assets of the Trust was approximately 100% and 92.69%, respectively. The Retirement Plan for Former Employees of Trane Technologies was merged into the Plan as of December 31, 2020. As such, the Plan is the sole plan in the Master Trust at December 31, 2020. The Master Trust will be maintained as the Company has announced plans to move other sponsored U.S. tax qualified retirement plans into the trust during 2021.

The following investments and net appreciation (depreciation) in fair value of investments, interest, and dividend income and other receipts of the Trust are certified by the Trustee to be complete and accurate. The Trustee has also certified the Plan's proportionate share of such items to be complete and accurate. The Trust financial statements are prepared on the modified cash basis of accounting, while the Plan's financial statements are prepared on the accrual basis of accounting.

	2020	
	Master Trust Balances	**Plan's interest in Master Trust Balances**
Investments, at fair value		
Cash and cash equivalents	$ 23,608,552	$ 23,608,552
Commingled funds	228,899,174	228,899,174
U.S. government and agency obligations	336,505,885	336,505,885
Corporate and foreign bonds	527,198,042	527,198,042
Asset-backed and mortgage-backed securities	43,809,741	43,809,741
Registered mutual funds - fixed income specialty	32,187,714	32,187,714
Registered mutual funds - equity specialty	27,270,961	27,270,961
Other investments (including real estate limited partnerships, derivatives, and guaranteed interest contracts)	1,628,812	1,628,812
Total investments	1,221,108,881	1,221,108,881
Receivables		
Accrued interest and dividends	6,408,794	6,408,794
Securities sold	11,854,274	11,854,274
Other receivables	45,755	45,755
Total receivables	18,308,823	18,308,823
Total assets	1,239,417,704	1,239,417,704
Liabilities		
Due to broker for securities purchased	13,299,908	13,299,908
Total liabilities	13,299,908	13,299,908
Net assets available for benefits	$ 1,226,117,796	$ 1,226,117,796

	2019	
	Master Trust Balances	**Plan's interest in Master Trust Balances**
Investments, at fair value		
Cash and cash equivalents	$ 16,819,958	$ 15,590,250
Commingled funds	267,830,859	248,249,726
U.S. government and agency obligations	378,826,924	351,130,861
Corporate and foreign bonds	631,443,176	585,278,321
Asset-backed and mortgage-backed securities	65,283,768	60,510,867
Registered mutual funds - fixed income specialty	26,601,482	24,656,646
Registered mutual funds - equity specialty	28,620,177	26,527,754
Other investments (including real estate limited partnerships, derivatives, and guaranteed interest contracts)	2,568,108	2,380,353
Total investments	1,417,994,452	1,314,324,778
Receivables		
Accrued interest and dividends	8,760,120	8,119,667
Securities sold	23,902,257	22,154,761
Other receivables	59,216	54,887
Total receivables	32,721,593	30,329,315
Total assets	1,450,716,045	1,344,654,093
Liabilities		
Due to broker for securities purchased	26,857,923	24,882,206
Total liabilities	26,857,923	24,882,206
Net assets available for benefits	$ 1,423,858,122	$ 1,319,771,887

Net appreciation (depreciation) of investments and interest and dividend income for the Trust for the years ended December 31, were as follows:

	2020	2019
Investment income:		
Net appreciation (depreciation) in fair value of investments		
U.S Government and agency obligations	$ 50,585,903	$ 45,984,470
Corporate and foreign bonds	50,162,220	94,666,211
Commingled funds	36,990,712	61,575,328
Mutual funds	5,103,739	9,186,030
Asset-backed and mortgage-backed securities	248,218	708,424
Common and preferred stocks	3,086	35,510
Other investments	(396,993)	1,078,317
	142,696,885	213,234,290
Interest and dividend income	29,352,519	41,165,263
Total investment income (loss)	$ 172,049,404	$ 254,399,553

The following summarizes the classification of the underlying investments within the Trust by classification and method of valuation as of December 31, 2020:

	Level 1	Level 2	Level 3	Net Asset Value	Total
Collective Trust:					
Cash and cash equivalents	$ —	$ 23,608,552	$ —	$ —	$ 23,608,552
U.S. government and agency obligations	—	336,505,885	—	—	336,505,885
Corporate and foreign bonds	—	527,198,042	—	—	527,198,042
Registered mutual funds - equity specialty	—	—	—	27,270,961	27,270,961
Registered mutual funds - fixed income specialty	—	—		32,187,714	32,187,714
Asset backed and mortgage-backed securities	—	43,809,741	—	—	43,809,741
Commingled funds - equity specialty	—	—	—	228,899,174	228,899,174
Other investments	—	(153,237)	1,782,049	—	1,628,812
Total investments, at fair value	$ —	$ 930,968,983	$ 1,782,049	$ 288,357,849	$ 1,221,108,881

The following summarizes the classification of the underlying investments within the Trust by classification and method of valuation as of December 31, 2019:

	Level 1	Level 2	Level 3	Net Asset Value	Total
Collective Trust:					
Cash and cash equivalents	$ —	$ 16,819,958	$ —	$ —	$ 16,819,958
U.S. government and agency obligations	—	378,826,924	—	—	378,826,924
Corporate and foreign bonds	—	631,108,091	335,085	—	631,443,176
Registered mutual funds - equity specialty	—	—	—	28,620,177	28,620,177
Registered mutual funds - fixed income specialty	—	—		26,601,482	26,601,482
Asset backed and mortgage-backed securities	—	65,283,768	—	—	65,283,768
Commingled funds - equity specialty	—	—	—	267,830,859	267,830,859
Other investments	—	154,942	2,413,166	—	2,568,108
Total investments, at fair value	$ —	$1,092,193,683	$ 2,748,251	$ 323,052,518	$1,417,994,452

A summary of changes in the fair value of the Trust's level 3 assets was not presented as the level 3 investments were not deemed to be material to the assets held in the Trust.

5. Plan Termination

Except for a small group of employees who are subject to a collective bargaining agreement, Trane Technologies plc has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions set forth in ERISA and the IRC. In the event the Plan is terminated, the net assets of the Plan will be allocated, as prescribed by ERISA and the IRC and its respective related regulations.

Certain benefits under the Plan are insured by the PBGC if the Plan is terminated. Generally, the PBGC guarantees most vested normal age retirement benefits, early retirement benefits, and certain disability and survivor's benefits. However, the PBGC does not guarantee benefits to all Plan participants and for all types of benefits and the amount of benefit protection is subject to certain limitations.

Whether all participants receive their benefits should the Plan be terminated will depend on the sufficiency, at that time, of the Plan's net assets to provide those benefits and may also depend on the level of benefits guaranteed by the PBGC.

6. Tax Status

The Internal Revenue Service has determined and informed the Company by a letter dated April 28, 2017, that the Plan and related trust are designed in accordance with the applicable sections of the IRC to be exempt from taxation. The plan administrator believes that the Plan is designed and is being operated in material compliance with the applicable requirements of the IRC.

GAAP requires plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the Internal Revenue Service. The plan administrator has analyzed the tax positions taken by the Plan and has concluded that as of December 31, 2020 and 2019, there are no uncertain positions taken or expected to be taken that would require recognition of a liability or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

7. Transactions with Parties-in-interest

Through the Trust, certain plan investments are held by JPMorgan Chase Bank, N.A. JPMorgan Chase Bank, N.A. is the trustee as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions. These transactions are allowable party-in-interest transactions under Section 408(b)(8) of the ERISA regulations.

8. Risks and Uncertainties

Through the Trust, the Plan invests in various stocks, bonds, fixed-income and other investment securities. These securities are exposed to various risks, such as interest rate, market and credit risks. The Benefit Investment Committee's (BIC) objective in managing defined benefit plan assets is to ensure that all present and future benefit obligations are met as they come due. It seeks to achieve this goal while trying to mitigate volatility in plan funded status, contribution, and expense by better matching characteristics of the plan assets to that of the plan liabilities. The BIC utilizes a dynamic approach to asset allocation whereby a plan's allocation to fixed income assets increases as the plan's funded status improves. Due to the level of risk associated with certain of the Trust's investments, and the level of uncertainty related to changes in the fair values of such investments, it is at least reasonably possible that changes in such risks in the near term would materially affect the Plan's investment balances, and amounts reported in the Statements of Net Assets Available for Benefits and the Statements of Changes in Net Assets Available for Benefits.

Plan contributions are made and the actuarial present value of accumulated plan benefits is reported 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 estimations and assumptions process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

As a result of the spread of the coronavirus (COVID-19), economic uncertainties have arisen triggering volatility in financial markets and a significant negative impact on the global economy. As the values of the Plan's individual investments have and will fluctuate in response to changing market conditions, the amount of potential losses that will be recognized in subsequent periods, if any, cannot be determined. The full impact of the COVID-19 outbreak continues to evolve as of the date of this report.

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

2020

This Form is Open to Public Inspection.

For calendar plan year 2020 or fiscal plan year beginning and ending

A Name of plan

B Three-digit plan number (PN) ▶

C Plan sponsor's name as shown on line 2a of Form 5500

D Employer Identification Number (EIN)

Part I Distributions

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

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

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): _____ _____

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**

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

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

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

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

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

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

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

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

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

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

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

Part III Amendments

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

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

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

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

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

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

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

---

a Name of contributing employer

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

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

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

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment)	**14a**	
b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	**14b**	
c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	**14c**	

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

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

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

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

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

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

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

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

a Enter the percentage of plan assets held as:
Stock: 21% Investment-Grade Debt: 78% High-Yield Debt: 0% Real Estate: 0% Other: 1%

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

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

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

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

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

☐ Yes.

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

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

☐ No. Other. Provide explanation_____