

Form 5500

Annual Return/Report of Employee Benefit Plan

OMB Nos. 1210-0110
1210-0089

Department of the Treasury
Internal Revenue Service

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 6047(e), 6057(b), and 6058(a) of the Internal Revenue Code (the Code).

2016

Department of Labor
Employee Benefits Security
Administration

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

Pension Benefit Guaranty Corporation

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2016 or fiscal plan year beginning 1/1/2016 and ending 12/31/2016

- A** This return/report is for: a multiemployer plan; a multiple-employer plan; or
 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 Alaska Electrical Pension Plan	1b Three-digit plan number (PN) ▶	001
	1c Effective date of plan	1/1/1968
2a Plan sponsor's name and address; include room or suite number (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) Joint Board of Trustees Alaska Electrical Pension Plan 701 E Tudor Rd, Suite 200 Anchorage AK 99503	2b Employer Identification Number (EIN)	92-6005171
	2c Plan Sponsor's telephone number	907-276-1246
	2d Business code (see instructions)	238210

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	<i>Gregory R. Stoker</i>	9-25-17	Gregory R. Stoker
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	<i>Zynda / Dave Reaves</i>	10-2-17	Larry Bell / Dave Reaves
	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
Preparer's name (including firm name, if applicable) and address (include room or suite number)			Preparer's telephone number

For Paperwork Reduction Act Notice and OMB Control Numbers, see the instructions for Form 5500.

Form 5500 (2016)

3a Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number																		
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report: a Sponsor's name	4b EIN 4c PN																		
5 Total number of participants at the beginning of the plan year	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">5</td> <td style="text-align: right;">10344</td> </tr> </table>	5	10344																
5	10344																		
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 that terminated employment during the plan year with accrued benefits that were less than 100% vested	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">6a(1)</td> <td style="text-align: right;">4186</td> </tr> <tr> <td>6a(2)</td> <td style="text-align: right;">4006</td> </tr> <tr> <td>6b</td> <td style="text-align: right;">3968</td> </tr> <tr> <td>6c</td> <td style="text-align: right;">1967</td> </tr> <tr> <td>6d</td> <td style="text-align: right;">9941</td> </tr> <tr> <td>6e</td> <td style="text-align: right;">457</td> </tr> <tr> <td>6f</td> <td style="text-align: right;">10398</td> </tr> <tr> <td>6g</td> <td style="text-align: right;">0</td> </tr> <tr> <td>6h</td> <td style="text-align: right;">266</td> </tr> </table>	6a(1)	4186	6a(2)	4006	6b	3968	6c	1967	6d	9941	6e	457	6f	10398	6g	0	6h	266
6a(1)	4186																		
6a(2)	4006																		
6b	3968																		
6c	1967																		
6d	9941																		
6e	457																		
6f	10398																		
6g	0																		
6h	266																		
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">7</td> <td style="text-align: right;">124</td> </tr> </table>	7	124																
7	124																		
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1A 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) <input type="checkbox"/> Insurance (2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts (3) <input checked="" type="checkbox"/> Trust (4) <input type="checkbox"/> General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) <input type="checkbox"/> Insurance (2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts (3) <input checked="" type="checkbox"/> Trust (4) <input type="checkbox"/> General assets of the sponsor																		
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)																			
a Pension Schedules (1) <input checked="" type="checkbox"/> R (Retirement Plan Information) (2) <input checked="" type="checkbox"/> MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) <input type="checkbox"/> SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) <input checked="" type="checkbox"/> H (Financial Information) (2) <input type="checkbox"/> I (Financial Information - Small Plan) (3) <input type="checkbox"/> A (Insurance Information) (4) <input checked="" type="checkbox"/> C (Service Provider Information) (5) <input checked="" type="checkbox"/> D (DFE/Participating Plan Information) (6) <input type="checkbox"/> 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 2016 Form M-1 annual report. If the plan was not required to file the 2016 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 MB
(Form 5500)**

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration
Pension Benefit Guaranty Corporation

**Multiemployer Defined Benefit Plan and Certain
Money Purchase 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

2016

This Form is Open to Public Inspection

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

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 ALASKA ELECTRICAL PENSION PLAN		B Three-digit plan number (PN) 001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF JOINT BOARD OF TRUSTEES ALASKA ELECTRICAL PENSION PLAN		D Employer Identification Number (EIN) 92-6005171

E Type of plan: (1) Multiemployer Defined Benefit (2) Money Purchase (see instructions)

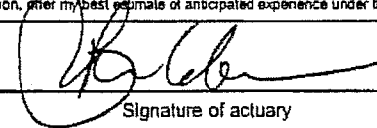
1a Enter the valuation date: Month 1 Day 1 Year 2016

b Assets

(1) Current value of assets	1b(1)	1,769,970,919
(2) Actuarial value of assets for funding standard account	1b(2)	1,955,993,723
c (1) Accrued liability for plan using immediate gain methods	1c(1)	2,093,784,706
(2) Information for plans using spread gain methods:		
(a) Unfunded liability for methods with bases	1c(2)(a)	0
(b) Accrued liability under entry age normal method	1c(2)(b)	0
(c) Normal cost under entry age normal method	1c(2)(c)	0
(3) Accrued liability under unit credit cost method	1c(3)	2,025,928,866
d Information on current liabilities of the plan:		
(1) Amount excluded from current liability attributable to pre-participation service (see instructions)	1d(1)	
(2) "RPA '94" information:		
(a) Current liability	1d(2)(a)	3,282,523,721
(b) Expected increase in current liability due to benefits accruing during the plan year	1d(2)(b)	63,943,969
(c) Expected release from "RPA '94" current liability for the plan year	1d(2)(c)	136,145,810
(3) Expected plan disbursements for the plan year	1d(3)	136,145,810

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, enter my best estimate of anticipated experience under the plan.

SIGN HERE  Signature of actuary	9/14/2017 Date 17-04449 Most recent enrollment number (206) 445-1850 Telephone number (including area code)
Bruce Cable Type or print name of actuary	
Rael & Letson Firm name	
999 THIRD AVENUE, SUITE 1530 SEATTLE WA 98104 Address of the firm	

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

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

Schedule MB (Form 5500) 2016 v. 160205

2 Operational information as of beginning of this plan year:

a Current value of assets (see instructions)	2a	1769970919
b "RPA '94" current liability/participant count breakdown:	(1) Number of participants	(2) Current liability
(1) For retired participants and beneficiaries receiving payment	4489	1826377145
(2) For terminated vested participants	1887	400978409
(3) For active participants:		
(a) Non-vested benefits		22736874
(b) Vested benefits		1032431293
(c) Total active	4186	1055168167
(4) Total	10562	3282523721
c If the percentage resulting from dividing line 2a by line 2b(4), column (2), is less than 70%, enter such percentage	2c	53.92 %

3 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		
2/15/2016	3908088	0	3/15/2016	3814752	0		
4/15/2016	4032556	0	5/15/2016	4649496	0		
6/15/2016	4308347	0	7/15/2016	4933912	0		
8/15/2016	5175491	0	9/15/2016	4659355	0		
10/15/2016	5360988	0	11/15/2016	4252976	0		
12/15/2016	3938417	0	1/1/2017	4173658	0		
			Totals ▶	3(b)	53208036	3(c)	0

4 Information on plan status:

a Funded percentage for monitoring plan's status (line 1b(2) divided by line 1c(3))	4a	96.5 %
b Enter code to indicate plan's status (see instructions for attachment of supporting evidence of plan's status). If code is "N," go to line 5	4b	N
c Is the plan making the scheduled progress under any applicable funding improvement or rehabilitation plan?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
d If the plan is in critical status or critical and declining status, were any benefits reduced (see instructions)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
e If line d is "Yes," enter the reduction in liability resulting from the reduction in benefits (see instructions), measured as of the valuation date	4e	0
f If the rehabilitation plan projects emergence from critical status or critical and declining status, enter the plan year in which it is projected to emerge. If the rehabilitation plan is based on forestalling possible insolvency, enter the plan year in which insolvency is expected and check here	4f	<input checked="" type="checkbox"/>

5 Actuarial cost method used as the basis for this plan year's funding standard account computations (check all that apply):

a <input type="checkbox"/> Attained age normal	b <input checked="" type="checkbox"/> Entry age normal	c <input type="checkbox"/> Accrued benefit (unit credit)	d <input type="checkbox"/> Aggregate
e <input type="checkbox"/> Frozen initial liability	f <input type="checkbox"/> Individual level premium	g <input type="checkbox"/> Individual aggregate	h <input type="checkbox"/> Shortfall
i <input type="checkbox"/> Other (specify):			
j If box h is checked, enter period of use of shortfall method	5j	0	
k Has a change been made in funding method for this plan year?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
l If line k is "Yes," was the change made pursuant to Revenue Procedure 2000-40 or other automatic approval?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
m If line k is "Yes," and line l is "No," enter the date (MM-DD-YYYY) of the ruling letter (individual or class) approving the change in funding method	5m		

6 Checklist of certain actuarial assumptions:

a Interest rate for "RPA '94" current liability.....			6a	3.28 %		
b Rates specified in insurance or annuity contracts.....	Pre-retirement			Post-retirement		
	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
c Mortality table code for valuation purposes:						
(1) Males	6c(1)	A		A		
(2) Females	6c(2)	A		A		
d Valuation liability interest rate	6d	7.50 %		7.50 %		
e Expense loading	6e	15.7 %	<input type="checkbox"/> N/A	%	<input checked="" type="checkbox"/> N/A	
f Salary-scale.....	6f	%	<input checked="" type="checkbox"/> N/A			
g Estimated investment return on actuarial value of assets for year ending on the valuation date			6g	3.6 %		
h Estimated investment return on current value of assets for year ending on the valuation date			6h	-0.9 %		

7 New amortization bases established in the current plan year:

(1) Type of base	(2) Initial balance	(3) Amortization Charge/Credit
1	73565562	7752595
4	13436622	1415998

8 Miscellaneous information:

a If a waiver of a funding deficiency has been approved for this plan year, enter the date (MM-DD-YYYY) of the ruling letter granting the approval.....	8a	
b(1) Is the plan required to provide a projection of expected benefit payments? (See the instructions.) If "Yes," attach a schedule.....		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
b(2) Is the plan required to provide a Schedule of Active Participant Data? (See the instructions.) If "Yes," attach a schedule.....		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
c Are any of the plan's amortization bases operating under an extension of time under section 412(e) (as in effect prior to 2008) or section 431(d) of the Code?.....		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
d If line c is "Yes," provide the following additional information:		
(1) Was an extension granted automatic approval under section 431(d)(1) of the Code?.....		<input type="checkbox"/> Yes <input type="checkbox"/> No
(2) If line 8d(1) is "Yes," enter the number of years by which the amortization period was extended	8d(2)	0
(3) Was an extension approved by the Internal Revenue Service under section 412(e) (as in effect prior to 2008) or 431(d)(2) of the Code?.....		<input type="checkbox"/> Yes <input type="checkbox"/> No
(4) If line 8d(3) is "Yes," enter number of years by which the amortization period was extended (not including the number of years in line (2)).....	8d(4)	
(5) If line 8d(3) is "Yes," enter the date of the ruling letter approving the extension	8d(5)	
(6) If line 8d(3) is "Yes," is the amortization base eligible for amortization using interest rates applicable under section 6621(b) of the Code for years beginning after 2007?		<input type="checkbox"/> Yes <input type="checkbox"/> No
e If box 5h is checked or line 8c is "Yes," enter the difference between the minimum required contribution for the year and the minimum that would have been required without using the shortfall method or extending the amortization base(s).....	8e	0

9 Funding standard account statement for this plan year:

Charges to funding standard account:

a Prior year funding deficiency, if any	9a	0	
b Employer's normal cost for plan year as of valuation date.....	9b	21315399	
c Amortization charges as of valuation date:	Outstanding balance		
(1) All bases except funding waivers and certain bases for which the amortization period has been extended	9c(1)	1057573589	118965587
(2) Funding waivers	9c(2)	0	0
(3) Certain bases for which the amortization period has been extended	9c(3)	0	0
d Interest as applicable on lines 9a, 9b, and 9c.....	9d	10521074	
e Total charges. Add lines 9a through 9d.....	9e	150802060	

Credits to funding standard account:		
f Prior year credit balance, if any.....	9f	335162438
g Employer contributions. Total from column (b) of line 3.....	9g	53208036
	Outstanding balance	
h Amortization credits as of valuation date.....	9h	584620168
i Interest as applicable to end of plan year on lines 9f, 9g, and 9h.....	9i	32485304
j Full funding limitation (FFL) and credits:		
(1) ERISA FFL (accrued liability FFL).....	9j(1)	731313496
(2) "RPA '94" override (90% current liability FFL).....	9j(2)	1027738432
(3) FFL credit.....	9j(3)	0
k (1) Waived funding deficiency.....	9k(1)	0
(2) Other credits.....	9k(2)	0
l Total credits. Add lines 9f through 9i, 9j(3), 9k(1), and 9k(2).....	9l	496921335
m Credit balance: If line 9l is greater than line 9e, enter the difference.....	9m	346119275
n Funding deficiency: If line 9e is greater than line 9l, enter the difference.....	9n	
9o Current year's accumulated reconciliation account:		
(1) Due to waived funding deficiency accumulated prior to the 2016 plan year.....	9o(1)	0
(2) Due to amortization bases extended and amortized using the interest rate under section 6621(b) of the Code:		
(a) Reconciliation outstanding balance as of valuation date.....	9o(2)(a)	0
(b) Reconciliation amount (line 9c(3) balance minus line 9o(2)(a)).....	9o(2)(b)	0
(3) Total as of valuation date.....	9o(3)	0
10 Contribution necessary to avoid an accumulated funding deficiency. (See instructions.).....	10	0
11 Has a change been made in the actuarial assumptions for the current plan year? If "Yes," see instructions.....		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No