

February 12, 2021

VIA ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket 4995 – FY2021 Electric Infrastructure, Safety, and Reliability Plan
Quarterly Update – Third Quarter Ending December 31, 2020**

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed an electronic version of the Company's fiscal year (FY) 2021 Electric Infrastructure, Safety, and Reliability (ISR) Plan quarterly update for the third quarter ending December 31, 2020.² Pursuant to the provisions of the approved FY 2018 Electric ISR Plan, the Company committed to providing quarterly updates on the progress of its Electric ISR program to the Rhode Island Public Utilities Commission and the Rhode Island Division of Public Utilities and Carriers.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4995 Service List
Tiffany Parenteau, Esq.
John Bell, Division
Greg Booth, Division

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

² Per Commission counsel's update on October 2, 2020, concerning the COVID-19 emergency period, the Company is submitting an electronic version of this filing followed by five (5) hard copies filed with the Clerk within 24 hours of the electronic filing.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

Joanne M. Scanlon

February 12, 2021
Date

**Docket No. 4995 - National Grid's Electric ISR Plan FY 2021
Service List as of 1/29/2020**

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**Electric Infrastructure, Safety, and Reliability Plan
FY 2021 Quarterly Update
Third Quarter Ending December 31, 2020**

EXECUTIVE SUMMARY

As shown in Attachment A during the nine months ending December 31, 2020, the Company¹ spent \$69.3 million for capital investment projects against a Fiscal Year 2021 (FY 2021) budget of \$75.6 million. Spending was under-budget by \$6.3 million. FY 2021 Non-Discretionary spending was \$0.7 million under the budget of \$29.1 million. FY 2021 Discretionary spending, including the Southeast Substation project, was \$5.6 million under the budget of \$46.5 million. Spending in each of these categories is addressed in more detail below. The Company forecasts spending of \$99.6 million for capital investment projects in FY 2021, \$4.2 million under the budget of \$103.8 million.

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

I. FY 2021 Capital Spending by Key Driver Category

1. Non-Discretionary Spending

a. Customer Request/Public Requirement

During the nine months ending December 31, 2020, capital spending in the Customer Request/Public Requirement category was \$13.0 million, which was under budget by \$6.9 million. The major drivers of the underspending are

- Actuals billings associated with a joint-owned pole agreement exceeded budgeted billings resulting in additional credits applied to the New Business-Residential category. The year to date billing of approximately \$4.0 million included \$1.7 million for prior year joint-owned pole installations as the Company finalized processes with Verizon.
- New Business Commercial and Public Requirements projects spending was \$2.3 million underbudget through the third quarter, primarily driven by RI Department of Transportation billings of \$3.9 million.
- The projects associated with Meter Purchases and Installations are under budget by \$1.1 million as of December 31. Spending for the fiscal year is anticipated to be underbudget by a similar amount due to decreased field activity for meter changes and installations due to COVID pandemic work rules.
- No spending has taken place for Strategic DER Enabling Devices through December. The Company anticipates minimal spending through the end of the fiscal year, primarily for engineering of feeder monitors at Chopmist and Hopkins Hill substations.

At this time, the Company forecasts FY 2021 spending in the Customer Request/Public Requirements category will be \$6.0 million under budget.

b. Damage/Failure

During the nine months ending December 31, 2020, capital spending in the Damage/Failure category was \$15.4 million, which was \$6.3 million over the budget of \$9.1 million. This variance is primarily driven by spending on major storms totaling \$6.3 million, which is \$5.0 million over the budget of \$1.3 million. In addition, spending on Damage/Failure is overbudget by \$1.2 million. The Company began adopting the new practice of categorizing failed only work in this category and all other work in the Asset Replacement category in the Discretionary portfolio. The transition to the new process is underway and is being reviewed monthly.

The Company forecasts that the Damage/Failure category will continue to be overspent through the end of the fiscal year, primarily due to spending on storms.

2. Discretionary Spending

a. Asset Condition (without Southeast Substation)

During the nine months ending December 31, 2020 capital spending in the Asset Condition category (excluding the Southeast Substation project) was \$20.7 million, which was \$2.2 million under the budget of \$22.9 million. The major drivers of this variance are as follows:

- Capital spending on Dyer Street substation was \$5.1 million under the fiscal year-to-date budget of \$5.5 million. This project was “paused” in FY 2020 due to cost estimates coming in higher than expected. The Company performed a revised option analysis, which resulted in an updated project at reduced costs and created spending shifts from the first half of FY 2021 to the last half of FY 2021 and into FY 2022. The Company forecasts capital spending of \$2.9 million against a FY 2021 budget of \$7.2 million.
- Capital spending on the Providence Area Study projects (Admiral Street projects) was \$2.0 million under the fiscal year-to-date budget of \$3.2 million primarily due to project delays, which are expected to continue through the end of FY 2021.
- Capital spending on URD projects are \$5.4 million or \$2 million over budget as of December 31 and are forecasted to end the year at \$0.8 million over budget. Underground Cable Replacement program spending is \$4.2 million or \$1.9 million over budget at December 31, but the Company forecasts capital spending to close the year at \$4.2 million against a budget of \$3.8 million.
- The Apponaug Substation retirement, included in the Central Rhode Island East Area Study, was completed and will be put in service during FY 2021. Capital spending was \$1.2 million and is more than the FY 2021 because the budget did not reflect completing the project during the fiscal year.
- Two additional projects were completed during FY 2021. Capital spending on Kent County Breaker Replacement project was \$0.5 million and capital spending on the Distribution Secondary Network Arc project was \$0.7 million. Both projects were expected to be completed in previous years and lagged into FY 2021 after the FY 2021 budget was set. These projects have been moved to plant in service.

At this time, the Company forecasts that spending in this category will be \$2.1 million under budget at the end of the year primarily due to the delays in the Dyer Street and the Admiral Street projects offset by the projects discussed above.

b. Non-Infrastructure

During the nine months ending December 31, 2020 capital spending for the Non-Infrastructure category was \$1.5 million, which was \$1.0 million over the budget of \$0.4 million. This variance is attributed to the application of capital overheads. At this time, the Company forecasts that spending in this category will be slightly over the FY 2021 budget of \$0.6 million.

c. System Capacity and Performance

During the nine months ending December 31, 2020 capital spending for the System Capacity and Performance category was \$11.0 million, which was \$4.5 million under the budget of \$15.5 million. The Aquidneck Island projects are driving the fiscal year-to-date variance with actual spending of \$5.8 million against a budget of \$9.8 million. Underspending was a result of work restrictions related to COVID-19, which caused shifts in some construction costs to the second half of the year and into FY 2022. In addition, some contingency reserves related to the Aquidneck Island projects have been reduced as final costs become known.

At this time, the Company forecasts that System Capacity and Performance capital spending will be \$4.8 million under budget at the end of the year due to the following projects:

- Aquidneck Island capital spending is forecasted to be \$9.5 million, \$4.0 million under the budget of \$13.5 million. Reduction in spending relate to COVID-19 work requirements shifting some construction costs into FY 2022 as well as the removal of contingencies once it was determined that an outage could move forward in before the end of the year.
- New Lafayette substation project spending is forecasted to be \$1.3 million over the budget of \$0.4 million as a result of advancing civil work to enable efficiencies by coordinating with a Distributed Generation project taking place on the same site.
- East Providence substation project spending is forecasted to be \$1.3 million under the budget of \$1.6 million due to project delays.
- The Company forecasts that capital spending on Strategic DER Advancement projects will be \$0.7 million under budget primarily due to forecasted costs associated with Mobile 3V0 units coming in less than originally estimated.

d. Southeast Substation Projects

During the nine months ending December 31, 2020, capital spending on the Southeast Substation project was \$7.7 million, which is essentially on the budget of \$7.6 million. It

is anticipated that the FY 2021 spending will be \$2.6 million over the budget of \$10.1 due to a combination of project delays from FY2020 and increased costs. Work on the substation portion of this project is substantially complete and is expected to go into service in March 2021. The remaining substation work planned for FY 2022 is site civil work. The distribution line portion of this project work is expected to complete in FY 2022. In total, the Company currently expects capital spending to be \$21.6 million for this project as compared with the total estimate when sanctioned of \$21.1 million. The difference of approximately \$0.6 million or approximately 3% is due to a variety of small changes primarily from environmental soil management due to field conditions that required management of an additional volume of soil and additional resources such as crane and other equipment rental to manage construction site congestion. See [Attachment G](#) for additional details.

*e. **Large Project Variances***

The Company provides explanations for large projects² with variances that exceed +/- 10% of the annual fiscal year budget in quarterly reports. These projects represented \$38.0 million of the total FY 2021 budget of \$103.8 million. This project information is provided in [Attachment E](#).

*f. **New Distribution System Technology Update***

The FY 2021 Quarterly Update includes an explanation of all new technologies the Company is exploring to assist in distribution system planning, particularly as they relate to the integration of distributed energy resources or to providing additional visibility on the distribution grid. Most recently, the Company has increased its use of Python Scripting to improve automation in CYME as well as other computer programs. For example, the recent COVID scenario analysis utilized Python scrips to run the initial CYME analysis.

3. Investment Placed-in-Service

During the nine months ending December 31, 2020, \$84.5 million of plant additions were placed in service which is 76% of the FY 2021 target of \$110.5 million. The Company forecasts plant additions of \$113.0 for the fiscal year. Details by spending rationale are included in [Attachment B](#).

² Large projects are defined as exceeding \$1.0 million in total project cost.

As shown on Attachment B, Non-Discretionary plant additions placed in service during the nine months ending December 31, 2021 totaled \$31.8 million, which is 88% of the FY 2021 forecast of \$36.2 million. Discretionary plant additions placed in service during the same period totaled \$52.7 million, which is 69% of the FY 2021 forecast of \$76.9 million.

4. Vegetation Management (VM)

During the nine months ending December 31, 2020, the Company completed 855 miles or 70% of its annual distribution mileage cycle pruning goal of 1,215 miles. VM O&M spending was \$6.35 million. The Company expects to complete 100% of the FY 2021 work plan within its budget of \$10.6 million.

Attachment C provides the spending through the third quarter of FY 2021 and an update of the gypsy moth and other pest-related damage tracked.

5. Inspection and Maintenance (I&M)

During the nine months ending December 31, 2020, the Company completed 87% of its annual structure inspection goal of 48,631 with an associated spend of \$0.3 million. This spending includes mobile elevated voltage testing and repairs, which the PUC approved in Docket No. 4237.

The Company began performing inspections on its overhead distribution system in FY 2011 and began performing the repairs based on those inspections in FY 2012. Deficiencies found are categorized as Level I, II, or III. Level I deficiencies are repaired immediately or within 30 days of the inspection. As of December 31, 2020, no Level I deficiencies were found. As of the same date, the Company has completed repairs for 34 percent of the total deficiencies found. This information is summarized in the table below.

Summary of Deficiencies and Repair Activities RI Distribution				
Year Inspection Performed	Priority Level/Repair Expected	Deficiencies Found (Total)	Repaired as of 12/31/20	Not Repaired as of 12/31/20
FY 2011	I	18	18	0
	II	13,146	13,128	18
	III	28	28	0
FY 2012	I	17	17	0
	II	15,847	15,506	341
	III	626	624	2
FY 2013	I	15	15	0
	II	25,883	16,492	9,391
	III	8,780	4,634	4,146
FY 2014	I	11	11	0
	II	22,096	4,367	17,729
	III	8,414	3,019	5,395
FY 2015	I	5	5	0
	II	20,805	1	20,804
	III	4,351	0	4,351
FY 2016	I	2	2	0
	II	11,018	743	10,275
	III	6,441	149	6,292
FY 2017	I	2	2	0
	II	8,567	0	8,567
	III	7,272	0	7,272
FY 2018	I	11	11	0
	II	8,567	11	8,556
	III	7,196	14	7,182
FY 2019	I	28	28	0
	II	3,699	0	3,699
	III	2,464	0	2,464
FY 2020	I	19	19	0
	II	159	1	158
	III	26	0	26
FY 2021	I	0	0	0
	II	24	0	24
	III	34	0	34
Total Since Program Inception	I, II, III	175,571	58,845	116,726

Through the third quarter of FY 2021, the Company’s manual elevated voltage testing has not indicated any instances of elevated voltage.

Manual Elevated Voltage Testing				
Manual Elevated Voltage Testing	Total System Units Requiring Testing	FY 2021 Units Completed thru 12/31/20	Units with Voltage Found (>1.0v)	Percent of Units Tested with Voltage (>1.0v)
Distribution Facilities	268,651	41,571	0	0%
Underground Facilities	12,438	0	0	0%
Street Lights	4,929	1,135	0	0%

FY 2021 I&M program costs and other O&M spending are shown in Attachment D.

Attachment A

US Electricity Distribution - Rhode Island Capital Spending by Spending Rationale FY 2021 through December 31, 2020 (\$000)

	FYTD			FY 2021		
	Budget	Actual	Variance Over Spend / (Under Spend)	Budget	Forecast	Variance Over Spend / (Under Spend)
Customer Request/Public Requirement	\$19,920	\$12,973	(\$6,947)	\$26,540	\$20,492	(\$6,048)
Damage Failure	\$9,144	\$15,418	\$6,274	\$12,365	\$18,365	\$6,000
<i>Subtotal Non-Discretionary</i>	\$29,064	\$28,391	(\$673)	\$38,905	\$38,857	(\$48)
Asset Condition	\$22,936	\$20,755	(\$2,181)	\$31,040	\$28,908	(\$2,132)
Non-Infrastructure	\$432	\$1,482	\$1,050	\$580	\$761	\$181
System Capacity & Performance	\$15,530	\$10,971	(\$4,559)	\$23,145	\$18,380	(\$4,765)
<i>Subtotal Discretionary (excl. SE Sub)</i>	\$38,898	\$33,207	(\$5,691)	\$54,765	\$48,049	(\$6,716)
Southeast Substation Project	\$7,602	\$7,682	\$80	\$10,080	\$12,694	\$2,614
<i>Subtotal Discretionary</i>	\$46,500	\$40,889	(\$5,611)	\$64,845	\$60,743	(\$4,102)
Total Capital Spending	\$75,564	\$69,280	(\$6,284)	\$103,750	\$99,600	(\$4,150)

Attachment B

US Electricity Distribution - Rhode Island Plant Additions by Spending Rationale FY 2021 through December 31, 2020 (\$000)

	FY Target	FYTD Actual	FY Forecast	% of Target In Service	% of Forecast In Service
Customer Request/Public Requirement	\$21,210	\$15,579	\$15,917	73%	98%
Damage Failure	\$12,335	\$16,256	\$20,250	132%	80%
<i>Subtotal Non-Discretionary</i>	\$33,545	\$31,835	\$36,167	95%	88%
Asset Condition (w/Southeast Substation)	\$38,948	\$26,147	\$45,543	67%	57%
Non- Infrastructure	\$566	\$10	\$300	2%	3%
System Capacity & Performance	\$37,435	\$26,520	\$30,987	71%	86%
<i>Subtotal Discretionary</i>	\$76,949	\$52,676	\$76,830	68%	69%
Total Plant Additions	\$110,494	\$84,511	\$112,997	76%	75%

Attachment C

US Electricity Distribution - Rhode Island Vegetation Management O&M Spending FY 2021 through December 31, 2020 (\$000)

	Budget	Actual	FY 2021 Year-End Forecast	% Spend
Cycle Pruning (Base)	\$6,100	\$3,406	\$6,100	56%
Hazard Tree	\$1,750	\$808	\$1,750	46%
Sub-T (on & off road)	\$550	\$403	\$550	73%
Police/Flagman Details	\$775	\$545	\$775	70%
Core Crew (all other activities)	\$1,425	\$1,192	\$1,425	84%
Total VM O&M Spending	\$10,600	\$6,354	\$10,600	60%

Gypsy Moth Update

District	Circuit	Location	Removals
Coastal	49_56_54F1	Coventry	65
Coastal	49_56_63F6	Hopkins Hill	42
Capital	49_53_15F1	Hope	9
Coastal	49_56_68F1	Kenyon	51
Capital	49_53_127W40	Nasonville	92
Capital	49_53_23F3	Farnum Pike	41
Capital	49_53_23F5	Farnum Pike	30
Capital	49_53_23F6	Farnum Pike	50
Capital	49_53_34F2	Chopmist	33
Capital	49_53_38F1	Putnam Pike	211
Capital	49_53_26W5	Woonsocket	9
Capital	49_53_26W3	Woonsocket	34
Totals			667

FY 2021 Q3 Gypsy Moth Update	
FY 2021 Total Gypsy Moth Spend	\$668,094
Gypsy Moth Removals	667
Cost/Tree	\$1,002

Attachment D

**US Electricity Distribution - Rhode Island
Inspection and Maintenance Program and Other O&M Spending
FY 2021 through December 31, 2020
(\$000)**

	Budget	Actual	FY Forecast	% Spend
Opex Related to Capex	\$435	\$196	\$276	45%
Inspections & Repair Related Costs	\$600	\$336	\$550	56%
System Planning & Protection Coordination Study	\$25	\$0	\$25	0%
VVO/CRV Program	\$432	\$44	\$65	10%
Total I&M Program and Other O&M Spending	\$1,492	\$577	\$916	39%

Attachment E

**US Electricity Distribution - Rhode Island
Project Variance Report
FY 2021 through December 31, 2020
(\$000)**

Project Description	FYTD 2021			FY 2021			Variance Cause
	Budget	Actual	Over / (Under)	Budget	Forecast	Over / (Under)	
Aquidneck Island Projects	\$9,752	\$5,784	(\$3,968)	\$13,485	\$9,494	(\$3,991)	Work shifting to FY22 and expecting lower project costs.
East Providence Substation	\$1,161	\$216	(\$945)	\$1,550	\$258	(\$1,292)	Project delays.
New Lafayette Substation	\$249	\$501	\$252	\$390	\$1,707	\$1,317	Advancing civil work to enable efficiencies by coordinating with a DG project taking place on the same site.
Dyer Street Indoor Sub	\$5,479	\$398	(\$5,081)	\$7,160	\$2,860	(\$4,300)	Project paused as options were being assessed.
Providence Study	\$3,203	\$1,224	(\$1,979)	\$4,240	\$2,733	(\$1,507)	Project delays.
Franklin Sq Breaker Replacement	\$1,017	\$310	(\$707)	\$1,135	\$998	(\$137)	Waiting on materials to finish the breakers and anticipate replacing 4 breakers by end of fiscal year.
SouthEast Substation (D-Line and D-Sub)	\$7,602	\$7,682	\$80	\$10,080	\$12,694	\$2,614	Overspending due to shifting costs from FY20, environmental soil management and equipment rental costs.
	\$28,463	\$16,114	(\$12,349)	\$38,040	\$30,743	(\$7,297)	

Attachment F

US Electricity Distribution - Rhode Island Damage/Failure Detail by Work Type FY 2021 through December 31, 2020 (\$000)

	Project Type					Grand Total
	D-Line Blanket	D-Line Property Damage	D-Line Storm	D-Sub Blanket	D-Sub & D-Line Specific	
AFUDC	\$53	\$0	\$46	\$6	\$1	\$106
Default Accounting	1,703	200	235	11	(4)	2,145
Engineering/Design/Supervision	598	85	538	6	3	1,231
Outdoor Lighting - Cable/Wire	9	0	0	0	0	9
Outdoor Lighting - Framing	67	1	3	0	0	70
Outdoor Lighting - Poles/Foundation	5	(1)	0	0	0	4
Overhead Bonding/Grounding	20	1	2	0	1	24
Overhead Services	222	2	197	0	0	421
Overhead Switches/Reclosers/Fuses	666	43	153	0	1	862
OH Transformers/Capacitors/Regulators/Meters	426	37	262	0	0	725
Overhead Wire & Conductor	368	21	269	0	0	659
Pole Framing	186	28	137	0	2	353
Poles/Anchors/Guying	1,208	506	4,191	0	3	5,907
Substation Equipment Installations	0	0	0	247	350	597
Substations Civil/Structural	0	0	0	0	1	1
Switching and Restoration	(3)	(2)	45	2	0	42
Traffic Control	242	86	121	0	0	449
Underground Cable	887	107	11	0	9	1,013
Underground Cable Splicing	28	1	4	0	0	32
Underground Civil Infrastructure	218	221	25	0	29	493
Underground Direct-Buried Cable	708	3	35	0	0	747
Underground Services	32	1	12	0	0	45
Underground Switches/Reclosers/Fuses	31	0	11	0	0	42
UG Transformers/Capacitors/Regulators/Meters	206	(7)	40	0	0	239
Subtotal	7,880	1,333	6,338	272	397	16,218
Estimated reclassification adjustment - D/F to A/R	(800)					(800)
Grand Total	\$7,080	\$1,333	\$6,338	\$272	\$397	\$15,418

Attachment G

US Electricity Distribution - Rhode Island New Southeast Substation Budget and Project Management Report FY 2021 through December 31, 2020

New Southeast Substation
Date: January 31, 2021

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New Southeast Substation Project Agenda

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- Background & Drivers
- Scope
- Cost & Major Milestones
- Support Documentation
- Other

New Southeast Substation Project Background & Drivers

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- Pawtucket No. 1 substation supplies load in the City of Pawtucket, Rhode Island. It consists of an indoor substation located in a four story brick building constructed in 1907 and an outdoor substation on the yard. It supplies approximately 36,000 customers with a peak electrical demand of 114MW. There are a number of concerns in this area:
 - The equipment in the indoor substation is 40 to 94 years old, obsolete, and no longer supported by any vendor. Parts have to be custom made or salvaged from facilities removed from service.
 - The building has structural issues that cause concern for the continued safe and reliable operation of the substation.
 - There is un-served load for loss of either the 73 transformer or the 74 transformer that exceeds the distribution planning criteria.
 - The loading on a number of feeders is projected to exceed summer normal ratings along with the loading on bus section 73

New Southeast Substation Project Scope



- Construct a new eight feeder 115/13.8kV metal clad station (Dunnell Park #1201) with two transformers and breaker and a half design on a site adjacent to the transmission line right of way on York Avenue in the City of Pawtucket.
- Supply the new station from the existing 115kV lines crossing the site, X-3 and T-7.
- Rearrange the 13.8kV distribution system so that the new station supplies most of the load east of the Seekonk River.
- Install a new control house at the Pawtucket No 1 station site to house the control equipment for the 115 kV station presently located in the four story brick building and upgrade the 115kV Line Protections (P-11,X-3,T-7).
- Upgrade in Valley station the 115kV Line Protections for P-11.
- Remove the indoor substation and all electrical equipment from the four story brick building and demolish the building.

New Southeast Substation Project Cost & Major Milestones



Project Cost

- Total Project Cost of \$38.182M (+/- 10%) DOA: \$38.182M
- Transmission Project Cost of \$12.742M (+/-10%)
- Distribution Project Cost of \$25.440M (+/-10%)

New Southeast Substation Project Cost & Major Milestones



- The variance between the initial potential project investment of \$23.000M and this sanction of \$38.182M was caused by:
 - Addition of new 115kV equipment on Pawtucket No. 1 and on the new substation (Dunnell Park #1201) as result of the review of protection requirements for the project. The updated scope includes the installation of 115kV CCVT's, Line Traps, Line Tuners and related relaying and civil & structural work on X-3 and T-7 transmission line terminals on both substations (\$4.485M).
 - Additional civil and environmental scope of work on Pawtucket No. 1 based on the final location of the new control house inside the 100 year floodplain and the alignment with Tidewater Environmental Project requirements (\$4.865M).
 - Underestimation on the scope and level of effort on the distribution line work for the new feeders and distribution circuits rearrangement on the City of Pawtucket (\$4.517M).
 - Increase on equipment market value and other miscellaneous additional costs (\$1.315M).

New Southeast Substation Project Major Milestones



Project Major Milestones

Project Sanction	July 2019
Engineering Design Complete (EDC)	December 2019
Construction Start	January 2020
Dunnell Park Sub Ready for Load (RFL)	March 2021
Valley Sub Ready for Load (RLF)	June 2021
Pawtucket 1 Ready for Load (RFL)	June 2022
Construction Complete (CC)	August 2022
Demolish Pawtucket 1 Station Building	October 2022
Project Closeout	July 2023

PROJECT INFORMATION

New Southeast Substation Project Support Documentation

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New Southeast Station (Dunnell Park) – Location



Attachment H

**US Electricity Distribution - Rhode Island
Meter Purchases
FY 2021 through December 31, 2020**

Quantity of Meters Purchased		
Type	Description	Quantity
METER	CENTRON - 2S ERT CL200	4,800
METER	2S AMR 240V CL200	1,200
METER	FOCUS - 2S 240V CL200	2,670
METER	FOCUS - 12S 120V CL200	45
INSTRUMENT TRANSFORMER	CUR OUTDOOR 15/5 15KV	24
INSTRUMENT TRANSFORMER	CUR OUTDOOR 20/1 5KV	15
INSTRUMENT TRANSFORMER	CUR OUTDOOR 100/5 15KV	6
INSTRUMENT TRANSFORMER	CUR OUTDOOR 200/5 15KV	9
INSTRUMENT TRANSFORMER	CUR OUTDOOR 60/1 7.2KV	4
INSTRUMENT TRANSFORMER	CUR INDOOR 100/5 600V	120
INSTRUMENT TRANSFORMER	CT 100:5	60
INSTRUMENT TRANSFORMER	600:5 BASE BUSHINGS	30
INSTRUMENT TRANSFORMER	JVW5 NEES PT	6
	TOTAL	8,989