

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div> This Form is Open to Public Inspection
---	---	---

Part I	Annual Report Identification Information
For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)

Part II	Basic Plan Information—enter all requested information				
1a Name of plan <u>CARLETON TECHNOLOGIES, INC. EMPLOYEES' RETIREMENT PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; text-align: center;"><u>001</u></td> </tr> <tr> <td colspan="2">1c Effective date of plan <u>01/01/1988</u></td> </tr> </table>	1b Three-digit plan number (PN) ▶	<u>001</u>	1c Effective date of plan <u>01/01/1988</u>	
1b Three-digit plan number (PN) ▶	<u>001</u>				
1c Effective date of plan <u>01/01/1988</u>					
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>CARLETON TECHNOLOGIES, INC.</u> <u>10 COBHAM DRIVE</u> <u>ORCHARD PARK, NY 14127-4195</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>2b Employer Identification Number (EIN) <u>16-1303637</u></td> </tr> <tr> <td>2c Plan Sponsor's telephone number <u>716-662-0006</u></td> </tr> <tr> <td>2d Business code (see instructions) <u>335900</u></td> </tr> </table>	2b Employer Identification Number (EIN) <u>16-1303637</u>	2c Plan Sponsor's telephone number <u>716-662-0006</u>	2d Business code (see instructions) <u>335900</u>	
2b Employer Identification Number (EIN) <u>16-1303637</u>					
2c Plan Sponsor's telephone number <u>716-662-0006</u>					
2d Business code (see instructions) <u>335900</u>					

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2019	MICHAEL STRZALKA
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2018)
v. 171027

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 372
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div> 6a(1) 99 6a(2) 98 6b 51 6c 88 6d 237 6e 8 6f 245 6g 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7

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

1A 3H 1I

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

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
---	---

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1)** ☒ **R** (Retirement Plan Information)
- (2)** ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3)** ☒ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- (1)** ☒ **H** (Financial Information)
- (2)** ☐ **I** (Financial Information – Small Plan)
- (3)** ☐ **A** (Insurance Information)
- (4)** ☒ **C** (Service Provider Information)
- (5)** ☐ **D** (DFE/Participating Plan Information)
- (6)** ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2018 Form M-1 annual report. If the plan was not required to file the 2018 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
--	--	---

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 <u>CARLETON TECHNOLOGIES, INC. EMPLOYEES' RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>CARLETON TECHNOLOGIES, INC.</u>	D Employer Identification Number (EIN) <u>16-1303637</u>

E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☒ 101-500 ☐ More than 500
---	---

Part I Basic Information

1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>			
2 Assets:			
a Market value.....	2a	<u>27311410</u>	
b Actuarial value	2b	<u>25987280</u>	
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	<u>179</u>	<u>12832505</u>	<u>12832505</u>
b For terminated vested participants	<u>99</u>	<u>4788321</u>	<u>4788321</u>
c For active participants	<u>99</u>	<u>14187088</u>	<u>14187088</u>
d Total	<u>377</u>	<u>31807914</u>	<u>31807914</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐			
a Funding target disregarding prescribed at-risk assumptions	4a		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5 Effective interest rate	5	<u>5.73 %</u>	
6 Target normal cost	6	<u>1020387</u>	

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

SIGN HERE		<u>10/10/2019</u>
Signature of actuary		Date
<u>MICHAEL CARNEY</u>		<u>17-05647</u>
Type or print name of actuary		Most recent enrollment number
<u>BURKE GROUP</u>		<u>585-624-5500</u>
Firm name		Telephone number (including area code)
<u>80 LINDEN OAKS DRIVE SUITE 210 ROCHESTER, NY 14625</u>		
Address of the firm		

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

Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	0
10 Interest on line 9 using prior year's actual return of <u>13.08</u> %	0	0
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		5497
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.94</u> %		327
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		5824
d Portion of (c) to be added to prefunding balance		5824
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	5824

Part III Funding Percentages

14 Funding target attainment percentage	14	81.68%
15 Adjusted funding target attainment percentage	15	81.68%
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	84.48%
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
04/17/2018	361000				
07/19/2018	361000				
10/10/2018	361000				
01/17/2019	361000				
03/15/2019	358000				
Totals ▶			18(b)	1802000	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	1726292

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
0	0	0	0

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

21 Discount rate:				
a Segment rates:	1st segment: 3.92%	2nd segment: 5.52%	3rd segment: 6.29%	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 4
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	1020387	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance		Installment
a Net shortfall amortization installment	5826458		710065
b Waiver amortization installment			
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	1730452	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	4160	4160
36 Additional cash requirement (line 34 minus line 35)	36	1726292	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	1726292	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	0	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

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

41 If an election was made to use PRA 2010 funding relief for this plan:	
a Schedule elected	☐ 2 plus 7 years ☒ 15 years
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☒ 2011

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2018
		This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan CARLETON TECHNOLOGIES, INC. EMPLOYEES' RETIREMENT PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 CARLETON TECHNOLOGIES, INC.	D Employer Identification Number (EIN) 16-1303637	

Part I	Service Provider Information (see instructions)
---------------	--

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☐ Yes ☒ No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

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

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

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

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

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

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

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

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

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

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

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

USA PAYROLL, INC.

16-1469706

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
12	NONE	5097	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

ALESCO

16-1579300

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
21	NONE	40811	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

BURKE GROUP

80-0688755

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
21 50	NONE	43194	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

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

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

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

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
--	--	---

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan CARLETON TECHNOLOGIES, INC. EMPLOYEES' RETIREMENT PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 CARLETON TECHNOLOGIES, INC.	D Employer Identification Number (EIN) 16-1303637	

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)	317000	719000
(2) Participant contributions	1b(2)		
(3) Other.....	1b(3)	1009	94417
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	121142	133191
(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)		
(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)	26872610	19224632
(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	27311761 20171240
Liabilities			
g	Benefit claims payable	1g	
h	Operating payables	1h	
i	Acquisition indebtedness	1i	
j	Other liabilities	1j	
k	Total liabilities (add all amounts in lines 1g through 1j)	1k	0 0
Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	27311761 20171240

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.

		(a) Amount	(b) Total
a	Contributions:		
(1)	Received or receivable in cash from: (A) Employers	2a(1)(A)	1802000
	(B) Participants	2a(1)(B)	
	(C) Others (including rollovers)	2a(1)(C)	
(2)	Noncash contributions	2a(2)	
(3)	Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)	1802000
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)	345173
	(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)	345173
(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)		
(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)		-2019866
c Other income.....	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		127307

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	1339952	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)	5613227	
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		6953179
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)	51754	
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees.....	2i(3)	40811	
(4) Other	2i(4)	222084	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		314649
j Total expenses. Add all expense amounts in column (b) and enter total	2j		7267828

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-7140521
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

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

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

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

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? ☐ Yes ☒ No

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

(1) Name: TRONCONI SEGARRA & ASSOCIATES, LLP

(2) EIN: 04-3728817

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

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

Part IV Compliance Questions

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

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.).....

b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)

	Yes	No	Amount
4a		X	
4b		X	

	Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		X	
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.).....		X	
4d		X	
e Was this plan covered by a fidelity bond?	X		5000000
4e	X		5000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
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?.....		X	
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?.....		X	
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.)	X		
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.)	X		
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?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?.....		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

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

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☒ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 4172486. (See instructions.)

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection.
---	---	--

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

A Name of plan <u>CARLETON TECHNOLOGIES, INC. EMPLOYEES' RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>CARLETON TECHNOLOGIES, INC.</u>	D Employer Identification Number (EIN) <u>16-1303637</u>

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	<u>0</u>
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>26-6528256</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	<u>0</u>

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

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☒ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☒ N/A

Part III	Amendments
-----------------	-------------------

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

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

Schedule R (Form 5500) 2018
v. 171027

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

- 14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year

b The plan year immediately preceding the current plan year

c The second preceding plan year

14a**14b****14c**

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

a The corresponding number for the plan year immediately preceding the current plan year

b The corresponding number for the second preceding plan year

15a**15b**

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

a Enter the number of employers who withdrew during the preceding plan year

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers

16a**16b**

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

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

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

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

- a** Enter the percentage of plan assets held as:

Stock: _____ % Investment-Grade Debt: _____ % High-Yield Debt: _____ % Real Estate: _____ % Other: _____ %

- 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):

**Carleton Technologies Inc.
Employees' Retirement Plan**

**Financial Statements
and Supplemental Schedules**

December 31, 2018 and 2017

Carleton Technologies Inc. Employees' Retirement Plan

Financial Statements and Supplemental Schedules

Table of Contents

	<u>Page</u>
Report of Independent Auditors	
Financial Statements	
Statements of Net Assets Available for Benefits	1
Statements of Changes in Net Assets Available for Benefits	2
Notes to Financial Statements	3-10
Supplemental Schedules	
Schedule of Assets (Held at End of Year)	11
Schedule of Reportable Transactions	12

Report of Independent Auditors

To the Plan Sponsor and Participants of
Carleton Technologies Inc. Employees' Retirement Plan
Orchard Park, New York

Report on the Financial Statements

We have audited the accompanying financial statements of Carleton Technologies Inc. Employees' Retirement Plan (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2018 and 2017, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

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

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Plan's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial status of the Plan as of December 31, 2018 and 2017, and the changes in its financial status for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Report on Supplemental Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule of assets (held at end of year) as of December 31, 2018 and the schedule of reportable transactions for the year ended December 31, 2018, (together referred to as "supplemental information") are presented for the purpose of additional analysis and are not a required part of the financial statements but are supplemental information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under Employee Retirement Income Security Act of 1974. Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

Trucone Segarra and Associates LLP

October 10, 2019

Carleton Technologies Inc. Employees' Retirement Plan

Statements of Net Assets Available for Benefits

December 31, 2018 and 2017

	<u>2018</u>	<u>2017</u>
<i>Assets</i>		
Investments, at fair value	\$ 19,357,823	\$ 26,993,752
Receivables		
Employer contributions	719,000	317,000
Pending securities sales	0	1,009
Pending insurance benefit reimbursement	<u>94,417</u>	<u>0</u>
Total receivables	<u>813,417</u>	<u>318,009</u>
Total assets	<u>20,171,240</u>	<u>27,311,761</u>
Net assets available for benefits	<u>\$ 20,171,240</u>	<u>\$ 27,311,761</u>

See report of independent auditors and notes to financial statements.

Carleton Technologies Inc. Employees' Retirement Plan

Statements of Changes in Net Assets Available for Benefits for the years ended December 31, 2018 and 2017

	2018	2017
<i>Additions to Net Assets Attributed to:</i>		
Investment income (loss)		
Interest and dividends	\$ 345,173	\$ 509,417
Net appreciation (depreciation) in fair value of investments	(2,019,866)	2,705,912
Investment fees	(40,811)	(88,323)
	(1,715,504)	3,127,006
Net investment income (loss)		
Employer contributions	1,802,000	1,503,272
	86,496	4,630,278
<i>Deductions from Net Assets Attributed to:</i>		
Benefits paid to participants	1,339,952	1,340,351
Benefits paid to insurance carriers		
for the provision of benefits	5,613,227	0
Administrative expenses	273,838	242,591
	7,227,017	1,582,942
Total deductions		
	(7,140,521)	3,047,336
Net increase (decrease)		
<i>Net Assets Available for Benefits</i>		
Beginning of year	27,311,761	24,264,425
End of year	\$ 20,171,240	\$ 27,311,761

See report of independent auditors and notes to financial statements.

Carleton Technologies Inc. Employees' Retirement Plan

Notes to Financial Statements

1. Description of Plan

The following description of the Carleton Technologies Inc. Employees' Retirement Plan (the "Plan") provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions.

General – The Plan is a noncontributory defined benefit pension plan established effective January 1, 1988 and is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA"). Pursuant to changes resulting from the Tax Reform Act of 1986, Carleton Technologies Inc. (the "Plan Sponsor") froze Plan participation and benefit accruals as of January 1, 2005. All employees of the Plan Sponsor who were hired on or prior to December 31, 2003, were at least 21 years of age and had completed one year of service by January 1, 2005 were eligible to participate in the Plan. The Plan was amended November 1, 2015 allowing a one-time opportunity for a lump-sum cash out of the benefits of certain terminated vested participants. The Plan was subsequently amended December 31, 2018 that no participant shall accrue any additional accrued benefits and no participant shall earn any credited service or accrue any additional benefits under the Plan after December 31, 2018.

Funding Policy – The Plan Sponsor's funding policy is to make annual contributions to the Plan in amounts so that all employees' benefits will be fully provided for by the time they retire. All contributions to the Plan are for the purpose of funding past service benefits. The Plan Sponsor's contributions for 2018 and 2017 equaled or exceeded the minimum funding requirements of ERISA.

In accordance with recent federal law, the Plan Sponsor elected to amortize the Plan's new shortfall amortization base over 15 years. Under this relief option, the Plan is subject to a lower funding requirement than would have otherwise been applicable under previous law.

Pension Benefits – Employees with five or more years of service are entitled to annual pension benefits beginning at normal retirement age (65) based upon their annual compensation and years of service. The Plan permits early retirement at ages 55-64 for employees with 15 or more years of service. If a participant terminates before rendering five years of service, they forfeit the right to receive their accumulated Plan benefits. There is no partial vesting of benefits. Participants may elect to receive the value of their accumulated Plan benefits as a single life annuity or a joint and survivor annuity payable monthly from the date of retirement.

Death Benefits – If an active participant dies at age 55 or older and has completed at least 15 years of service or has attained the normal retirement date and possesses five years of service, the participant's spouse will be entitled to a death benefit specified in the Plan agreement provided that the participant was married to the spouse for the year preceding the death.

Carleton Technologies Inc. Employees' Retirement Plan

Notes to Financial Statements (continued)

1. Description of Plan (continued)

Tax Status – The Plan obtained its latest determination letter dated December 16, 2013, in which the Internal Revenue Service (“IRS”) stated that the Plan, as then designed, was in compliance with the applicable requirements of the Internal Revenue Code (the “Code”). The Plan has been amended since receiving the determination letter; however, the Plan Administrator and the Plan’s tax counsel believe that the Plan is currently designed and being operated in compliance with the applicable requirements of the Code. Therefore, no provision for income taxes has been included in the accompanying financial statements.

Plan Termination – Although it has not expressed any intention to do so, the Plan Sponsor 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.

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

- i. Annuity benefits of former employees or their beneficiaries that have been receiving benefit payments for at least three years. The priority amount is limited to the lowest benefit that was payable during those three years.
- ii. Other vested benefits insured by the Pension Benefit Guaranty Corporation (“PBGC”) up to the applicable limitation (discussed below).
- iii. All other vested benefits.
- iv. All non-vested benefits.

If the Plan terminates, certain benefits under the Plan are insured by the PBGC. Generally, the PBGC guarantees most vested normal-age retirement benefits, early retirement benefits, and certain disability and survivor’s pensions. However, the PBGC does not guarantee all types of benefits under the Plan, and the amount of benefit protection is subject to certain limitations. Vested benefits under the Plan are guaranteed at the level in effect on the date of the Plan’s termination. However, there is a statutory ceiling, which is adjusted periodically, on the amount of the participant’s monthly benefit that the PBGC guarantees. That ceiling, based on a participant’s normal retirement age of 65, for Plan terminations occurring during 2019 is \$5,608 per month.

Whether all participants receive their benefits should the Plan terminate at some time in the future will depend on the sufficiency, at that time, of the Plan’s net assets to provide those benefits and may also depend on the financial condition of the Plan sponsor and the level of benefits guaranteed by the PBGC.

Carleton Technologies Inc. Employees' Retirement Plan

Notes to Financial Statements (continued)

2. Summary of Significant Accounting Policies

Basis of Accounting – The accompanying financial statements are prepared on the accrual basis of accounting in accordance with U.S. GAAP.

Investment Valuation and Income Recognition – Plan investments are stated at fair value and are administered by the Plan's custodian, National Financial Services LLC, a subsidiary of Fidelity Brokerage Services LLC ("Fidelity" or the "Trustee"). 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 5 for a discussion of fair value measurements.

Purchases and sales are recorded on a trade-date basis. Interest income is recorded on an accrual basis and dividends are recorded on an ex-dividend date. Net appreciation (depreciation) includes the gains and losses on investments bought and sold as well as held during the year.

Actuarial Present Value of Accumulated Plan Benefits – The actuarial present value of accumulated Plan benefits is determined by the Plan's actuary, and is the amount that results from applying actuarial assumptions to adjust the accumulated Plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements such as for death, withdrawal, or retirement) between the valuation date and the expected date of payment.

The actuarial cost method and significant actuarial assumptions used in the valuations as of January 1, 2019 and 2018 were:

- ***Actuarial Cost Method*** – The Traditional Unit Credit Cost Method was used in the development of the minimum contribution; the Projected Unit Credit Cost Method was used in the development of the maximum contribution and the at-risk liabilities, if applicable.
- ***Retirement*** – Rates of early retirement range from age 55 to 64, with 100% rate upon reaching age 65.

Carleton Technologies Inc. Employees' Retirement Plan

Notes to Financial Statements (continued)

2. Summary of Significant Accounting Policies (continued)

- *Interest* – the Moving Ahead for Progress in the 21st Century Act (“MAP-21”) established a corridor for the 24-month average segment rates used under the current law to value Plan liabilities. The use of a 25-year average of rates is intended to stabilize the rates from year to year and avoid the steady and sharp declines of recent years. The interest rate corridor is 90-110% for 2019, and, as a result, the interest rate basis for the 2019 valuation is as follows:

Segment	Rate
First	3.74%
Second	5.35%
Third	6.11%

The effective rate for 2019 is 5.56%. The effective rate for 2018 is 5.73%.

- *Rate of Return* – The expected rate of return is limited to 6.11% for 2019.
- *Salary Increase* – 4.0% per annum.
- *Mortality* – At January 1, 2019, the Combined RP – 2014 static annuitant and non-annuitant tables projected on scale MP-2016, the new basis as described in IRS section 1.430(h)(3)-1 and Notice 2017-60. Sex distinct RP-2014 dollar-weighted annuitant and non-annuitant mortality tables projected with Scale MP-2018 on a generational basis. At January 1, 2018, the MP-2017 mortality scale was used.

Benefit Payments – Benefits are recorded when paid.

Administrative Expenses – Certain accounting expenses of the Plan are paid by the Plan Sponsor. Fees for investment management and other services rendered in connection with the administration of the Plan are paid by the Plan.

Party-in-Interest Transactions – Certain Plan investments are shares of cash reserves managed by Fidelity. Fidelity is the custodian as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions.

Carleton Technologies Inc. Employees' Retirement Plan

Notes to Financial Statements (continued)

2. Summary of Significant Accounting Policies (continued)

Risks and Uncertainties – Contributions to the Plan and the actuarial present value of accumulated Plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates and demographics. Due to the changing nature of these assumptions, it is at least reasonably possible that changes in these assumptions will occur in the near term and, due to the uncertainties inherent in setting assumptions, that the effect of such changes could be material to the accompanying financial statements.

Investments are exposed to various risks, such as interest rate and market risk. Due to the level of risk associated with certain investments and the level of uncertainty related to changes in the value of investments, it is at least reasonably possible that changes in risks in the near term would materially affect the amounts reported in the accompanying financial statements.

Use of Estimates – The preparation of financial statements in accordance with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of net assets available for benefits and changes therein; disclosure of contingent assets and liabilities; and the actuarial present value of accumulated Plan benefits at the date of the financial statements, and changes therein. Accordingly, actual results could differ from those estimates.

Subsequent Events – The Plan Sponsor has evaluated subsequent events, for recognition or disclosure, through October 10, 2019, the date the accompanying financial statements were available to be issued. Effective August 12, 2019 the Plan Sponsor's name is Cobham Mission Systems- Orchard Park.

Carleton Technologies Inc. Employees' Retirement Plan
Notes to Financial Statements (continued)

3. Accumulated Plan Benefits

As of January 1, 2019, and 2018, the actual present value of accumulated Plan benefits and changes in accumulated Plan benefits for the respective Plan year as calculated by the Plan's actuaries, are as follows:

	<u>January 1, 2019</u>	<u>January 1, 2018</u>
Actuarial present value of accumulated plan benefits		
Vested benefits		
Active participants	\$ 12,439,949	\$ 12,442,793
Participants currently receiving payments	8,493,398	11,916,759
Other vested benefits	<u>4,340,476</u>	<u>4,219,482</u>
Total vested benefits	<u>25,273,823</u>	<u>28,579,034</u>
Total actuarial present value of accumulated plan benefits	<u>\$ 25,273,823</u>	<u>\$ 28,579,034</u>
Changes in accumulated plan benefits		
Actuarial present value of accumulated plan benefits at beginning of year	\$ 28,579,034	\$ 27,156,265
Increase (Decrease) during the year attributable to:		
Benefits accumulated and reserves released	1,913,961	908,300
Interest	1,954,427	1,854,820
Change in assumptions	(220,420)	0
Benefits paid	<u>(6,953,179)</u>	<u>(1,340,351)</u>
Net increase (decrease)	<u>(3,305,211)</u>	<u>1,422,769</u>
Actuarial present value of accumulated plan benefits at end of year	<u>\$ 25,273,823</u>	<u>\$ 28,579,034</u>

Carleton Technologies Inc. Employees' Retirement Plan

Notes to Financial Statements (continued)

4. Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described below:

- **Level 1** – Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.
- **Level 2** – 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 inactive markets;
 - Inputs other than quoted prices that are observable for the asset or liability; and
 - Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

- **Level 3** – Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset 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.

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2018 and 2017.

Money Market Funds – Shares of money market funds are valued at amortized cost, which approximates fair value. The amortized cost of an instrument is determined by valuing it at its original cost and thereafter amortizing any discount or premium from its face value at a constant rate until maturity.

Exchange Traded Funds – Valued at the closing price reported on the respective exchange.

Mutual Funds – Shares of mutual funds are valued at quoted market prices which represent the net asset value of shares held by the Plan at year end.

Carleton Technologies Inc. Employees' Retirement Plan

Notes to Financial Statements (continued)

4. Fair Value Measurements (continued)

The following table sets forth by level, within the fair value hierarchy, the Plan's investment assets at fair value as of December 31, 2018 and 2017:

	<u>2018</u>	<u>2017</u>
Level 1		
Money market funds	\$ 133,191	\$ 121,142
Exchange traded funds	12,163,296	16,831,812
Mutual funds	<u>7,061,336</u>	<u>10,040,798</u>
	<u>\$ 19,357,823</u>	<u>\$ 26,993,752</u>

5. Annuity Contract Purchase

In December 2018, CMFG Life Insurance Company ("CMFG") issued a group annuity contract to the Plan Sponsor which satisfied the pension obligations of 125 participants of the Plan. As a result, \$5,707,644 was distributed by the Plan on December 18, 2018 as reflected in the Statements of Changes in Net Assets Available for Benefits. Benefits for these 125 participants will be satisfied by CMFG and commenced February 1, 2019. As a result of certain data corrections after the purchase of the contract, reimbursements were made to the Plan in 2019 of \$94,417, as reported on the Statements of Net Assets Available for Benefits.

ATTACHMENT TO 2018 SCHEDULE SB
 PLAN: CARLETON TECHNOLOGIES, INC. EMPLOYEES RETIREMENT PLAN
 EIN/PN: 16 – 1303637 / 001

Schedule SB, Line 26 – Schedule of Active Participant Data

Attained Age	Years of Credited Service									Total
	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up	Number
Under 25	0	0	0	0	0	0	0	0	0	0
25 to 29	0	0	0	0	0	0	0	0	0	0
30 to 34	0	0	0	0	0	0	0	0	0	0
35 to 39	0	0	0	1	1	0	0	0	0	2
40 to 44	0	0	1	4	1	0	0	0	0	6
45 to 49	0	0	0	7	5	1	2	0	0	15
50 to 54	0	0	3	10	9	2	0	0	0	24
55 to 59	0	0	1	6	7	0	7	6	0	27
60 to 64	0	0	1	4	6	5	2	2	1	21
65 to 69	0	0	0	1	2	0	1	0	0	4
70 & up	0	0	0	0	0	0	0	0	0	0
Total	0	0	6	33	31	8	12	8	1	99

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

Actuarial Cost Methods:

Traditional Unit Credit

The actuarial cost method used in the valuation was the traditional unit credit cost method.

The normal cost is the sum of all the individual normal costs for each participant. For active participants, the individual normal cost is the present value of the benefit earned during the year being valued. The normal cost is zero for active participants whose credited service equals or exceeds the plan maximum, and for non-active participants.

The actuarial accrued liability is the sum of the individual accrued liabilities for all participants. The individual accrued liability for an active participant is the present value of the accrued benefit as of the valuation date. For non-active participants, the individual accrued liability is the present value at the current age of future benefits. The unfunded liability is the actuarial accrued liability less the valuation assets.

The total annual cost of the plan is the normal cost plus an amount to amortize the shortfall amount.

Projected Unit Credit

The actuarial cost method used in the development of the maximum contribution and the at-risk liabilities, if applicable, was projected unit credit cost method.

Under this method, the normal cost is the sum of the individual normal costs for all participants. For an active participant, the individual normal cost is the present value at the current age of the projected benefit at the assumed retirement age, based on the actuarial assumptions, divided by the participant's expected years of credited service at that age. For a non-active participant, the normal cost is zero.

The actuarial accrued liability is the sum of the individual accrued liabilities for all plan participants. For an active participant, the individual accrued liability is the product of the normal cost and the total years of credited service at the current age. For non-active participants, the individual accrued liability is the present value at the current age of future benefits. The unfunded actuarial accrued liability equals the actuarial accrued liability less the valuation assets.

Asset Valuation Method:

The actuarial value of the assets is determined by using the average value of the fair market value of the plan's assets at the valuation date over a 24 month period adjusted for contributions, distributions, expected earnings, and includes contributions receivable discounted to the end of the plan year. The asset value determined under this method is adjusted to be no greater than 110% and no less than 90% of the fair market value of assets.

Participants included in valuation:

All employees who are eligible to participate as of the valuation date, plus retirees, beneficiaries and terminated participants entitled to current or future benefits.

Schedule SB, Part V – Statement of Actuarial Assumptions / Methods (Continued)

Discount Rates: MAP-21/HATFA basis Interest rate basis for the 2018 valuation is 3.92% / 5.52% / 6.29%. The Plan's effective rate, based on the segment rates, is 5.73% for 2018.

Expected Rate of Return on Plan Assets: The expected return assumption is limited to the applicable 3rd segment rate as detailed in Notice 2009-22 (6.29% for 2018).

Mortality: Optional combined table of RP-2000 static annuitant and non-annuitant tables, projected 7 years for annuitants and 15 years for non-annuitants beyond the valuation year.

Retirement Rates: Participants are assumed to retire in accordance with the following rates:

<u>Age</u>	<u>Rate</u>
55	1.0%
56-58	2.0
59-61	5.0
62	25.0
63	30.0
64	40.0
65+	100.0

Turnover: Table T-5; sample rates:

<u>Age</u>	<u>Rate</u>
20	7.94%
25	7.72
30	7.22
35	6.28
40	5.15
45	3.98
50	2.56
55	0.94
60	0.90

Salary Scale: 4.0% per year

Percent married: 75% for males, 65% for females; a spouse is assumed to be 4 years younger than male spouse

Frequency of Optional Forms of Payment: 100% of participants are assumed to elect the life annuity option upon retirement

Expenses: \$242,591, i.e. estimated based prior year's expenses

ATTACHMENT TO 2018 SCHEDULE SB
 PLAN: CARLETON TECHNOLOGIES, INC. EMPLOYEES RETIREMENT PLAN
 EIN/PN: 16 – 1303637 / 001

Schedule SB, Line 19 – Discounted Employer Contributions

<u>Date</u> <u>Contribution</u> <u>Paid</u>	<u>Amount</u> <u>Paid</u>	<u>Applicable</u> <u>Plan</u> <u>Year</u>	<u>Effective</u> <u>Interest</u> <u>Rate</u>	<u>Interest Rate</u> <u>On Late</u> <u>Installments</u>	<u>Interest-</u> <u>Adjusted</u> <u>Contribution</u>
04/17/2018	\$ 360,915	2018	5.73%	10.73%	\$ 355,032
04/17/2018	\$ 85	2018	5.73%	N/A	\$ 84
07/18/2018	\$ 360,830	2018	5.73%	10.73%	\$ 349,954
07/18/2018	\$ 170	2018	5.73%	N/A	\$ 165
10/10/2018	\$ 361,000	2018	5.73%	N/A	\$ 345,789
01/18/2019	\$ 360,660	2018	5.73%	10.73%	\$ 340,101
01/18/2019	\$ 340	2018	5.73%	N/A	\$ 321
03/15/2019	\$ 358,000	2018	5.73%	N/A	\$ 334,846
Total	\$1,802,000				\$1,726,292

Schedule SB, Line 32 – Schedule of Amortization Bases – HATFA Basis

Type of Amortization Base	Present Value of Remaining Installments	Date Established	Remaining Years	Amortization Installment
Shortfall	2,061,595	1/1/2011	8	302,637
Shortfall	(430,076)	1/1/2012	1	(430,076)
Shortfall	582,707	1/1/2013	2	296,954
Shortfall	(840,755)	1/1/2014	3	(291,094)
Shortfall	(316,581)	1/1/2015	4	(83,767)
Shortfall	2,092,491	1/1/2016	5	451,284
Shortfall	1,237,438	1/1/2017	6	229,106
Shortfall	<u>1,439,639</u>	1/1/2018	7	<u>235,021</u>
Total	\$ 5,826,458			\$ 710,065

SCHEDULE SB (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
---	--	---

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 CARLETON TECHNOLOGIES, INC. EMPLOYEES' RETIREMENT PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF CARLETON TECHNOLOGIES, INC.	D Employer Identification Number (EIN) 16-1303637	
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B		
F Prior year plan size: ☐ 100 or fewer ☒ 101-500 ☐ More than 500		

Part I Basic Information			
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>			
2 Assets:			
a Market value	2a	27311410	
b Actuarial value	2b	25987280	
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	179	12832505	12832505
b For terminated vested participants	99	4788321	4788321
c For active participants	99	14187088	14187088
d Total	377	31807914	31807914
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	5.73 %	
6 Target normal cost	6	1020387	

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	Michael Carney	10/10/2019
	Signature of actuary	Date
	MICHAEL CARNEY	17-05647
	Type or print name of actuary	Most recent enrollment number
	BURKE GROUP	585-624-5500
	Firm name	Telephone number (including area code)
	80 LINDEN OAKS DRIVE SUITE 210 ROCHESTER, NY 14625	
	Address of the firm	

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

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

Schedule SB (Form 5500) 2018
v. 171027

Part II Beginning of Year Carryover and Prefunding Balances		
	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8).....	0	0
10 Interest on line 9 using prior year's actual return of <u>13.08 %</u>	0	0
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year).....		5497
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.94 %</u>		327
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		5824
d Portion of (c) to be added to prefunding balance		5824
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	5824

Part III Funding Percentages		
14 Funding target attainment percentage	14	81.68%
15 Adjusted funding target attainment percentage	15	81.68%
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	84.48%
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
04/17/2018	361000				
07/19/2018	361000				
10/10/2018	361000				
01/17/2019	361000				
03/15/2019	358000				
			Totals ▶	18(b)	1802000
				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	1726292
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
0	0	0
		(4) 4th
		0

Part V Assumptions Used to Determine Funding Target and Target Normal Cost**21** Discount rate:**a** Segment rates:

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

b Applicable month (enter code).....**21b**

4

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**

1020387

b Excess assets, if applicable, but not greater than line 31a**31b**

0

32 Amortization installments:

Outstanding Balance

Installment

a Net shortfall amortization installment.....

5826458

710065

b Waiver amortization installment**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**

1730452

Carryover balance

Prefunding balance

Total balance

35 Balances elected for use to offset funding requirement.....

0

4160

4160

36 Additional cash requirement (line 34 minus line 35).....**36**

1726292

37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....**37**

1726292

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, Part V – Statement of Plan Provisions

Eligibility

Employees who have attained the age of twenty-one (21) and have completed one (1) year of eligibility service are eligible to participate on the first day of the month in which they meet these requirements.

A Year of Eligibility Service is a computation period in which an Employee receives credit for one or more hours of service. The computation period is the 12-month period from the date the employee was hired for the first year, and then the Plan Year for determining a Year of Eligibility Service in subsequent years.

Employees hired after December 31, 2003 are not eligible to participate.

Creditable Service

Effective January 1, 1994 service is credited for each month that the participant completed an hour of service. Service prior to 1994 is computed under prior plan terms.

Normal Retirement

Eligibility

Age 65

Amount of Benefit

Participants receive benefit credit in each calendar year of plan participation equal to (1) + (2):

- (1) 1.25% of the Participant's Annual Compensation not in excess of \$18,000;
- (2) 1.75% of the Participant's Annual Compensation in excess of \$18,000.

Benefits are credited to a Participant for forty-five (45) years of Creditable Service. In the event that a Participant has more than forty-five (45) years of Creditable Service, only those forty-five (45) years of Creditable Service which produce the greatest monthly retirement benefit are taken into account.

Early Retirement

Eligibility

Attainment of age 55 and 15 years of vesting service.

Amount of Benefit

Accrued benefit reduced by one-half of one percent (0.5%) for each month by which the commencement date of the benefit precedes the participant's Normal Retirement Date.

Schedule SB, Part V – Statement of Plan Provisions (Continued)

Death Benefit

Eligibility

5 years of vesting service

Amount of Benefit

One-half of the benefit that would have been paid if the participant had retired the day before he died under the joint and survivor option. Benefits are paid immediately or at the participant's early retirement age, if later.

Vesting

Eligibility

5 years of vesting service

Amount of Benefit

Accrued benefit payable at normal retirement date or at early retirement. If paid at early retirement, the benefit is actuarially reduced for each month that retirement precedes age 65.

Normal Form of Payment

If married, benefits are paid in the form of a joint and survivor annuity. If not married, benefits are payable for the life of the participant.

Optional Forms of Payment

In lieu of the Normal Form of Payment, participants may elect one of the following optional forms of payment: life annuity; life annuity with 60, 120, or 180 monthly payments guaranteed; 50%, 75%, or 100% joint and survivor.

Assumptions for Optional Forms of Payment

Optional forms of payment are actuarially equivalent to the normal form of payment for single participants, i.e. the life annuity option. The conversion factors are calculated using actuarial equivalence, which by definition is based on the 1971 Group Annuity Mortality Table with a 95% male and 5% female blend and an interest rate of 6%.

The lump sum value is calculated using the IRS Lump Sum Mortality Table and the segment rates published for November of the prior year.

Contributions

The employer pays the total cost of the plan.

Schedule SB, Line 22 – Description of Weighted Average Retirement Age

RETIREMENT RATES

<u>AGE</u>	<u>RATE</u>
55	1%
56	2%
57	2%
58	2%
59	5%
60	5%
61	5%
62	25%
63	30%
64	40%
65	100%

<u>AGE</u>	<u>NOT RETIRED</u>	<u>RETIREMENT RATE</u>	<u>PRODUCT</u>
55	1.000	0.01000	0.5500
56	0.990	0.02000	1.1088
57	0.970	0.02000	1.1060
58	0.951	0.02000	1.1029
59	0.932	0.05000	2.7488
60	0.885	0.05000	2.6556
61	0.841	0.05000	2.5648
62	0.799	0.25000	12.3827
63	0.599	0.30000	11.3242
64	0.419	0.40000	10.7370
65	0.252	1.00000	16.3572

Weighted average
retirement age 62.64

Nearest age 63.00

Carleton Technologies Inc. Employees' Retirement Plan

Form 5500 Schedule H, Line 4i

Schedule of Assets (Held at End of Year)

December 31, 2018

EIN: #16-1303637

Plan: #001

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(d) Cost	(e) Current Value
*	Fidelity Government Cash Reserves	Money Market Fund	\$ 133,191	\$ 133,191
	Bridgeway Ultra Small Company Market Fund	Mutual Fund	502,871	365,387
	DFA International Small Company Portfolio	Mutual Fund	555,803	447,931
	DFA International Value Portfolio	Mutual Fund	513,599	444,925
	DFA US Large Cap Value Portfolio	Mutual Fund	714,006	622,747
	Dimensional Emerging Markets Value Portfolio	Mutual Fund	546,814	518,992
	PIMCO Commodities Plus Strategy Institutional	Mutual Fund	677,845	548,488
	Vanguard Inflation-Protected Securities Fund Admiral	Mutual Fund	744,554	707,054
	Vanguard Total Bond Market Index Fund Admiral	Mutual Fund	3,506,937	3,405,812
			7,762,429	7,061,336
	iShares Trust Core MSCI EAFE ETF	Exchange Traded Fund	2,449,959	2,161,500
	iShares Core MSCI Emerging Market ETF	Exchange Traded Fund	692,385	640,061
	iShares Core S&P 500 ETF	Exchange Traded Fund	4,649,502	4,749,139
	iShares Core S&P Mid-Cap ETF	Exchange Traded Fund	1,326,615	1,253,753
	iShares Core S&P Small-Cap ETF	Exchange Traded Fund	1,023,913	999,941
	iShares Core US Aggregate Bond ETF	Exchange Traded Fund	217,533	212,980
	iShares S&P Mid-Cap Value 400 ETF	Exchange Traded Fund	404,255	373,518
	Schwab Strategic TR Short-Term ETF	Exchange Traded Fund	446,944	449,190
	Schwab Strategic US REIT ETF	Exchange Traded Fund	243,040	232,985
	SPDR SER TR Bloomberg Barclays Inv ETF	Exchange Traded Fund	453,518	447,958
	Vanguard Malvern FDS Short-Term ETF	Exchange Traded Fund	515,672	500,764
	Vanguard INTL Equity Index Funds ETF	Exchange Traded Fund	154,205	141,507
			12,577,541	12,163,296
			\$ 20,473,161	\$ 19,357,823

* Party-in-interest

See report of independent auditors.

Carleton Technologies Inc. Employees' Retirement Plan

Form 5500, Schedule H, line 4j

*Schedule of Reportable Transactions
for the year ended December 31, 2018*

EIN: #16-1303637

Plan: #001

(a) Identity of Party Involved	(b) Description of Asset	(c) Purchase Price	(d) Selling Price	(g) Cost of Asset	(h) Current Value to Asset on Transaction Date	(i) Net Gain/(Loss)
iShares Core S&P 500 ETF	Exchange Traded Fund	-	\$ 1,705,976	\$ 1,582,389	\$ 1,582,389	\$ 123,587

See report of independent auditors.