

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;">2017</div> This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2017 or fiscal plan year beginning <u>01/01/2017</u> and ending <u>12/31/2017</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>SPS TECHNOLOGIES, LLC RETIREMENT INCOME PLAN</u>	1b Three-digit plan number (PN) ▶	<div style="border: 1px solid black; padding: 2px; display: inline-block;">001</div>	
	1c Effective date of plan <u>12/31/1942</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>SPS TECHNOLOGIES, LLC</u> <u>301 HIGHLAND AVE</u> <u>JENKINTOWN, PA 19046-2630</u>	2b Employer Identification Number (EIN) <u>23-1116110</u>	2c Plan Sponsor's telephone number <u>215-572-3777</u>	2d Business code (see instructions) <u>332700</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.	10/12/2018	MICHAEL SEITZ
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/12/2018	MICHAEL SEITZ
	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 (2017)
v. 170203

3a Plan administrator's name and address ☐ Same as Plan Sponsor SPS TECHNOLOGIES, LLC RETIREMENTPLAN COMMITTEE 301 HIGHLAND AVE JENKINTOWN, PA 19046-2630	3b Administrator's EIN 23-1116110 3c Administrator's telephone number 215-572-3777
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 3739
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 1165 6a(2) 1093 6b 224 6c 1355 6d 2672 6e 75 6f 2747 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 1C 3H 3F b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

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

b General Schedules

- (1) ☒ **H** (Financial Information)
- (2) ☐ **I** (Financial Information – Small Plan)
- (3) ☐ **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 2017 Form M-1 annual report. If the plan was not required to file the 2017 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 2017 This Form is Open to Public Inspection
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For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

▶ **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>SPS TECHNOLOGIES, LLC RETIREMENT INCOME 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>SPS TECHNOLOGIES, LLC</u>	D Employer Identification Number (EIN) <u>23-1116110</u>

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

1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2017</u>			
2 Assets:			
a Market value	2a	<u>128897211</u>	
b Actuarial value	2b	<u>121926472</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>292</u>	<u>8421838</u>	<u>8421838</u>
b For terminated vested participants	<u>2282</u>	<u>35007357</u>	<u>35007357</u>
c For active participants	<u>1165</u>	<u>68179138</u>	<u>68179138</u>
d Total	<u>3739</u>	<u>111608333</u>	<u>111608333</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>5.43 %</u>	
6 Target normal cost	6	<u>4508887</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>NINA M. LANTZ</u>	Signature of actuary	<u>10/03/2018</u>
<u>MILLIMAN, INC.</u>	Type or print name of actuary	Date
<u>111 S.W. FIFTH AVENUE SUITE 3700 PORTLAND, OR 97204-3654</u>	Firm name	<u>17-06336</u>
	Address of the firm	Most recent enrollment number
		<u>503-227-0634</u>
		Telephone number (including area code)

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	12748037
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	5944917
9 Amount remaining (line 7 minus line 8)	0	6803120
10 Interest on line 9 using prior year's actual return of 15.63 %	0	1063328
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		0
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.65 %		0
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance		0
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	7866448

Part III Funding Percentages

14 Funding target attainment percentage	14	102.19%
15 Adjusted funding target attainment percentage	15	109.24%
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	97.88%
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
08/06/2018	10000000				
Totals ▶			18(b)	10000000	18(c)

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	9191430

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: 4.16 %	2nd segment: 5.72 %	3rd segment: 6.48 %	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 0
22 Weighted average retirement age.....				22 61
23 Mortality table(s) (see instructions)	☐ Prescribed - combined	☒ Prescribed - separate	☐ Substitute	

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):		
a Target normal cost (line 6)	31a	4508887
b Excess assets, if applicable, but not greater than line 31a	31b	2451691
32 Amortization installments:	Outstanding Balance	Installment
a Net shortfall amortization installment.....	0	0
b Waiver amortization installment	0	0
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....	34	2057196
	Carryover balance	Prefunding balance
35 Balances elected for use to offset funding requirement.....	0	2057196
36 Additional cash requirement (line 34 minus line 35)	36	0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	9191430
38 Present value of excess contributions for current year (see instructions)		
a Total (excess, if any, of line 37 over line 36)	38a	9191430
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	2057196
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
42 Amount of acceleration adjustment	42	
43 Excess installment acceleration amount to be carried over to future plan years	43	

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
		2017
		This Form is Open to Public Inspection.

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017		
A Name of plan SPS TECHNOLOGIES, LLC RETIREMENT INCOME PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 SPS TECHNOLOGIES, LLC	D Employer Identification Number (EIN) 23-1116110	

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

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a** Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. ☐ Yes ☒ No
- b** If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

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

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

MILLIMAN, INC

91-0675641

(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?
11 17	N/A	364631	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

DELOITTE & TOUCHE LLP

13-3891517

(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?
10	N/A	55716	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

STOEL RIVES LLP

93-0408771

(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?
29	N/A	12993	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)

BANK OF NEW YORK MELLON

13-5160382

(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?
18 21 25 59 62	N/A	9845	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

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

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

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

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

Part I Service Provider Information (continued)

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

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(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
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(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:

<div>SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration</div>		<div>DFE/Participating Plan Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>		<div>OMB No. 1210-0110</div> <div>2017</div> <div>This Form is Open to Public Inspection.</div>	
For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017					
A Name of plan SPS TECHNOLOGIES, LLC RETIREMENT INCOME PLAN				B Three-digit plan number (PN) ▶ 001	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 SPS TECHNOLOGIES, LLC				D Employer Identification Number (EIN) 23-1116110	
Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)					
a Name of MTIA, CCT, PSA, or 103-12 IE: PCC MSTER TRUST-DEF BEN PLANS					
b Name of sponsor of entity listed in (a): PRECISION CASTPARTS CORP					
c EIN-PN 13-7073447-001		d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 132053506		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		

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Schedule D (Form 5500) 2017 v.170203

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

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

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

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

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2017 This Form is Open to Public Inspection
For calendar plan year 2017 or fiscal plan year beginning <u>01/01/2017</u> and ending <u>12/31/2017</u>		
A Name of plan <u>SPS TECHNOLOGIES, LLC RETIREMENT INCOME 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>SPS TECHNOLOGIES, LLC</u>	D Employer Identification Number (EIN) <u>23-1116110</u>	

	Part I Asset and Liability Statement		(a) Beginning of Year	(b) End of Year
1	Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
	Assets			
a	Total noninterest-bearing cash	1a		
b	Receivables (less allowance for doubtful accounts):			
	(1) Employer contributions	1b(1)		10000000
	(2) Participant contributions	1b(2)		
	(3) Other.....	1b(3)		
c	General investments:			
	(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
	(2) U.S. Government securities.....	1c(2)		
	(3) Corporate debt instruments (other than employer securities):			
	(A) Preferred	1c(3)(A)		
	(B) All other.....	1c(3)(B)		
	(4) Corporate stocks (other than employer securities):			
	(A) Preferred	1c(4)(A)		
	(B) Common	1c(4)(B)		
	(5) Partnership/joint venture interests	1c(5)		
	(6) Real estate (other than employer real property)	1c(6)		
	(7) Loans (other than to participants)	1c(7)		
	(8) Participant loans	1c(8)		
	(9) Value of interest in common/collective trusts.....	1c(9)		
	(10) Value of interest in pooled separate accounts.....	1c(10)		
	(11) Value of interest in master trust investment accounts	1c(11)	128897211	132053506
	(12) Value of interest in 103-12 investment entities	1c(12)		
	(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)		
	(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
	(15) Other	1c(15)		

		(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:		
(1)	Employer securities	1d(1)	
(2)	Employer real property	1d(2)	
e	Buildings and other property used in plan operation	1e	
f	Total assets (add all amounts in lines 1a through 1e)	1f	128897211 142053506
Liabilities			
g	Benefit claims payable	1g	
h	Operating payables	1h	101308 57200
i	Acquisition indebtedness	1i	
j	Other liabilities	1j	
k	Total liabilities (add all amounts in lines 1g through 1j)	1k	101308 57200
Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	128795903 141996306

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
Income			
a	Contributions:		
(1)	Received or receivable in cash from: (A) Employers	2a(1)(A)	10000000
	(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)	10000000
b	Earnings on investments:		
(1)	Interest:		
	(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	
	(B) U.S. Government securities	2b(1)(B)	
	(C) Corporate debt instruments	2b(1)(C)	
	(D) Loans (other than to participants)	2b(1)(D)	
	(E) Participant loans	2b(1)(E)	
	(F) Other	2b(1)(F)	
	(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)	0
(2)	Dividends: (A) Preferred stock	2b(2)(A)	
	(B) Common stock	2b(2)(B)	
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	
	(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)	0
(3)	Rents	2b(3)	
(4)	Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	
	(B) Aggregate carrying amount (see instructions)	2b(4)(B)	
	(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)	0
(5)	Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	
	(B) Other	2b(5)(B)	
	(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)	0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		15435110
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total.....	2d		25435110

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	11576034	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		11576034
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)	399076	
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)	259597	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		658673
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		12234707

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		13200403
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: **DELOITTE & TOUCHE LLP**

(2) EIN: **13-3891517**

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

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

Part IV Compliance Questions

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

During the plan year:

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

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

	Yes	No	Amount
4a		X	
4b		X	

		Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d		X	
e Was this plan covered by a fidelity bond?	4e	X		10000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i		X	
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l Has the plan failed to provide any benefit when due under the plan?	4l	X		900000
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n		X	

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 4085416. (See instructions.)

<div>SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Retirement Plan Information</div> <div>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).</div> <div>▶ File as an attachment to Form 5500.</div>	<div>OMB No. 1210-0110</div> <div>2017</div> <div>This Form is Open to Public Inspection.</div>
For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017		
A Name of plan SPS TECHNOLOGIES, LLC RETIREMENT INCOME PLAN		B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 SPS TECHNOLOGIES, LLC		D Employer Identification Number (EIN) 23-1116110
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 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 13-7073447		
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		3 114
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) 2017 v. 170203		

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	14a	
b The plan year immediately preceding the current plan year	14b	
c The second preceding plan year	14c	

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

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

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

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

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

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

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

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

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

Stock: 74.0% Investment-Grade Debt: _____% High-Yield Debt: 4.0% Real Estate: _____% Other: 22.0%

- b** Provide the average duration of the combined investment-grade and high-yield debt:

☒ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

- c** What duration measure was used to calculate line 19(b)?

☐ Effective duration ☐ Macaulay duration ☒ Modified duration ☐ Other (specify):

SPS Technologies, LLC Retirement Income Plan

Employer ID No: 23-1116110

Plan Number: 001

Financial Statements as of and for the
Years Ended December 31, 2017 and 2016,
and Independent Auditors' Report

SPS TECHNOLOGIES, LCC RETIREMENT INCOME PLAN

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Notes to Financial Statements	5-13

NOTE: All other schedules required by Section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because they are not applicable.

INDEPENDENT AUDITORS' REPORT

To the Retirement Plan Committee,
The Master Trust Investment Committee,
and Participants of
SPS Technologies, LLC Retirement Plan
Portland, Oregon

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of SPS Technologies, LLC Retirement Plan (the "Plan") as of December 31, 2017 and 2016, and for the years then ended, listed in the foregoing Table of Contents.

Management's Responsibility for the Financial Statements

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

Auditors' Responsibility

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

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 6, which was certified by Bank of New York Mellon, the trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained certifications from the trustee as of December 31, 2017 and 2016, and for the years then ended, that the information provided to the plan administrator by the trustee is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Report on Form and Content in Compliance with Department of Labor Rules and Regulations

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

Deloitte & Touche LLP

September 28, 2018

SPS TECHNOLOGIES, LCC RETIREMENT INCOME PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS AS OF DECEMBER 31, 2017 AND 2016

	2017	2016
ASSETS:		
Investments, at fair value—Plan interest in		
Master Trust with Bank of New York Mellon (Note 6)	\$ 132,053,506	\$ 128,897,211
Employer contributions receivable	10,000,000	—
Total assets	142,053,506	128,897,211
LIABILITIES:		
Accrued expenses	57,200	101,308
NET ASSETS AVAILABLE FOR BENEFITS	\$ 141,996,306	\$ 128,795,903

See notes to the financial statements

SPS TECHNOLOGIES, LCC RETIREMENT INCOME PLAN

STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS AS OF DECEMBER 31, 2017 AND 2016

	2017	2016
ADDITIONS:		
Plan interest in net investment income of		
Master Trust with Bank of New York Mellon (Note 6)	\$ 15,435,110	\$ 18,146,979
Employer contributions (Note 3)	10,000,000	—
Total additions	25,435,110	18,146,979
DEDUCTIONS:		
Benefits paid directly to participants	11,576,034	9,582,733
Administrative expenses	658,673	799,432
Total deductions	12,234,707	10,382,165
NET INCREASE IN NET ASSETS AVAILABLE FOR BENEFITS	13,200,403	7,764,814
NET ASSETS AVAILABLE FOR BENEFITS:		
Beginning of year	128,795,903	121,031,089
End of year	\$ 141,996,306	\$ 128,795,903

See notes to the financial statements

SPS TECHNOLOGIES, LCC RETIREMENT INCOME PLAN

NOTES TO FINANCIAL STATEMENTS

AS OF AND FOR THE YEARS END DECEMBER 31, 2017 AND 2016

1. DESCRIPTION OF THE PLAN

The following brief description of the SPS Technologies, LLC Retirement Income Plan (the “Plan”) is provided for general information purposes only. Participants should refer to the Plan agreement for more complete information.

General-The Plan is a noncontributory defined benefit plan for certain employees of SPS Technologies, Inc. in the United States of America. The Plan is subject to the Employee Retirement Income Security Act of 1974 (ERISA), as amended.

On December 9, 2003, SPS Technologies, Inc. was acquired by Precision Castparts Corp. (PCC), at which time SPS Technologies, Inc. became SPS Technologies, LLC (the “Company”).

Effective April 1, 1995, PCC established a master trust arrangement (the “Master Trust”) to hold and invest amounts under various plans sponsored by PCC. The assets of the Master Trust are held by the Bank of New York Mellon (the “Trustee”). On March 10, 2004, the SPS Technologies, LLC Retirement Income Plan transferred its assets to the Bank of New York Mellon and began participation in the Master Trust. Each participating retirement plan has an undivided interest in the Master Trust. Accordingly, the financial statements of the Plan have been prepared to show the Plan’s share of the Master Trust assets and net investment income.

Plan Amendments-Effective January 1, 2016, the 2016 Restatement was amended by Amendments 1 and 2 in response to comments received by the IRS relating to a request for an updated determination letter and to make certain editorial changes. A favorable IRS determination letter was issued on May 18, 2017. The 2016 Restatement was further amended effective April 1, 2018 to revise the Plan’s claims procedure in response to Department of Labor Regulation Section 2560.503-1.

Eligibility and Vesting-Effective April 1, 2012, the Company amended the Plan to close participation to employees hired on or after April 1, 2012. Participants are 100% vested after 3 years of vesting service or if they attain normal retirement age while employed by the Company. See Plan document for a listing of ineligible subsidiaries and divisions.

Pension Benefits-All terminated vested employees may elect to receive their pension benefits under several optional forms, including a lump sum distribution, or a joint and survivor annuity, subject to certain actuarial computations. Benefits are accumulated based on employer credits, supplemental credits and credited interest earned during the participants’ employment.

Death and Disability Benefits-If a vested participant dies prior to retirement, the participant’s surviving spouse may elect to receive the participant’s account balance in the form of a lump sum payment or an annuity. If a participant was not married at death, the beneficiary will receive a lump sum of the participant’s account balance.

Active participants who become totally disabled can receive additional employer credits and interest through the first anniversary date of disability, or if earlier, the date of termination. Disability benefits are payable immediately on the later of the first anniversary date of disability, date of termination, or the date on which the participant becomes vested.

Plan Administration-The Company’s Vice President of Human Resources is the Plan Administrator. The Company, acting through its Board of Directors, appoints a Retirement Plan Committee and an Investment Committee (the “Committees”) for the Plan. The Committees are responsible for collecting employer contributions, investing such contributions for the exclusive benefit of the Plan members and paying benefits. Contributions from the Company are invested in such funds or securities as may be determined by the Master Trust Investment Committee.

Administrative Expenses-Most legal, audit, administrative and custodial expenses are paid by the Plan. Those not paid by the Plan are paid by the Company. No expenses are paid by the Plan to employees of the Plan Sponsor or affiliates who perform services on behalf of the Plan.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The following are the significant accounting policies followed by the Plan:

Basis of Accounting-The accompanying financial statements have been prepared on the accrual basis of accounting, and in accordance with accounting principles generally accepted in the United States of America (US GAAP).

Use of Estimates-The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities and changes therein, disclosure of contingent assets and liabilities, and the actuarial present value of accumulated plan benefits and changes therein at the date of the financial statements. Actual results could differ from those estimates.

Investment Valuation and Income Recognition-Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 5 for a discussion of fair value measurements.

The Plan's interest in the Master Trust is based on the beginning of the year value of the Plan's interest in the trusts plus actual contributions and allocated investment income or loss less actual distributions and allocated administrative expenses.

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

Risks and Uncertainties-The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate risk, credit risk, and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the financial statements.

Contributions to the Plan and the actuarial present value of accumulated plan benefits are prepared based on certain assumptions pertaining to interest rates, inflation rates and employee compensation and demographics. Due to the changing nature of these assumptions, it is reasonably possible that changes in these estimates and assumptions will occur in the near term and the effect of such changes could be material to the financial statements.

Actuarial Present Value of Accumulated Plan Benefits-Accumulated plan benefits are those future periodic payments, including lump sum distributions, which are attributable under the Plan's provisions to the service rendered by employees. Accumulated plan benefits include benefits expected to be paid to (a) retired or terminated employees or their beneficiaries, (b) beneficiaries of employees who have died, and (c) present employees or their beneficiaries. Each participant of the Plan has an accumulated benefit balance. The Plan was converted to a cash balance plan effective December 31, 1994. Under this revised plan design, participants are assigned a point value based on their age and length of benefit service. Benefits are calculated quarterly by applying pensionable earnings times a percentage rate determined by the participant's point value. Supplemental benefit credits are given to certain participants above a specified point value. In addition, interest credits are applied to a participant's balance on a quarterly basis.

The actuarial present value of accumulated plan benefits is estimated by independent actuaries based upon the latest actuarial determination, as of January 1, 2017. The amount is determined by applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements such as for death, disability, withdrawal or retirement) between the valuation date and the expected date of payment.

The significant actuarial assumptions used in the valuation as of January 1, 2017, were as follows:

Discount rate	7.25%
Salary growth	3.00% per year
Social security taxable wage base	2.75% per year
Interest crediting rate	5.00% per year
Mortality	RP-2014 Mortality Tables with Blue Collar adjustment, projected with Scale BB to 2025 (adopted January 1, 2017).
Actuarial method	Unit credit actuarial cost method
Asset valuation	Market value

Eligible employees were assumed to retire according to the following table:

Age	Retirement Rate (%)
55–56	5.0
57–60	10.0
61	15.0
62	27.5
63–64	20.0
65	40.0
66–68	30.0
69	40.0
70	100.0

The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits. Due to uncertainties inherent in the estimations and assumptions process, it is at least reasonably possible that certain changes in these estimates and assumptions could be material to the financial statements.

Accumulated plan benefits as of January 1, 2017, the date of the most recent actuarial report available, are summarized as follows:

Vested benefits:	
Retired	\$ 6,374,342
Beneficiaries	1,441,981
Terminated vested	32,568,159
Deferred beneficiaries	560,795
Active participants	62,508,990
Total actuarial present value of accumulated plan benefits	<u>\$ 103,454,267</u>

The changes in accumulated plan benefits from January 1, 2016 to January 1, 2017, are as follows:

Actuarial present value of accumulated plan benefits—January 1, 2016	\$ 101,125,200
Increase (decrease) during the year attributable to:	
Benefits accumulated	3,992,493
Reduction in discount period	7,231,534
Benefits paid	(9,582,733)
Actuarial gain	(611,168)
Change in actuarial assumptions	1,298,941
Net increase	2,329,067
Actuarial present value of accumulated plan benefits—January 1, 2017	<u>\$ 103,454,267</u>

Payment of Benefits—Benefit payments to participants are recorded upon distribution.

Recent Accounting Pronouncements—In February 2017, the Financial Accounting Standards Board (“FASB”) issued Accounting Standards Update (“ASU”) 2017-06, *Plan Accounting: Employee Benefit Plan Master Trust Reporting*, which clarifies presentation requirements for a plan’s interest in a master trust and requires more detailed disclosures of the plan’s interest in the master trust. The amendments in this update are effective for fiscal years beginning after December 15, 2018, with early adoption permitted. A reporting entity should apply the amendments retrospectively to all periods presented. Although early adoption is permitted, the Plan will apply the amendments in this update to the financial statements for the year ending December 31, 2019. Plan management is currently evaluating the impact of ASU 2017-06 on the Plan’s financial statements.

Disclosure of Evaluation of Subsequent Events—The Plan has evaluated subsequent events through September 28, 2018, the date the financial statements were available to be issued.

3. FUNDING POLICY

The Company’s contributions are based on actuarial calculations as determined under the Unit Credit Actuarial Cost Method with amortization of past service cost over the period of time required to satisfy minimum funding requirements. The Company makes contributions no later than the date of filing its income tax return for each fiscal year. The Company is under no obligation to make any contributions, which are not deductible for income tax purposes in the applicable fiscal year. In 2017 and 2016, the Company satisfied the ERISA minimum funding requirements of \$2,057,196 and \$5,944,917, respectively, by using excess contributions from prior years.

4. PLAN TERMINATION

Although it has not expressed any intention to do so, the Company 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:

1. Annuity benefits that former employees or their beneficiaries have been receiving for at least three years, or that employees eligible to retire for that three-year period would have been receiving if they had retired with benefits in the normal form of annuity under the plan. The priority amount is limited to the lowest benefit that was payable (or would have been payable) during those three years. The amount is further limited to the lowest benefit that would be payable under Plan provisions in effect at any time during the five years preceding plan termination.
2. Other vested benefits insured by the Pension Benefit Guaranty Corporation up to the applicable limitations.
3. All other vested benefits not insured by the Pension Benefit Guaranty Corporation.
4. All non-vested benefits.
5. If any assets remain after all accrued benefits have been provided for in full and all expenses have been paid, they will be returned to the Company.

5. FAIR VALUE MEASUREMENTS

FASB ASC 820, *Fair Value Measurements and Disclosures*, provides a framework for measuring fair value. That framework 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 as follows:

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;
- 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's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs. Investments classified within Level 3 whose fair value measurements consider several inputs may include Level 1 or Level 2 inputs as components of the overall fair value measurement.

Valuation of Investments in Master Trust-The Master Trust asset allocation strategy is designed with the objective of achieving the asset return assumption consistently over the long-term in order to fund future payment obligations, while minimizing contributions and plan sponsor economic risk. The asset categories are described below, along with the valuation methodologies and investment level classifications. There have been no changes in the methodologies used at December 31, 2017 and 2016.

Public Equity Securities (Long/Hedged)-Long equity investments consist of publicly traded equity securities, while hedged equity investments typically add short positions in equities or equity futures in order to generate absolute returns regardless of equity market direction. Public equity investments made directly through managed (separate) account structures and valued based upon closing prices reported in active trading markets are classified as Level 1. Other fund investments are valued using the most recent net asset value ("NAV") of the fund.

Private Equity-Private equity investments consist of investments in non-public companies made directly or through limited partnerships or commingled vehicles with managers who purchase interests in non-public companies. Sub-categories of private equity may include venture capital, early stage, special situations or restructuring funds. Private equity typically has low liquidity, a 10 year or longer investment commitment, and valuation methodologies that require the use of significant unobservable inputs. Direct private equity investments are classified as Level 3, while investments made through funds are typically valued at the most recent NAV of the fund. As of December 31, 2017 and 2016, unfunded capital commitments to private equity investments were approximately \$10 million and \$17 million, respectively.

Absolute Return-Absolute return strategies are investments with managers who seek specified levels of absolute returns with minimal correlation to market movements. Absolute return managers typically invest in futures, forwards or options on a variety of asset classes. Investments are typically made in limited partnerships with values stated at fund NAVs. As of December 31, 2017 and 2016, unfunded capital commitments to absolute return investments were approximately \$0 and \$1 million, respectively.

Royalty Investments-Royalty investments are made through limited partnerships which purchase income-producing royalties derived from sales of pharmaceutical products. Valuations are determined from an independent appraisal process whereby significant observable inputs are used in determining the fund's NAV. Liquidity is typically arranged in the secondary market with trades occurring at the most recent NAV.

Fixed Income (Investment/Non-Investment Grade)-Fixed income investments consist of public and private fixed income securities of U.S. and non-U.S. government and corporate issuers, fixed income mutual funds and interest rate derivatives intended to hedge a portion of the pension plan's sensitivity to interest changes. Fixed income investments made directly through managed (separate) account structures and valued based upon closing prices reported in the active trading markets are classified as Level 1. Direct private debt investments are classified as Level 3. Other investments are valued using the most recent fund NAV. As of December 31, 2017 and 2016, unfunded capital commitments to fixed income investments were approximately \$0 and \$6 million, respectively.

Cash/Other-Cash and other investments include highly liquid money market securities, demand deposits and other cash equivalents. Cash and other investments are classified as Level 1.

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

6. INFORMATION CERTIFIED BY THE TRUSTEE

The Bank of New York Mellon, the Trustee, holds all investments and executes all transactions on behalf of the Plan. The Plan administrator has elected the method of compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, the Plan administrator has obtained certifications from the Plan trustee that information regarding the fair value and cost of all investments, plus all investment interest and dividend income and net appreciation (depreciation) in fair value of investments and gains and losses, is complete and accurate at December 31, 2017 and 2016, and for the years then ended. In addition, certain investment information included in Note 7 is provided by or compiled from information certified by the Bank of New York Mellon.

7. INTEREST IN THE MASTER TRUST WITH THE BANK OF NEW YORK MELLON

The Plan's investments are in the Master Trust with the Bank of New York Mellon, which was established for the investment of assets of the Plan and several other retirement plans sponsored by Precision Castparts Corp. Each participating retirement plan has an undivided interest in the Master Trust with the Bank of New York Mellon. The value of the Plan's interest in the Master Trust with the Bank of New York Mellon is based on the beginning of year value of the Plan's interest in the trust, plus actual contributions and allocated investment income (loss), less actual distributions and allocated administrative expenses. At December 31, 2017 and 2016, the Plan's interest in the net assets of the Master Trust with the Bank of New York Mellon was 7.84% and 8.29%, respectively. Investment income (loss) and administrative expenses relating to the Master Trust are allocated to the individual plans based upon average monthly balances invested by each plan.

The following table presents the fair values of net assets at December 31, 2017 and 2016, for the Master Trust:

	2017	2016
Net assets at fair value:		
Equity:		
Long	\$ 1,061,454,508	\$ 940,096,331
Hedged	19,812,179	18,759,644
Private	215,945,051	193,072,623
Total equity	1,297,211,738	1,151,928,598
Absolute return arbitrage	1,176,291	1,640,146
Royalties	272,497,936	268,347,926
Fixed income non-investment grade	60,942,230	66,969,900
Cash/other	53,573,296	66,525,643
Net assets at fair value	<u>\$ 1,685,401,491</u>	<u>\$ 1,555,412,213</u>

Net investment income for the Master Trust is as follows for the years ended December 31, 2017 and 2016:

	2017	2016
Net appreciation in fair value of investments	\$ 153,261,277	\$ 183,590,798
Interest and dividends	36,532,352	35,775,705
Total investment income	189,793,629	219,366,503
Investment management credits (fees)	34,396	(2,131,058)
Net investment income	<u>\$ 189,828,025</u>	<u>\$ 217,235,445</u>

The following table presents the change in net assets at December 31, 2017 and 2016, for the Master Trust:

	2017	2016
Change in net assets:		
Net investment income	\$ 189,828,025	\$ 217,235,445
Administrative expenses	(365,380)	(408,491)
Net transfers	(59,473,367)	(69,313,808)
Total change in net assets	129,989,278	147,513,146
Beginning of year net assets	1,555,412,213	1,407,899,067
End of year net assets	<u>\$ 1,685,401,491</u>	<u>\$ 1,555,412,213</u>

The following table sets forth by level, within the fair value hierarchy, the Master Trust's assets at fair value at December 31, 2017.

Fair Value Measurements Using					
	Level 1	Level 2	Level 3	Measured at NAV	Total
Equity:					
Long	\$ 1,061,454,508	\$ —	\$ —	\$ —	\$ 1,061,454,508
Hedged	—	—	—	19,812,179	19,812,179
Private	—	—	83,897,857	132,047,194	215,945,051
Total equity	1,061,454,508	—	83,897,857	151,859,373	1,297,211,738
Absolute return arbitrage	—	—	—	1,176,291	1,176,291
Royalties	—	—	—	272,497,936	272,497,936
Fixed income non-investment grade	29,958,676	—	30,753,298	230,256	60,942,230
Cash/other	53,573,296	—	—	—	53,573,296
Total assets at fair value	<u>\$ 1,144,986,480</u>	<u>\$ —</u>	<u>\$ 114,651,155</u>	<u>\$ 425,763,856</u>	<u>\$ 1,685,401,491</u>

The following table sets forth by level, within the fair value hierarchy, the Master Trust's assets at fair value at December 31, 2016.

	Fair Value Measurements Using			Measured at NAV	Total
	Level 1	Level 2	Level 3		
Equity:					
Long	\$ 940,096,331	\$ —	\$ —	\$ —	\$ 940,096,331
Hedged	—	—	—	18,759,644	18,759,644
Private	—	—	80,458,160	112,614,463	193,072,623
Total equity	940,096,331	—	80,458,160	131,374,107	1,151,928,598
Absolute return arbitrage	—	—	—	1,640,146	1,640,146
Royalties	—	—	—	268,347,926	268,347,926
Fixed income non-investment grade	—	—	28,878,131	38,091,769	66,969,900
Cash/other	66,525,643	—	—	—	66,525,643
Total assets at fair value	\$ 1,006,621,974	\$ —	\$ 109,336,291	\$ 439,453,948	\$ 1,555,412,213

The table below sets forth a summary of changes in the fair value of the Master Trust's Level 3 assets for the year ended December 31, 2017:

	Private Equity	Fixed Income Non-Investment Grade	Total
Beginning of year	\$ 80,458,160	\$ 28,878,131	\$ 109,336,291
Unrealized losses	(4,448,600)	—	(4,448,600)
Realized gains	8,443,150	1,875,167	10,318,317
Purchases	972,876	—	972,876
Sales	(1,527,729)	—	(1,527,729)
End of year	\$ 83,897,857	\$ 30,753,298	\$ 114,651,155

The table below sets forth a summary of changes in the fair value of the Master Trust's Level 3 assets for the year ended December 31, 2016:

	Private Equity	Fixed Income Non-Investment Grade	Total
Beginning of year	\$ 85,699,458	\$ 27,466,708	\$ 113,166,166
Unrealized (losses) gains	(4,398,475)	983,314	(3,415,161)
Realized gains	—	170,156	170,156
Purchases	—	428,110	428,110
Sales	(842,823)	(170,157)	(1,012,980)
End of year	\$ 80,458,160	\$ 28,878,131	\$ 109,336,291

Transfers between Levels—The availability of observable market data is monitored to assess the appropriate classification of financial instruments within the fair value hierarchy. Changes in economic conditions or model-based valuation techniques may require the transfer of financial instruments from one fair value level to another. In such instances, the transfer is reported at the beginning of the reporting period.

We evaluate the significance of transfers between levels based upon the nature of the financial instrument and size of the transfer relative to total net assets available for benefits. For the years ended December 31, 2017 and 2016, there were no transfers between levels.

8. **TAX STATUS**

The Internal Revenue Service has determined and informed the Company by letter dated May 18, 2017, that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code (IRC). The Plan administrator believes that the Plan, as amended, is designed and is currently being operated in compliance with the applicable requirements of the IRC, thereby continuing to exempt the Plan from federal income taxes.

US GAAP requires Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2017, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

9. **EXEMPT PARTY-IN-INTEREST TRANSACTIONS**

Certain Plan investments are managed by the Bank of New York Mellon. The Bank of New York Mellon is the trustee as defined by the Plan and, therefore, these transactions qualify as exempt party-in-interest transactions. Fees paid by the Plan for investment management services were included as a reduction of the return earned on each fund. Fees paid by the Plan for the investment management services were not significant for the years ended December 31, 2017 and 2016.

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 2017 This Form is Open to Public Inspection
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For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

► **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 SPS TECHNOLOGIES, LLC RETIREMENT INCOME PLAN	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">B Three-digit plan number (PN) ►</td> <td style="width:30%; text-align: center;">001</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> </table>	B Three-digit plan number (PN) ►	001		
B Three-digit plan number (PN) ►	001				
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF SPS TECHNOLOGIES, LLC	D Employer Identification Number (EIN) 23-1116110				

E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500
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Part I Basic Information				
1	Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2017</u>			
2	Assets:			
	a Market value	2a	128897211	
	b Actuarial value	2b	121926472	
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	292	8421838	8421838
	b For terminated vested participants	2282	35007357	35007357
	c For active participants	1165	68179138	68179138
	d Total.....	3739	111608333	111608333
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	5.43 %	
6	Target normal cost	6	4508887	

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	Nina M. Lantz <div style="text-align: center;">Signature of actuary</div>	10/3/2018 <div style="text-align: center;">Date</div>
	NINA M. LANTZ <div style="text-align: center;">Type or print name of actuary</div>	17-06336 <div style="text-align: center;">Most recent enrollment number</div>
	MILLIMAN, INC. <div style="text-align: center;">Firm name</div>	503-227-0634 <div style="text-align: center;">Telephone number (including area code)</div>
	111 S.W. FIFTH AVENUE SUITE 3700 PORTLAND, OR 97204-3654 <div style="text-align: center;">Address of the firm</div>	

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) 2017
v. 170203

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	12748037
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	5944917
9	Amount remaining (line 7 minus line 8)	0	6803120
10	Interest on line 9 using prior year's actual return of <u>15.63</u> %	0	1063328
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		0
b(1)	Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.65</u> %		0
b(2)	Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c	Total available at beginning of current plan year to add to prefunding balance		0
d	Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d - line 12)	0	7866448

Part III Funding Percentages			
14	Funding target attainment percentage	14	102.19%
15	Adjusted funding target attainment percentage	15	109.24%
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	97.88%
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
08/06/2018	10000000				
Totals ►			18(b)	10000000	18(c)

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	9191430
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: 4.16 %	2nd segment: 5.72 %	3rd segment: 6.48 %	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 0
22 Weighted average retirement age				22 61
23 Mortality table(s) (see instructions)	☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute			

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):												
a Target normal cost (line 6)	31a	4508887										
b Excess assets, if applicable, but not greater than line 31a	31b	2451691										
32 Amortization installments:	<table border="1"> <thead> <tr> <th></th> <th>Outstanding Balance</th> <th>Installment</th> </tr> </thead> <tbody> <tr> <td>a Net shortfall amortization installment</td> <td>0</td> <td>0</td> </tr> <tr> <td>b Waiver amortization installment</td> <td>0</td> <td>0</td> </tr> </tbody> </table>				Outstanding Balance	Installment	a Net shortfall amortization installment	0	0	b Waiver amortization installment	0	0
	Outstanding Balance	Installment										
a Net shortfall amortization installment	0	0										
b Waiver amortization installment	0	0										
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33											
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	2057196										
		Carryover balance	Prefunding balance									
35 Balances elected for use to offset funding requirement		0	2057196									
36 Additional cash requirement (line 34 minus line 35)	36	0										
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	9191430										
38 Present value of excess contributions for current year (see instructions)												
a Total (excess, if any, of line 37 over line 36)	38a	9191430										
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	2057196										
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		
42 Amount of acceleration adjustment	42		
43 Excess installment acceleration amount to be carried over to future plan years	43		

Schedule SB, line 26 – Schedule of Active Participant Data
SPS Technologies, LLC Retirement Income Plan
EIN/PN: 23-1116110 / 001

SPS TECHNOLOGIES, LLC
RETIREMENT INCOME PLAN

AVERAGE EARNINGS FOR ACTIVE PARTICIPANTS
(JANUARY 1, 2017)

Age	Under 1		1 TO 4		5 TO 9		10 TO 14	
	No.	Ave Earnings	No.	Ave Earnings	No.	Ave Earnings	No.	Ave Earnings
Under 25	-	\$ -	-	\$ -	-	\$ -	-	\$ -
25 to 29	-	-	1	-	7	-	2	-
30 to 34	-	-	1	-	31	62,514	16	-
35 to 39	-	-	1	-	22	63,645	19	-
40 to 44	-	-	2	-	26	53,935	14	-
45 to 49	-	-	2	-	41	70,216	20	61,858
50 to 54	-	-	3	-	26	71,855	25	67,888
55 to 59	-	-	2	-	38	58,987	23	64,418
60 to 64	-	-	1	-	29	57,855	23	54,493
65 to 69	-	-	-	-	6	-	5	-
70 & Up	-	-	-	-	1	-	1	-
Totals	-	\$ -	13	\$ -	227	\$ 62,590	148	\$ 58,916

Age	15 TO 19		20 TO 24		25 TO 29		30 TO 34	
	No.	Ave Earnings	No.	Ave Earnings	No.	Ave Earnings	No.	Ave Earnings
Under 25	-	\$ -	-	\$ -	-	\$ -	-	\$ -
25 to 29	-	-	-	-	-	-	-	-
30 to 34	1	-	-	-	-	-	-	-
35 to 39	10	-	1	-	-	-	-	-
40 to 44	29	62,854	12	-	-	-	-	-
45 to 49	39	58,226	17	-	9	-	1	-
50 to 54	51	63,653	22	69,574	17	-	36	69,625
55 to 59	39	63,950	30	66,797	27	65,605	48	67,440
60 to 64	27	57,269	28	63,756	12	-	31	57,886
65 to 69	6	-	10	-	3	-	10	-
70 & Up	4	-	3	-	1	-	-	-
Totals	206	\$ 61,985	123	\$ 67,506	69	\$ 66,734	126	\$ 65,653

Age	35 TO 39		40 & UP		All Years		Average Participant	
	No.	Ave Earnings	No.	Ave Earnings	No.	Ave Earnings		
Under 25	-	\$ -	-	\$ -	-	\$ -	Age at Hire:	31.0
25 to 29	-	-	-	-	10	-		
30 to 34	-	-	-	-	49	60,047	Current Age:	53.7
35 to 39	-	-	-	-	53	62,164		
40 to 44	-	-	-	-	83	59,531	Service:	21.8
45 to 49	-	-	-	-	129	64,247		
50 to 54	-	-	-	-	180	67,836		
55 to 59	97	68,931	1	-	305	66,078		
60 to 64	55	65,596	42	69,386	248	62,263		
65 to 69	13	-	14	-	67	62,076	Number of active	
70 & Up	5	-	5	-	20	59,537	participants not	
	170	\$ 66,353	62	\$ 68,583	1,144	\$ 63,936	accruing benefits:	21

Earnings for 2016 were annualized and limited to the 2016 IRC Section 401(a)(17) compensation limit - \$265,000.
There are 26 active participants with a frozen accrued benefit, including 2 who are not accruing benefits.

Schedule SB, line 26 – Schedule of Active Participant Data
 SPS Technologies, LLC Retirement Income Plan
 EIN/PN: 23-1116110 / 001

SPS TECHNOLOGIES, LLC
 RETIREMENT INCOME PLAN

AVERAGE CASH BALANCE ACCOUNT FOR ACTIVE PARTICIPANTS
 (JANUARY 1, 2017)

Age	YEARS OF CREDITED SERVICE							
	Under 1		1 TO 4		5 TO 9		10 TO 14	
	No.	Ave Cash Bal	No.	Ave Cash Bal	No.	Ave Cash Bal	No.	Ave Cash Bal
Under 25	-	\$ -	-	\$ -	-	\$ -	-	\$ -
25 to 29	-	-	1	-	7	-	2	-
30 to 34	-	-	1	-	33	7,812	16	-
35 to 39	-	-	1	-	23	10,214	20	11,899
40 to 44	-	-	3	-	26	9,394	14	-
45 to 49	-	-	2	-	42	15,477	21	18,036
50 to 54	-	-	3	-	27	18,847	27	25,504
55 to 59	-	-	2	-	40	16,170	23	27,932
60 to 64	-	-	1	-	30	19,254	23	30,553
65 to 69	-	-	-	-	6	-	5	-
70 & Up	-	-	-	-	1	-	1	-
Totals	-	\$ -	14	\$ 7,287	235	\$ 14,100	152	\$ 20,950

Age	YEARS OF CREDITED SERVICE							
	15 TO 19		20 TO 24		25 TO 29		30 TO 34	
	No.	Ave Cash Bal	No.	Ave Cash Bal	No.	Ave Cash Bal	No.	Ave Cash Bal
Under 25	-	\$ -	-	\$ -	-	\$ -	-	\$ -
25 to 29	-	-	-	-	-	-	-	-
30 to 34	1	-	-	-	-	-	-	-
35 to 39	10	-	1	-	-	-	-	-
40 to 44	29	28,506	12	-	-	-	-	-
45 to 49	39	31,525	17	-	9	-	1	-
50 to 54	53	35,779	23	52,121	17	-	36	68,910
55 to 59	39	44,208	30	61,689	28	70,145	48	76,183
60 to 64	27	43,903	28	67,061	13	-	31	73,111
65 to 69	6	-	10	-	3	-	10	-
70 & Up	4	-	3	-	1	-	-	-
Totals	208	\$ 37,678	124	\$ 57,423	71	\$ 71,096	126	\$ 77,527

Age	YEARS OF CREDITED SERVICE							
	35 TO 39		40 & UP		All Years		Average Participant	
	No.	Ave Cash Bal	No.	Ave Cash Bal	No.	Ave Cash Bal		
Under 25	-	\$ -	-	\$ -	-	\$ -	Age at Hire:	31.1
25 to 29	-	-	-	-	10	-		
30 to 34	-	-	-	-	51	8,618	Current Age:	53.7
35 to 39	-	-	-	-	55	13,937		
40 to 44	-	-	-	-	84	21,035	Service:	21.7
45 to 49	-	-	-	-	131	25,822		
50 to 54	-	-	-	-	186	41,744		
55 to 59	98	113,647	1	-	309	70,650		
60 to 64	55	136,987	42	168,963	250	89,175		
65 to 69	13	-	14	-	67	106,309		
70 & Up	5	-	5	-	20	154,956		
Totals	171	\$ 121,241	62	\$ 184,103	1,163	\$ 58,917		

There are 26 active participants with a frozen accrued benefit, including 2 who do not have a cash balance account.

ACTUARIAL ASSUMPTIONS AND METHODS

This section of the report describes the actuarial cost method and assumptions used in the valuation. These procedures and assumptions have been chosen on the basis of recent experience of the Plan and on current expectations as to future economic conditions.

The assumptions are intended to estimate the future experience of the Plan in areas that affect the projected benefit flow and anticipated investment earnings. Any variations in future experience from these assumptions will result in corresponding changes in the estimated costs of the Plan's benefits.

Actuarial Cost Method

For purposes of calculating the Funding Target and liabilities under FASB ASC Topic 960, we calculated the actuarial present value of benefits accrued as of the beginning of the plan year. This cost method is typically referred to as the Unit Credit method.

Records and Data

Participant data used in this valuation consists of records of age, service, account balance, and compensation of active employees and the age and remaining benefits payable to former employees. All of the data was supplied by SPS Technologies, LLC and is accepted for valuation purposes without audit. Participant data is summarized in Appendix C.

The financial statements furnished by BNY Mellon were accepted without audit.

Plan provisions provided by Stoel Rives LLP were accepted without audit.

Actuarial Value of Assets

Market value of assets is used for measurements under FASB ASC Topic 960. For funding requirements, the Plan uses the 24 month average value of assets per IRS Notice 2009-22. (Adopted January 1, 2009)

Discount Rates

The following discount rates were used for calculating the present value of accumulated plan benefits for the purposes listed below. The FASB ASC Topic 960 discount rate is based on the Plan's target asset allocation, combined with forward-looking, long-term capital market assumptions from the Plan's investment advisors. As selected by PCC, the rates for calculating the PPA Funding Target are the January 2017 segment rates. As prescribed by interest rate stabilization legislation, in 2017 these rates must be between 90% and 110% of the 25-year average rates published by the IRS. Segment Rate Stabilization does not apply to the determination of the Maximum Deductible Contribution, the variable rate portion of the PBGC premium, and the ERISA Section 4010 reporting requirement.

- 7.25% for FASB ASC Topic 960
- PPA Funding Target
 - Segment 1 payments under 5 years 4.16%
 - Segment 2 payments between 5 and 20 years 5.72%
 - Segment 3 payments after 20 years 6.48%
 - Effective Interest Rate 5.43%

Schedule SB, Part V – Statement of Actuarial Assumptions/Methods
SPS Technologies, LLC Retirement Income Plan
EIN/PN: 23-1116110 / 001

- Maximum Deductible Contribution
 - Segment 1 payments under 5 years 1.57%
 - Segment 2 payments between 5 and 20 years 3.77%
 - Segment 3 payments after 20 years 4.73%
- PBGC variable premium
 - Segment 1 payments under 5 years 2.04%
 - Segment 2 payments between 5 and 20 years 4.03%
 - Segment 3 payments after 20 years 4.82%

Salary Scale

Salary rates were assumed to increase 3.00% per year, as selected by Precision Castparts Corp.

Interest Crediting Rate

Cash balance accounts were assumed to grow at an annual rate of 5.00%.

Whipsaw Adjustment

Account balances were adjusted for whipsaw for distributions expected to occur during 2017. For 2017, the IRC Section 417(e) segment rates were assumed to be 1.50%, 3.75% and 4.50% for segments 1, 2, and 3, respectively, as compared to the assumed interest crediting rate to account balances of 5.0%. No whipsaw adjustment was calculated for expected distributions after 2017. (Adopted January 1, 2017)

Future Service

Each active participant is assumed to earn one year of service in each future plan year prior to the year of retirement, death or withdrawal.

Withdrawal

Withdrawals prior to retirement for reasons other than death were assumed to depend on service rather than age (Adopted January 1, 2013). Withdrawal rates are shown below:

Years of Service	Rate of Termination (Per 1,000)
< 2	270.0
2 to 3	230.0
3 to 4	180.0
4 to 5	150.0
5 to 9	130.0
10 to 14	100.0
15 to 19	75.0
20 to 24	65.0
25 +	55.0

Retirement

Eligible employees were assumed to retire prior to normal retirement according to the following table (Adopted January 1, 2013):

Age	Rate
55-56	5.0%
57-60	10.0%
61	15.0%
62	27.5%
63-64	20.0%
65	40.0%
66-68	30.0%
69	40.0%
70	100.0%

Mortality

For FASB ASC Topic 960 purposes, the RP2014 Mortality Tables with Blue Collar adjustment projected to 2025 using Scale BB to reflect both current and future improvements in mortality. (Adopted January 1, 2017)

For calculating the Funding Target and PBGC variable premium, mortality follows the RP-2000 annuitant and non-annuitant mortality tables for 2017 as prescribed by the IRS.

Disability

Current actives are not assumed to terminate due to disability.

Administrative Expenses

Administrative expenses are assumed to be \$700,000 payable midyear.

Social Security

The Social Security taxable wage base is assumed to increase 2.75% per year.

Probability of Marriage

100% of non-retired participants are assumed to be married to a spouse the same age.

Lump Sum vs. Annuities

The chart below summarizes when and how participants are assumed to receive their vested benefits.

Schedule SB, Part V – Statement of Actuarial Assumptions/Methods
 SPS Technologies, LLC Retirement Income Plan
 EIN/PN: 23-1116110 / 001

	When	How
Actives	Termination Retirement or Death	10%/year elect account balance 100% elect account balance
Greenville	Retirement or Death	100% elect lump sum
Vested Terminated		
Pre 1995	Retirement	100% receive lump sum
Post 1994	Not eligible for Retirement Upon Retirement/Death	10%/year elect account balance 100% elect account balance
Retirees	Effective on their respective retirement date	100% receive annuities

Annuity benefits were converted to lump sums using the following assumptions:

Mortality	The 2017 Applicable Mortality Table as published in IRS Notice 2016-50.
Interest Rates	2017 IRC 417(e) Segment Rates with 2-month lookback (Nov. 2016) First Segment 1.79% Second Segment 3.80% Third Segment 4.71%

CHANGE IN ACTUARIAL ASSUMPTIONS

- The FASB ASC Topic 960 interest rate was updated to 7.25% from 7.50% to reflect updated investment return expectations.
- For FASB ASC Topic 960 accounting purposes, the mortality table was updated to be the RP2014 Mortality Tables with Blue Collar adjustment projected to 2025 using Scale BB. The change was made to better reflect anticipated plan experience.
- Account balances were adjusted for whipsaw for distributions expected to occur during 2017. For 2017, the IRC Section 417(e) segment rates were assumed to be 1.50%, 3.75% and 4.50% for segments 1, 2, and 3, respectively, as compared to the assumed interest crediting rate to account balances of 5.0%. No whipsaw adjustment was calculated for expected distributions after 2017.
- The expense assumption was increased from \$600,000 to \$700,000 to reflect increased PBGC premiums and expected experience.

PLAN SUMMARY

This section of the report describes the provisions of the current Plan as of the valuation date.

Effective Date

December 31, 1942. Amended and restated effective January 1, 2016. The latest Plan amendment reflected in the valuation was Amendment 2, effective January 1, 2016.

Type of Plan

Prior to January 1, 1995, the plan provided monthly annuities upon retirement based upon the following benefit formula:

The sum of

[1.5% times Highest Average Pensionable Earnings times Years of Credited Service up to 30

plus

0.5% times Highest Average Pensionable Earnings times Years of Credited Service in excess of 30]

divided by 12 and reduced by

1.6667% times the participant's Primary Social Security Benefit x Years of Credited Service up to 30

Effective January 1, 1995, the plan became a cash balance plan. Benefits for active participants on December 31, 1994 were converted into account balances. Active members after January 1, 1995 are paid according to this cash balance plan, with provisions as described below.

Status of the Plan

The Plan is frozen to entry by employees newly hired or rehired on or after April 1, 2012. Previously, the Plan was open to new employees who met the eligibility requirements below.

Employees Eligible to Participate

All eligible employees of the SPS Technologies, LLC will begin participation on the individual's date of employment. Eligible employees exclude the following:

- (a) An employee who is covered by a collective bargaining agreement, unless that agreement provides for participation in this Plan,
- (b) Any leased employee or independent contractor,
- (c) Any individual listed in former Appendix E of the Plan,
- (d) Any former employees of Air Industries Company, LLC ("AIC"), who became employees of SPS as a result of a merger and any current employees of AIC division,
- (e) Any former employees of Shur-Lok Corporation ("Shur-Lok"), who became employees of SPS as a result of a merger and any current employees of Shur-Lok division,
- (f) Any former employees of Greer Stop Nut, Inc. ("Greer"), who became employees of SPS as a result of a merger and any current employees of Greer division,

- (g) Any former employees of Airdrome Parts, Co, LLC or Airdrome Holdings, LLC (collectively "Airdrome"), who became employees of SPS as a result of a merger and any current employees of Airdrome division,
- (h) Any employees who were not a current employee at the SPS Santa Ana or Cherry Aerospace division on January 1, 2010 subject to some exceptions,
- (i) Any former employees of Paul R. Briles, Inc. ("PB Fasteners"), who became employees of SPS as a result of the Asset Purchase Agreement and any current employees of PB Fasteners division,
- (j) Any former employees of Faber Enterprises, Inc. ("Faber"), who became employees of SPS as a result of a merger and any current employees of Faber division, and
- (k) Any employees who are newly hired or rehired by SPS or an adopting affiliated company on or after April 1, 2012.

Service

Vesting Service is calculated from the employee's Employment Date or Reemployment Date to the Date of Severance.

Benefit Service is earned for each Year of Vesting Service while the participant is an eligible employee. Some or all pre-transfer service with a nonparticipating Affiliated Company may be counted as Benefit Service for purposes of calculating Employer Credits for employees who become participants in this Plan on or after December 9, 2003 due to transfer.

Normal Retirement Date

A participant's Normal Retirement Date shall be the first day of the month coincident with or next following the later of:

- (a) the participant's 65th birthday, or
- (b) the fifth anniversary of participation in the Plan.

Accrued Benefit

A participant's accrued benefit is a monthly pension for life equal to the actuarial equivalent of the greater of the Regular and Alternate Account as of the Normal Retirement Date assuming no Employer credits after the date of determination, but with interest credited until the participant's Normal Retirement Date (or date of distribution, if earlier). Future interest is projected using the rate in effect on the date of determination.

The account balance may never be less than the aggregate Employer credits applied to the account.

Accounts

The following are hypothetical accounts created and maintained for each participant. No account represents a share of the Fund or entitles the participant to any share of the investment earnings of the Fund. These accounts were first established on December 31, 1994 for employees participating on that date, and created for all new participants after December 31, 1994.

(a) Regular Account

If an employee was participating in the plan as of December 30, 1994, the initial regular account balance was the present value of his accrued benefit as of December 31, 1994. Employer credits, Supplemental Employer credits and interest credits after December 31, 1994 are applied as described below.

(b) Alternate Account

Each participant who attained Early Retirement Age and was actively employed on December 31, 1994 had an alternate account balance created on this date equal to the present value of the immediate early retirement benefit commencing January 1, 1995, calculated as if the participant had retired on that date. Employer credits and interest credits after December 31, 1994 are applied as described below.

Employer Credits

For each quarter the participant earns Benefit Service, accounts are credited with an Employer credit. An individual's level of Employer credit depends on the participant's age and Years of Benefit Service at the beginning of each quarter (partial years included). The Employer credit is a percentage of the participant's Earnings in that quarter, determined in accordance to the following schedule:

Sum of Participant's Age and Benefit Service		Base Rate	Excess Rate
<u>At Least</u>	<u>But Less Than</u>	<u>Earnings Up to Taxable Wage Base</u>	<u>Earnings Above Taxable Wage Base</u>
1	28	1.250%	2.500%
28	36	1.625%	3.250%
36	44	2.000%	4.000%
44	52	2.500%	5.000%
52	60	3.125%	6.125%
60	68	3.750%	6.750%
68	76	4.625%	7.625%
76	84	5.625%	8.625%
84	92	6.750%	9.750%
92 or more		8.125%	11.125%

The base rate shall apply to all quarters of a given calendar year if the participant's cumulative Earnings for the year do not exceed the Taxable Wage Base. Once a participant's cumulative Earnings for a give calendar year exceed the Taxable Wage Base, the excess rate will apply. If cumulative Earnings exceed the Taxable Wage Base at some point during the quarter, the base rate will apply for the first part of the quarter and the excess rate will apply to the remainder of the quarter and the remainder of the calendar year.

Supplemental Employer Credits

Participants will be entitled to supplemental Employer credits if the sum of the participant's age and Years of Benefit Service is 60 or more on December 31, 1994 or on December 31, 1998.

For each quarter the participant earns Benefit Service, accounts are credited with a supplemental Employer credit. An individual's level of supplemental Employer credit depends on the participant's age and Years of Benefit Service at the beginning of each quarter (partial years included). The supplemental Employer credit is a percentage of the participant's Earnings in that quarter, determined in accordance to the following schedule:

Sum of Participant's Age and Benefit Service		Supplemental Rate
<u>At Least</u>	<u>But Less Than</u>	<u>Percentage of Earnings</u>
60	68	1.500%
68	76	1.850%
76	84	2.250%
84	92	2.700%
92 or more		3.250%

Supplemental Employer credits apply only to Regular Accounts, not to Alternate Accounts.

Interest Credits

At the end of each calendar quarter, each Account is credited with interest at a rate equal to the greater of (a) or (b) below:

- (a) 1.25%
- (b) $\frac{1}{4}$ the average rate of 1-Year Treasury constant maturity rates as of the first day of each month in the calendar quarter preceding the valuation date

It is assumed that Employer credits are added to the Accounts in the middle of each quarter.

Earliest Retirement Date

First day of any designated month coincident with or next following the date on which a member attains age 55 and completes 10 years of Vesting Service.

Amount of Early or Normal Retirement Pension

Benefits payable upon early or normal retirement are the actuarial equivalent of the Accrued Benefits as of the early or normal retirement dates.

Vesting

Effective January 1, 2008, a participant will be 100% vested in his Accrued Benefit after earning three or more years of Vesting Service or if the participant attains Normal Retirement Age while employed.

Optional Forms of Benefit

Benefit Form	Married Participants	Unmarried Participants
Single Life Annuity	Optional Form	Normal Form
50% Joint & Survivor Annuity	Normal Form	Optional Form
75% Joint & Survivor Annuity	Optional Form	Optional Form
100% Joint & Survivor Annuity	Optional Form	Optional Form
Lump Sum	Optional Form	Optional Form
10-Year Certain & Life Annuity ¹	Optional Form	Optional Form
Social Security Level Income Option ¹ (Benefit changes at age 62)	Optional Form	Optional Form
25% Joint & Survivor Annuity ²	Optional Form	Optional Form
Life with 100% J&S ^{3,5}	Optional Form	Optional Form
Life with 50% J&S ^{3,5}	Optional Form	Optional Form
60-Month Certain & Life Annuity ⁴	Optional Form	Optional Form
180-Month Certain & Life Annuity ⁴	Optional Form	Optional Form
66 2/3% Joint & Survivor Annuity ⁴	Optional Form	Optional Form

¹ Available only to employees who became participants prior to January 1, 1996.

² Available only for benefits earned under the Arnold Plan as of December 31, 1988.

³ Available only for benefits earned under the Ogallala Plan as of December 31, 1988.
 The life annuity is paid until the participant's normal retirement age, then changes to a 100% Joint & Survivor Annuity.

⁴ Available only for "A" benefits earned under the Greenville Plan as of December 31, 1998.

⁵ Available only for benefits earned under the Sevierville Plan as of December 30, 2001.

Disability

A participant who suffers Total Disability will continue to earn Benefit Service and Employer credits will be added to his account(s) until the first anniversary of the date of Total Disability (or, if earlier, the date of termination).

A participant who suffers Total Disability before becoming fully vested shall continue to earn Years of Vesting Service while disabled.

Disability benefits are payable on the later of the first anniversary of Total Disability, date of termination, or the date the participant becomes fully vested.

Pre-Retirement Death Benefits

If a vested participant dies prior to commencement of benefits, the surviving spouse may elect between a monthly pension for life equal to the actuarial equivalent of the Accrued Benefit or a lump sum equal to the greater of the participant's Regular or Alternate Account balance.

If a vested participant was not married at death, the beneficiary will receive a lump sum equal to the greater of the participant's Regular or Alternate Account balance.

Termination Benefits

A vested participant may elect to receive a lump sum equal to the greater of the participant's Regular or Alternate Account balance upon termination of employment. Greenville Participants may elect a lump sum or monthly annuity of the benefit earned under the Greenville Plan after the Participant's earliest retirement date following termination of employment.

Recently Merged Plans

The Greenville Metals, Inc. Employees Pension Plan and the Pension Plan for Hourly Employees of the Arnold Engineering Company (Sevierville, Tennessee) were merged into this Plan effective December 31, 2001.

Benefits Excluded From The Valuation

Disability benefits were not valued.

Significant Events

None.

Plan Amendments

Plan Amendment 2 is effective January 1, 2016.

CALCULATION OF WEIGHTED AVERAGE RETIREMENT AGE

Age	Retirement Rates	Probability of Not Retiring Before Age	Weighted Retirement Age
55	0.0500	1.0000	2.7500
56	0.0500	0.9500	2.6600
57	0.1000	0.9025	5.1443
58	0.1000	0.8123	4.7111
59	0.1000	0.7310	4.3130
60	0.1000	0.6579	3.9475
61	0.1500	0.5921	5.4180
62	0.2750	0.5033	8.5815
63	0.2000	0.3649	4.5977
64	0.2000	0.2919	3.7366
65	0.4000	0.2335	6.0719
66	0.3000	0.1401	2.7744
67	0.3000	0.0981	1.9715
68	0.3000	0.0687	1.4007
69	0.4000	0.0481	1.3265
70	1.0000	0.0288	2.0186
Weighted Average Retirement Age			61.4233
Rounded Weighted Average Retirement Age			61

The weighted average retirement age was calculated by multiplying each possible retirement age by the probability of surviving to that age and then retiring. These products were then summed to produce the weighted average retirement age.