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An Exelon Company

February 26, 2021

VIA ELECTRONIC MAIL
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board.secretary@bpu.nj.gov

Aida Camacho-Welch
Secretary of the Board
Board of Public Utilities
44 South Clinton Avenue, 9th Floor
P.O. Box 350
Trenton, New Jersey 08625-0350

RE: Semi-Annual Report Associated With PowerAhead Program Arising Out of Order Approving Stipulation in Connection With Phase II of Atlantic City Electric Company's 2016 Base Rate Case
BPU Docket No. ER16030252

Dear Secretary Camacho-Welch:

By way of follow up to Paragraph 12 of the Order Approving Settlement (dated May 31, 2017) and Paragraph 12 of the Stipulation of Settlement in connection with the above referenced matter, enclosed for filing is the "2020 Semi-Annual Status Report of the PowerAhead Program" (the "Report"), dated February 26, 2021. The Report covers the period through December 31, 2020.

Consistent with the Order issued by the New Jersey Board of Public Utilities (the "Board" or "BPU") in connection with *In the Matter of the New Jersey Board of Public Utilities' Response to the COVID-19 Pandemic for a Temporary Waiver of Requirements for Certain Non-Essential Obligations*, BPU Docket No. EO20030254, Order dated March 19, 2020, this document is being electronically filed with the Secretary of the Board and the New Jersey Division of Rate Counsel. No paper copies will follow.

Thank you for your cooperation and courtesies. Feel free to contact the undersigned with any questions.

Respectfully submitted,

Philip J. Passanante
An Attorney at Law of the
State of New Jersey

Enclosure

cc: Paul Flanagan, Esquire, BPU
Abraham Silverman, Esquire, BPU
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2020 SEMI-ANNUAL STATUS REPORT OF THE POWERAHEAD PROGRAM

(Through December 31, 2020)

Filed by

ATLANTIC CITY ELECTRIC COMPANY

Pursuant to

the Stipulation of Settlement Executed in Connection With

BPU Docket No. ER16030252

Date of Report: February 26, 2021

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2020 PowerAhead Semi-Annual Status Report Introduction

In accordance with the Stipulation of Settlement (the "Stipulation") executed and adopted in connection with BPU Docket No. ER16030252, Atlantic City Electric Company ("ACE" or the "Company") submits its Semi-Annual Status Report for the 2020 PowerAhead Program ("PA"). The Stipulation authorized ACE to undertake distribution system improvements through 2022, including Structural and Electrical ("S&E") Hardening, Selective Undergrounding, Barrier Island ("BI") Feeder Ties, Distribution Automation ("DA"), Electronic Fusing, and the New Substation at Harbor Beach. The Stipulation, as approved by the New Jersey Board of Public Utilities (the "Board" or "BPU"), directed that the Company provide: (1) total quantity of work completed or major tasks completed, for each of the six sub-programs; (2) forecasted and actual PA costs for the reporting period and program-to-date; (3) estimated PA project completion date within each sub-program; (4) performance metrics reports; and (5) any anticipated changes to PA projects.

PA Program Budget Forecast and 2020 PA Spend

Table 1 indicates the budget forecast for PA for the entire program timeline from 2017 through 2022 as presented in the Stipulation. The budget forecast for 2017 – 2022 was based on the Company's 2016 five-year plan.

Table 1

PA Categories ($ in thousands)	Budget Forecast Based on Stipulation of Settlement				
	Original Forecast	Revised Forecast	Jan. – Dec. 2020 Budget	Jan. – Dec. 2020 Actual	Cumulative Program Spend-to-Date
	Capital Budget				
Structural and Electrical Hardening	$24,000.0	$23,068.0	$8,021.3	$7,427.5	$18,706.8
Selective Undergrounding	$11,000.0	$11,000.0	$5,491.5	$5,278.1	$6,550.8
Barrier Island Feeder Ties	$13,000.0	$13,000.0	$1,621.5	$1,564.5	$10,127.0
Distribution Automation	$15,000.0	$15,932.0	$5,783.0	$5,814.8	$16,167.5
Electronic Fusing	$2,000.0	$2,000.0	$7.4	$4.8	$2,064.8
New Substation Harbor Beach	14,000.0	14,000.0	$884.5	$525.8	$2,441.7
Total	$79,000.0	$79,000.0	$21,801.8	$20,615.5	$56,058.6

For 2020, ACE spent $20.6 million with respect to capital spending. The Company anticipates meeting completion dates for all projects in all sub-programs and for spending to increase as sub-program projects move beyond their initial phases.

2020 PA Work Category Status

The 2020 PA work category spend includes the current status of work completed and actuals through the end of 2020.

Structural and Electrical Hardening

Portions of the following 10 feeders out of the 12 identified have been improved and placed in-service through December 31, 2020: Minotola NJ0813, three projects; Atco NJ0922, six projects; Washington NJ2097, two projects; Lamb NJ1215, three projects; Winslow NJ0242, two projects; Pleasantville NJ0424, one project; Fairton NJ0671, six projects; Lake NJ0972, four projects; Scull NJ01632, three projects; and Rio Grande NJ0487, three projects. The project work in the sub-program is on target to be completed by 2022.

Total Cost ($ in thousands)

Revised Forecast	Jan. – Dec. 2020 Budget	Jan. – Dec. 2020 Actual Spend	Jan. – Dec. 2020 Materials Spend	Jan. – Dec. 2020 Other Spend	Cumulative Program Spend
$23,068.0	$8,021.3	$7,427.5	$874.7	$6,552.8	$18,706.8

Variance Explanation:

ACE has experienced delays in construction for this sub-program. These construction delays were a result of a Covid-19 driven *force majeure* by the contractor.

Selective Undergrounding

Portions of the following four feeders out of the four identified have been improved and placed in-service through December 31, 2020: Bridgeton NJ0232, 1 project; Washington Cross Keys NJ2097, two projects; Second Street NJ0213, one project; and Egg Harbor NJ0146, two projects. The project work in the sub-program is on target to be completed by 2022.

Total Cost ($ in thousands)

Revised Forecast	Jan. – Dec. 2020 Budget	Jan. – Dec. 2020 Actual Spend	Jan. – Dec. 2020 Materials Spend	Jan. – Dec. 2020 Other Spend	Cumulative Program Spend
$11,000.0	$5,491.5	$5,278.1	$423.9	$4,854.2	$6,550.8

Barrier Island Feeder Ties

All three specific scopes associated with Court & Lake Avenue Substation Barrier Tie have been completed and placed in service as of December 31, 2019. For the Pleasantville & Marven Substation tie, five of the six project segments have been completed and placed in-service. ACE submitted cancellation notice of the Ocean City & Marven Barrier tie project to Rate Counsel and Board Staff on October 9, 2020.

Total Cost ($ in thousands)

Revised Forecast	Jan. – Dec. 2020 Budget	Jan. – Dec. 2020 Actual Spend	Jan. – Dec. 2020 Materials Spend	Jan. – Dec. 2020 Other Spend	Cumulative Program Spend
$13,000.0	$1,621.5	$1,564.5	$365.6	$1,198.9	$10,127.0

Distribution Automation

The Distribution Automation Sub-Program has three major sub-program components: DA Reconductoring, DA Recloser/Communication, and DA Substation Upgrades.

As of December 31, 2020, the following seven reconductoring scopes have been completed and placed in-service: Pitman, Upper Pittsgrove (two projects), Northfield 1, Northfield 2, Linwood 2, and Elk Township. This work includes approximately 98,200 linear feet of conductor, 206 poles, 181 fuse banks, and 96 switch banks.

The recloser and communications portion of the sub-program has completed 73 new recloser installations and 93 communications enablement placed in-service through December 31, 2020.

For DA Substation Upgrades, the Churchtown Substation upgrade was completed in the first half of 2020. The Beckett Substation was completed at the end of 2020. The Winslow Substation upgrade started construction in the fall of 2020 and will be completed in the first half of 2021.

The project work in the sub-program is on target to be completed by 2022.

Total Cost ($ in thousands)

Revised Forecast	Jan. – Dec. 2020 Budget	Jan. – Dec. 2020 Actual Spend	Jan. – Dec. 2020 Materials Spend	Jan. – Dec. 2020 Other Spend	Cumulative Program Spend
$15,932.0	$5,783.0	$5,814.8	$2,803.1	$3,011.7	$16,167.5

Electronic Fusing

ACE has met the original target of 200 Trip Savers across 56 feeders as part of the Electronic Fusing Sub-Program and has completed the work for this sub-program.

Total Cost ($ in thousands)

Revised Forecast	Jan. – Dec. 2020 Budget	Jan. – Dec. 2020 Actual Spend	Jan. – Dec. 2020 Materials Spend	Jan. – Dec. 2020 Other Spend	Cumulative Program Spend
$2,000.0	$7.4	$4.8	$0.0	$4.8	$2,064.8

New Substation: Harbor Beach

ACE is currently reviewing bids for the Harbor Beach projects. The project work in the sub-program is on target to be completed by 2022.

Total Cost ($ in thousands)

Revised Forecast	Jan. – Dec. 2020 Budget	Jan. – Dec. 2020 Actual Spend	Jan. – Dec. 2020 Materials Spend	Jan. – Dec. 2020 Other Spend	Cumulative Program Spend
$14,000.0	$884.5	$525.8	$372.9	$152.9	$2,441.7

Variance Explanation:

Spending has increased after the sub-program had been underspent in 2020 and will continue to increase during the remaining sub-program timeframe.

Performance Metrics by Feeder[1]

As part of the Order adopting the Stipulation, during major events ACE will report reliability indices for feeders being improved under PA, specifically, customer minutes interrupted ("CMI") and customer average interruption duration index ("CAIDI"). In 2020, ACE had five major events. The following table reflects the reliability indices for the cumulative performance for the duration of this program.[2]

Five-Year Average Storm Performance			2020 Storm Performance		Cumulative Storm Performance	
Feeder	CMI	CAIDI	CMI	CAIDI	CMI	CAIDI
NJ0146	1,502,526	922	3,077,286	954	4,823,835	672
NJ0151	353,305	195	3,514,885	790	3,557,541	773
NJ0152	414,375	86	4,975,934	706	5,126,920	561
NJ0153	139,742	80	633,720	1,343	977,273	1,015
NJ0154	446,469	283	2,952,666	737	3,063,290	718
NJ0213	68,669	160	1,373,671	703	6,439,266	674
NJ0232	221,657	210	686,790	1,374	1,826,605	390
NJ0241	701,198	441	877,419	530	1,984,170	434
NJ0242	1,449,203	852	1,621,079	509	4,334,319	480
NJ0243	1,792,557	394	2,005,519	347	2,545,573	410
NJ0244	1,093,004	371	601,177	885	2,934,089	487
NJ0383	299,334	524	5,805,323	1,197	5,805,724	1,196
NJ0423	122,820	335	2,185,135	1,816	2,236,592	1,685
NJ0424	42,663	317	1,890,736	1,564	2,010,762	1,477
NJ0426	3,090	474	81,717	147	84,347	151
NJ0488	130,245	188	1,604,910	762	1,616,121	725
NJ0551	136,575	479	2,350,604	1,528	2,415,324	1,501
NJ0671	45,977	440	3,462,885	900	4,790,353	1,060
NJ0745	2,038,498	474	1,187,183	444	2,777,219	552
NJ0747	1,093,913	499	298,828	388	2,817,925	438
NJ0813	997,211	318	3,096,191	1,487	7,989,060	1,112
NJ0922	2,402,535	698	553,374	1,175	3,154,597	703

[1] CMI and CAIDI performance for each feeder is measured against its CMI and CAIDI performance during major events for the years 2013 through 2017, i.e., the Five-Year Average Storm Performance. Cumulative Storm Performance relates to each feeder's CMI and CAIDI during major events since the commencement of the PowerAhead Program in July 2017.

[2] These tables include the CMI and CAIDI for Tropical Storm Isaias, which occurred August 4-10, 2020.

Five-Year Average Storm Performance			2020 Storm Performance		Cumulative Storm Performance	
Feeder	CMI	CAIDI	CMI	CAIDI	CMI	CAIDI
NJ0972	207,102	440	2,640,434	966	2,648,785	945
NJ0974	1,192,001	396	91,895	1,436	108,982	1,048
NJ0982	1,650	156	451,450	2,839	522,726	1,574
NJ0983	57,527	335	1,504,585	856	1,616,123	463
NJ0985	45,816	319	2,066,575	747	2,082,260	748
NJ1192	215,642	593	2,508,301	752	3,168,380	798
NJ1215	3,745,367	790	190,520	448	340,423	567
NJ1324	1,834	57	862	862	862	862
NJ1325	5,779	187	1,364,508	602	1,924,527	647
NJ1326	254,706	177	1,343,372	767	1,448,977	770
NJ1327	17,897	385	495,428	438	512,416	443
NJ1328	138,953	285	2,718,941	715	2,737,893	714
NJ1329	236,877	354	954,263	647	1,205,425	704
NJ1357	181,658	385	1,386,876	770	1,395,043	772
NJ1634	27,257	259	6,511,802	1,108	6,804,509	946
NJ2061	710,091	448	335,517	856	4,197,703	911
NJ2062	920,729	326	207,020	1,643	358,301	1,457
NJ2097	4,380,570	973	4,851	693	109,030	886
NJ2352	220,375	1,066	409,555	1,110	1,496,230	1,298
NJ2391	75,278	214	3,588,502	935	3,769,137	944
NJ2392	25,139	348	2,473,421	486	2,524,362	491
NJ2393	95,254	400	2,233,380	623	2,361,371	604