Form 5500-SF

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Short Form Annual Return/Report of Small Employee Benefit Plan

This form is required to be filed 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-SF.**

OMB Nos. 1210-0110
1210-0089

2018

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A This return/report is for:
- [X] a single-employer plan
- [ ] a multiple-employer plan (not multiemployer) (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- [ ] a one-participant plan
- [ ] a foreign plan

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

Part II Basic Plan Information—enter all requested information

1a Name of plan
LEDVANCE LLC PENSION PLAN FOR PUERTO RICO SALARIED EMPLOYEES

1b Three-digit plan number (PN) ▶ 021

1c Effective date of plan 01/29/1993

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)

LEDVANCE LLC

PO BOX 364384
SAN JUAN, PR 00936-4384

200 BALLARDVALE ST
WILMINGTON, MA 01887

2b Employer Identification Number (EIN) 81-0887998

2c Sponsor's telephone number 978-753-5000

2d Business code (see instructions) 551112

3a Plan administrator's name and address [ ] Same as Plan Sponsor.

BENEFITS ADMIN COMMITTEE AND INVEST COMMITTEE OF LEDVANCE LLC

200 BALLARDVALE ST
WILMINGTON, MA 01887-1074

3b Administrator's EIN 81-0887998

3c Administrator's telephone number 978-753-5000

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

5a Total number of participants at the beginning of the plan year	**5a**	72
b Total number of participants at the end of the plan year	**5b**	73
c Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**5c**	
d(1) Total number of active participants at the beginning of the plan year	**5d(1)**	8
d(2) Total number of active participants at the end of the plan year	**5d(2)**	6
e Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**5e**	0

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, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, 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.	10/15/2019	ANDREW MARTIN
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/16/2019	NICOLE VIENT
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

6a Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) [X] Yes [ ] No

b Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.) [X] Yes [ ] No

If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.

c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? [ ] Yes [X] No [ ] Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year_____. (See instructions.)

Part III Financial Information

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	6846313	6001122
b Total plan liabilities	7b	16185	11354
c Net plan assets (subtract line 7b from line 7a)	7c	6830128	5989768
8 Income, Expenses, and Transfers for this Plan Year		**(a) Amount**	**(b) Total**
a Contributions received or receivable from: (1) Employers	8a(1)		
(2) Participants	8a(2)		
(3) Others (including rollovers)	8a(3)		
b Other income (loss)	8b	-512368	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		-512368
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	311441	
e Certain deemed and/or corrective distributions (see instructions)	8e		
f Administrative service providers (salaries, fees, commissions)	8f	16551	
g Other expenses	8g		
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		327992
i Net income (loss) (subtract line 8h from line 8c)	8i		-840360
j Transfers to (from) the plan (see instructions)	8j		

Part IV Plan Characteristics

9a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:
1A 3C 3F 3H

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

Part V Compliance Questions

10 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? (See instructions and DOL's Voluntary Fiduciary Correction Program)	10a		X	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		X	
c Was the plan covered by a fidelity bond?	10c	X		500000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		X	
e Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.)	10e		X	
f Has the plan failed to provide any benefit when due under the plan?	10f		X	
g Did the plan have any participant loans? (If "Yes," enter amount as of year-end.)	10g		X	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h		X	
i If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3	10i			

Part VI Pension Funding Compliance

11	Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and line 11a below)	[X] Yes [ ] No
11a	Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40	**11a** 0
12	Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? (If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.)	[ ] Yes [X] No
a	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 letter ruling granting the waiver. Month _____ Day _____ Year _____	

If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.

b	Enter the minimum required contribution for this plan year	**12b**	
c	Enter the amount contributed by the employer to the plan for this plan year	**12c**	
d	Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount)	**12d**	
e	Will the minimum funding amount reported on line 12d be met by the funding deadline?		[ ] Yes [ ] No [ ] N/A

Part VII Plan Terminations and Transfers of Assets

13a	Has a resolution to terminate the plan been adopted in any plan year?		[ ] Yes [X] No
	If "Yes," enter the amount of any plan assets that reverted to the employer this year	**13a**	
b	Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		[ ] Yes [X] No

c 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.)

13c(1) Name of plan(s):	**13c(2)** EIN(s)	**13c(3)** PN(s)

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

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

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

OMB No. 1210-0110

2018

This Form is Open to Public Inspection

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

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

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

A Name of plan
LEDVANCE LLC PENSION PLAN FOR PUERTO RICO SALARIED EMPLOYEES

B Three-digit plan number (PN) ▶ 021

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

D Employer Identification Number (EIN)
81-0887998

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 2018

2 Assets:

a Market value	**2a**	6846313
b Actuarial value	**2b**	6846313

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	32	3077466	3077466
b For terminated vested participants	31	1143356	1143356
c For active participants	9	1167256	1176337
d Total	72	5388078	5397159

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**	5.70 %
6 Target normal cost	**6**	86484

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: 10/11/2019
MARK MCGARRY	17-07864
Type or print name of actuary	Most recent enrollment number
WILLIS TOWERS WATSON US LLC	617-638-3856
Firm name	Telephone number (including area code)
THE PRUDENTIAL TOWER 800 BOYLSTON STREET BOSTON, MA 02199	
Address of the firm	

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

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	1277104
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	28688
9	Amount remaining (line 7 minus line 8)	0	1248416
10	Interest on line 9 using prior year's actual return of 15.36 %	0	191757
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		0
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.89 %		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance		0
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	1440173

Part III Funding Percentages

14	Funding target attainment percentage	14	100.16%
15	Adjusted funding target attainment percentage	15	126.85%
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	101.39%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls

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

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

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

20 Quarterly contributions and liquidity shortfalls:

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

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

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

Liquidity shortfall as of end of quarter of this plan year

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

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

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
3.92%	5.52%	6.29%	☐ N/A, full yield curve used

b Applicable month (enter code) — **21b**: 0

22 Weighted average retirement age — **22**: 63

23 Mortality table(s) (see instructions)

Prior regulation: ☐ Prescribed - combined ☐ Prescribed - separate ☐ Substitute

Current regulation: ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

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

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

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

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

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

a Target normal cost (line 6)	**31a**	86484
b Excess assets, if applicable, but not greater than line 31a	**31b**	8981

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**: 77503

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	77503	77503

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

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

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

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

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

a Schedule elected ☐ 2 plus 7 years ☐ 15 years

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

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2018

The average retirement age for Line 22 was calculated by creating a hypothetical life table with retirement as the only decrement, and then computing the average retirement age for the table.

(a) Age	(b) Rate	(c) Weight	(d) Product (a) x (b) x (c)
55.5	2.00%	1.0000	1.11
56.5	2.00%	0.9800	1.11
57.5	2.00%	0.9604	1.10
58.5	2.00%	0.9412	1.10
59.5	2.00%	0.9224	1.10
60.5	5.00%	0.9039	2.73
61.5	5.00%	0.8587	2.64
62.5	30.00%	0.8158	15.30
63.5	25.00%	0.5711	9.07
64.5	25.00%	0.4283	6.91
65	100.00%	0.3212	20.88
Weighted Average			63.05

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 24
Change in Actuarial Assumptions

The assumed plan-related expenses added to the target normal cost were changed from $60,039 for the prior valuation to $62,198 for the current valuation.

Plan Name:	LEDVANCE LLC Pension Plan for Puerto Rico Salaried Employees
EIN / PN:	81-0887998/021
Plan Sponsor:	LEDVANCE LLC
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 25
Change in Method

The valuation software used to produce the actuarial information submitted on this schedule is different than used for the previous valuation due to a change in both the enrolled actuary for the plan and the business organization providing actuarial services to the plan, and such change in software may be considered to be a method change. The new method is substantially the same as the method used by the prior enrolled actuary and is consistent with the description of the method contained in the prior actuarial valuation report and Schedule SB of Form 5500 (disregarding the effects of any changes that are automatically approved under final IRC 430 regulations). The funding target and target normal cost (without regard to any adjustments for employee contributions and plan-related expenses), as determined for the prior plan year by the new enrolled actuary (using the actuarial assumptions of the prior enrolled actuary and disregarding the effects of any changes that are automatically approved under final IRC 430 regulations) are both within 3% of those values as determined by the prior enrolled actuary. The actuarial value of plan assets, as determined by the new enrolled actuary as of the valuation date for the prior plan year (using actuarial assumptions of the prior enrolled actuary), is within 2% of the value for that prior plan year as determined by the prior enrolled actuary. Therefore the change in funding method receives automatic approval under IRS Rev. Proc. 2017-56.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26
Schedule of Active Participant Data as of January 1, 2018

	Attained Years of Credited Service[1]									
Attained Age	**Under 1**	**1-4**	**5-9**	**10-14**	**15-19**	**20-24**	**25-29**	**30-34**	**35-39**	**40 & Over**
Under 25	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	1	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	1	0	1	1	0	0	0
50-54	0	0	0	0	1	0	0	0	0	0
55-59	0	0	0	0	1	0	1	0	0	0
60-64	0	0	0	0	0	0	0	2	0	0
65-69	0	0	0	0	0	0	0	0	0	0
70 & over	0	0	0	0	0	0	0	0	0	0

[1] Age and service for purposes of determining category are based on exact (not rounded) values.

Plan Name: LEDVANCE LLC Pension Plan for Puerto Rico Salaried Employees
EIN / PN: 81-0887998/021
Plan Sponsor: LEDVANCE LLC
Valuation Date January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	LEDVANCE LLC
EIN/PN	81-0887998/021
Plan Name	LEDVANCE LLC Pension Plan for Puerto Rico Salaried Employees
Valuation Date	January 1, 2018
Enrolled Actuary	Mark McGarry
Enrollment Number	17-07864

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	January
■ Interest rate basis	3-Segment Rates

Interest rates	**Reflecting Stabilization**	**Not Reflecting Stabilization**
■ First segment rate	3.92%	1.81%
■ Second segment rate	5.52%	3.68%
■ Third segment rate	6.29%	4.53%
■ Effective interest rate	5.70%	3.95%

Annual rates of increase

■ Compensation:	3.00%
■ Future Social Security wage bases	2.50%

Plan-related expenses	$62,198; based on prior year's administrative expenses

SCHEDULE SB ATTACHMENTS

Demographic Assumptions

Inclusion date The valuation date coincident with or next following the date on which the employee becomes a participant.

Mortality

- PPA Healthy — Separate rates for non-annuitants (based on RP-2014 “Employees” table without collar or amount adjustments, adjusted backward to 2006 with MP-2014, and then projected forward with generational projection using Scale MP-2016) and annuitants (based on RP-2014 “Healthy Annuitants” table without collar or amount adjustments, adjusted backward to 2006 with MP-2014, and then projected forward with generational projection using Scale MP-2016).
- Disability — None

Termination Rates varying by age, gender, and service

Male - Representative Termination Rates

Percentage leaving during the year						
	Years of Service					
Attained Age	0	1	2	3	4	5+
20	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
25	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
30	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
35	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
40	13.00%	12.00%	11.00%	10.00%	9.00%	7.70%
45	13.00%	12.00%	11.00%	10.00%	9.00%	6.10%
50	13.00%	12.00%	11.00%	10.00%	9.00%	4.60%
55	13.00%	12.00%	11.00%	10.00%	9.00%	2.40%
59+	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

SCHEDULE SB ATTACHMENTS

Female - Representative Termination Rates

Percentage leaving during the year						
	Years of Service					
Attained Age	0	1	2	3	4	5+
20	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
25	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
30	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
35	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
40	13.00%	12.00%	11.00%	10.00%	9.00%	9.00%
45	13.00%	12.00%	11.00%	10.00%	9.00%	7.50%
50	13.00%	12.00%	11.00%	10.00%	9.00%	6.00%
55	13.00%	12.00%	11.00%	10.00%	9.00%	3.60%
59+	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Disability None

Retirement Rates varying by age and gender

For purposes of determining the Funding Target and Target Normal Cost (both disregarding at-risk assumptions), the rates at which participants retire by age are shown below.

Percentage retiring during the year		
Age	Males	Females
55	2.00%	2.00%
56	2.00%	2.00%
57	2.00%	2.00%
58	2.00%	2.00%
59	2.00%	2.00%
60	5.00%	5.00%
61	5.00%	5.00%
62	30.00%	30.00%
63	25.00%	25.00%
64	25.00%	25.00%
65	100.00%	100.00%

SCHEDULE SB ATTACHMENTS

Benefit commencement date:	
■ Preretirement death benefit	The later of the death of the active participant or the date the participant would have attained age 65
■ Deferred vested benefit	Age 65
■ Disability benefit	N/A
■ Retirement benefit	Upon termination of employment
Form of payment	Single Life Annuity
Percent married	80% of males; 80% of females. Used to value pre-retirement surviving spouse benefits and in determining the optional forms expected to be elected at commencement.
Spouse age	Wife three years younger than husband
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.

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.
Actuarial value of assets	The actuarial value of assets is equal to the market value of assets as of the valuation date plus the discounted present value of contributions made after the valuation date for the prior plan year, discounted using the effective interest rate for the prior plan year.

SCHEDULE SB ATTACHMENTS

Benefits not valued

All benefits described in the Plan Provisions section of this report were valued based on discussions with the plan sponsor regarding the likelihood that these benefits will be paid. Willis Towers Watson has reviewed the plan provisions with the plan sponsor and, based on that review, is not aware of any significant benefits required to be valued that were not.

The plan pays small benefits (with a present value up to $5,000 in a single lump sum payment). Such lump sums are not explicitly valued; rather such participants' benefits are valued using the benefit choice assumptions described above.

Sources of Data and Other Information

The plan sponsor through its third party administrator, Aon, furnished participant data as of 1/1/2018. Information on assets, contributions and plan provisions was supplied by the plan sponsor. Data and other information were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

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.

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, and actuarial, accounting, legal, administration and trustee fees to be paid from the trust) based on the prior year expense amount.

Rates of increase in:

- Compensation

Assumed compensation increases are based on plan sponsor expectations for near-term years and the effect that the assumed long-term CPI and NAW will have on compensation increases over the longer term.

SCHEDULE SB ATTACHMENTS

Assumptions Rationale - Significant Demographic Assumptions

Healthy Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Disabled Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Termination	Termination rates were based on a recent experience as reported by the prior actuary, with consideration of whether any conditions have changed that would be expected to produce different results in the future.
Retirement	Retirement rates are based on plan sponsor expectations for the future experience based on the plan demographics, recent experience as reported by the prior actuary and plan provisions with periodic monitoring of observed gains and losses caused by retirement patterns different than assumed

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.

SCHEDULE SB ATTACHMENTS

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 to the current valuation date as required by IRC §430.

The mortality table used to calculate the funding target and target normal cost was updated to reflect the new tables, based on RP-2014 and subsequent Society of Actuaries studies, published by IRS in October 2017 in regulation §1.430(h)(3)-1.

The assumed plan-related expenses added to the target normal cost were changed from $60,039 for the prior valuation to $62,198 for the current valuation.

The valuation software used to produce the actuarial information in this report related to the Plan is different than used for the previous valuation due to a change in both the enrolled actuary for the plan and the business organization providing actuarial services to the plan, and such change in software may be considered to be a method change. The new method is substantially the same as the method used by the prior enrolled actuary and is consistent with the description of the method contained in the prior actuarial valuation report (disregarding the effects of any changes that are automatically approved under final IRC 430 regulations). The funding target and target normal cost (without regard to any adjustments for employee contributions and plan-related expenses), as determined for the prior plan year by the new enrolled actuary (using the actuarial assumptions of the prior enrolled actuary and disregarding the effects of any changes that are automatically approved under final IRC 430 regulations) are within 3% of those values as determined by the prior enrolled actuary. Therefore the change in funding method receives automatic approval under IRS Announcement 2017-56.

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V
Summary of Plan Provisions

Plan Provisions

The most recent amendment reflected in the following plan provisions was adopted and effective January 1, 2013.

Originally effective January 29, 1993. Amended and restated January 1, 2013.

Covered employees	Salaried employees of LEDVANCE LLC in Puerto Rico in designated unit or division to be eligible for the Plan
Participation date	Hire date if a participant on December 31, 1999, or retroactive to hire date (or plan year following date of hire) upon completion of 1,000 hours of service in the 12 month period following the date of hire (or any successive plan year) if hired after December 31, 1999.

Definitions

Vesting service	One year credited for 1,000 hours of service. Partial years credited based on the ratio of hours of service to 2,080 (or minimum standard hours).
Credited service	One year credited for 2,080 hours (or minimum standard hours worked according to the employer policy). Partial years credited based on the ratio of hours of service to 2,080 (or minimum standard hours).
Covered compensation	The average of the maximum Social Security taxable wage bases for an employee attaining age 65 in the year in which the participant terminates or retires.
Average annual compensation	The highest average annual compensation in any 60 consecutive months of employment.
Normal retirement date (NRD)	First of month coinciding with or next following the attainment of age 65 with five years of participation

SCHEDULE SB ATTACHMENTS

Eligibility for Benefits

Normal retirement	Retirement on NRD
Early retirement	Retirement before NRD and on or after both attaining age 55 and completing fifteen years of credited service
Postponed retirement	Retirement after NRD
Deferred vested termination	Termination for reasons other than death, disability or retirement after completing five years of vesting service
Disability	Permanent and total disability prior to NRD, and fifteen years of credited service
Preretirement death benefit	Death while eligible for normal, early, postponed, or deferred vested retirement benefits, with a surviving spouse

Benefits Paid Upon the Following Events

Normal retirement	The annual pension is 0.9% of average annual compensation (AAC) up to covered compensation plus 1.2% of AAC in excess of covered compensation times credited service.
Early retirement	The annual pension is the accrued benefit payable at age 65, but reduced 3% per year if payments commence before age 65.
Postponed retirement	The monthly pension benefit determined as of the actual retirement date
Deferred vested termination	The annual pension is accrued benefit payable at age 65.
Disablement	The accrued benefit is payable at normal retirement date, with an actuarially reduced amount available immediately.

SCHEDULE SB ATTACHMENTS

Preretirement death	**Before Retirement:** If the member dies after he has a vested right, the spouse receives a pension for life equal to ½ of the 50% joint and survivor benefit that would have been payable at member's normal retirement date if the member had terminated employment on the date of his death. The spouse's pension is payable at the member's normal retirement date. **After Retirement:** The normal form payment is a life annuity. If the member has a spouse, this normal form is automatically converted to a 50 % joint and survivor option unless such conversion is waived.
Employee contributions	None required or permitted. All prior employee contributions will be refunded.

Other Plan Provisions

Forms of payment	Single life annuity and optional Joint and Survivor annuities (33 1/3%, 50%, 75%, or 100%). Non-Elective lump sum payment if the present value does not exceed $5,000.
Pension Increases	None
Plan participants' contributions	None

Future Plan Changes

No future plan changes were recognized in determining funding requirements. Willis Towers Watson is not aware of any future plan changes that are required to be reflected.

Changes in Benefits Valued Since Prior Year

There have been no significant changes in benefits valued since the prior year.

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

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

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

OMB No. 1210-0110

2018

This Form is Open to Public Inspection

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

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

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

A Name of plan
LEDVANCE LLC PENSION PLAN FOR PUERTO RICO SALARIED EMPLOYEES

B Three-digit plan number (PN) ▶ 021

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

D Employer Identification Number (EIN)
81-0887998

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 2018

2 Assets:

a Market value	2a	6846313
b Actuarial value	2b	6846313

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	32	3077466	3077466
b For terminated vested participants	31	1143356	1143356
c For active participants	9	1167256	1176337
d Total	72	5388078	5397159

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	5.70 %
6 Target normal cost	6	86484

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

Mark McGarry
Signature of actuary

10/11/2019
Date

MARK MCGARRY
Type or print name of actuary

17-07864
Most recent enrollment number

WILLIS TOWERS WATSON US LLC
Firm name

617-638-3856
Telephone number (including area code)

THE PRUDENTIAL TOWER
800 BOYLSTON STREET
BOSTON, MA 02199
Address of the firm

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

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	1277104
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	28688
9	Amount remaining (line 7 minus line 8)	0	1248416
10	Interest on line 9 using prior year's actual return of 15.36 %	0	191757
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		0
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.89 %		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance		0
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	1440173

Part III Funding Percentages

14	Funding target attainment percentage	14	100.16%
15	Adjusted funding target attainment percentage	15	126.85%
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	101.39%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls

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

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
			Totals ▶ 18(b)	0	18(c) 0

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

20 Quarterly contributions and liquidity shortfalls:

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

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

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

Liquidity shortfall as of end of quarter of this plan year

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

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

21 Discount rate:

a Segment rates:	1st segment: 3.92%	2nd segment: 5.62%	3rd segment: 6.29%	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	0
22 Weighted average retirement age	**22**	63

23 Mortality table(s) (see instructions)

Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate	☐ Substitute
Current regulation:	☐ Prescribed - combined	☒ Prescribed - separate	☐ Substitute

Part VI Miscellaneous Items

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

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):		
a Target normal cost (line 6)	**31a**	86484
b Excess assets, if applicable, but not greater than line 31a	**31b**	8981

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**	77503

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	77503	77503

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

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

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

a Schedule elected	☐ 2 plus 7 years	☐ 15 years
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011	