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November 15, 2023

VIA ELECTRONIC MAIL

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

RE: Docket No. 22-53-EL – FY2024 Electric Infrastructure, Safety, and Reliability Plan Quarterly Update – Second Quarter Ending September 30, 2023

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a Rhode Island Energy, I have enclosed an electronic version of the Company's fiscal year (FY) 2024 Electric Infrastructure, Safety, and Reliability (ISR) Plan quarterly update for the second quarter ending September 30, 2023.¹ 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 401-784-4263.

Sincerely,

A handwritten signature in blue ink, appearing to read "Andrew S. Marcaccio".

Andrew S. Marcaccio

Enclosure

cc: Docket 22-53-EL Service List

¹ Per a communication from Commission counsel on October 4, 2021, the Company is submitting an electronic version of this filing followed by six (6) hard copies filed with the Clerk within 24 hours of the electronic filing.

**Electric Infrastructure, Safety, and Reliability Plan
ISR Plan Fiscal Year 2024 -- Second Quarter Update
For the Six Months Ending September 30, 2023**

EXECUTIVE SUMMARY

As shown in Attachment A, The Narragansett Electric Company d/b/a Rhode Island Energy (the “Company”) spent \$67.6 million for capital projects against a budget of \$57.5 million during the first six months of ISR Plan Fiscal Year 2024 (April 1, 2023 through March 31, 2024, or “FY 2024”) for its electric infrastructure, safety, and reliability (“ISR”) plan. Non-Discretionary spending was \$29.8 million, \$8.6 million over budget. Discretionary spending, including the separately tracked large projects, was \$37.8 million, \$1.5 million over budget. For FY 2024, the Company forecasts capital spending over budget primarily due to non-discretionary spending related to transformers purchases and failed assets. Spending in each of these categories is addressed in more detail below.

I. FY 2024 Capital Spending by Key Driver Category

1. Non-Discretionary Spending

a. Customer Request/Public Requirement

During the six months ending September 30, 2023, capital spending in the Customer Request/Public Requirement category was \$20.2 million, which was \$6.5 million over the budget of \$13.7 million. The Company forecasts capital spending of \$30.7 million during the year. The major drivers were:

- Distributed Generation (“DG”) capital spending activity, net of DG customer contributions, was \$1.8 million for the six months ending September 30, 2023. The Company continues to review and reconcile DG projects and is anticipating that capital spending will be reduced by customer advances during the reconciliation process. As discussed in the Company’s 2023 Annual Reconciliation Filing, plant additions related to a DG project will not be included in the revenue requirement until a review of the project is completed.
- Public Requirements capital spending was \$1.6 million. Spending under the blanket project remains close to budget. Two projects for the RI Department of Transportation were completed and billing is expected to occur by the end of the year. During the six months ending September 30, 2023, capital spending for these projects totaled \$0.8 million.
- Meter purchases and work are under budget and are forecasted to be under budget at year end. Detailed meter and instrument purchases are shown in Attachment H to this report. The Landline Meter Replacement project was deferred from previous years and the Company expects to begin the program in 2024.
- Capital spending for transformers, voltage regulators, and capacitors was \$6.9 million. Supply chain challenges continue to impact pricing and availability of transformers and related equipment. These include extended lead times, demand exceeding capacity, raw material shortages, and logistical constraints. During 2023, the Company sought alternate sources of supply, continued to place proactive orders to mitigate future supply gaps, and increased inventory levels to support work plans and respond to emergencies. Transformer purchases are forecasted to be over budget for 2024.

b. Damage/Failure

During the six months ending September 30, 2023, capital spending in the Damage/Failure category was \$9.6 million, which was \$2.1 million over budget.

- Spending in the Overhead Line and Substation Damage/Failure Blanket Projects was \$7.5 million, \$2.1 million over budget. Delays associated with billing property damage work have affected the Overhead Line Blanket project. A significant amount of property damage billing took place in October. The Substation Blanket project includes costs associated with the Apponaug Substation and Sprague Street transformer failures as described in more detail below.
- Actual capital spending related to storms and weather-related events was over budget by \$0.2 million for the six months ending September 20, 2023. As of September 30, 2023, the Company has forecasted storm costs equivalent to the amount budgeted.
- During ISR Plan Year 2022, the Westerly #2 transformer failed and a spare transformer was installed. Due to delays in delivery of the spare transformer, minimal spending is forecasted in FY 2024. Delivery of the spare transformer is scheduled for June 2024.
- In August 2022, the metal clad switchgear at the Nasonville Substation was damaged beyond repair due to a bus fault. Removal of the failed equipment has been completed. Final engineering is ongoing. The Company is currently evaluating civil construction bids which have come in higher than estimated resulting in an increase in the FY 2024 forecast to \$3.0 million. Capital spending on this project was \$0.7 million during the first six months of FY 2024.
- Last year, the Hopkins Hill transformer failed and a spare transformer was installed. It is expected that the transformer teardown, visual inspection, and final report will be completed during the summer of 2024. During 2024, the Company anticipates making payments of \$0.8 million, or 40%, for the purchase of a new spare transformer which is expected to be received during the ISR Plan Fiscal Year 2026.
- In July 2023, the transformer at Apponaug Substation failed. A spare transformer was used to replace the failed unit. The Company is working with a contractor to investigate the fault. Capital spending of less than \$100,000 has taken place during 2024 and is included in the Substation Damage/Failure Blanket project.

- In May 2023, the transformer at Sprague Street Substation failed. Costs associated with the immediate repair/replacement are included in the Substation Blanket project. The Company is currently assessing the costs associated with replacing the unit.

2. **Discretionary Spending**

a. **Asset Condition (Without Separately Tracked Large Projects)**

During the six months ending September 30, 2023, capital spending in the Asset Condition category (excluding separately tracked large projects) was \$16.5 million, \$4.0 million over budget. The major drivers in this category are as follows:

- Capital spending on inspection and maintenance work (“I&M”) was \$0.3 million for the six months ending September 30, 2023, under budget by \$1.2 million. The Company forecasts spending to the budget this year.
- Through September 30, 2023, capital spending for the Underground Cable Replacement program was \$4.9 million. The Company forecasts an additional \$0.8 million in spending through the end of the year, coming in \$0.3 million over budget.
- Through September 30, 2023, capital spending for the URD program was \$5.1 million. The Company is forecasting additional spending of \$0.3 million through the end of the year, coming in \$0.9 million under budget.
- After delays in 2023, the 3763 Pole Replacement project is progressing, and the assets are expected to be in service this year. The Company forecasts capital spending of \$1.2 million for the year, most of which occurred during the first six months of the year. The project is forecasted to be \$0.4 million over budget due to the deferral of spending in 2023.
- Capital spending for work performed under the Asset Replacement blanket projects is essentially on budget as of September 30, 2023. The Company forecasts coming in on budget at the end of the year.
- Work continues to take place on the replacement of 18 reclosers approved in the FY 2024 Plan. As of September 30, 2023, replacement of all reclosers has begun, with most installations complete. The Company forecasts all assets will be in service at year end.

b. Non-Infrastructure

During the first six months of 2024, capital spending for Non-infrastructure projects was under budget. The Company is forecasting that capital spending in this category will be under budget at the end of the year due to delays related to the Copper to Fiber Conversion project.

c. System Capacity and Performance (Without Separately Tracked Large Projects)

During the six months ending September 30, 2023, capital spending for the System Capacity and Performance category was \$7.7 million, \$1.6 million over budget. The major drivers in this category were as follows:

- Capital spending on the New Lafayette Substation project was essentially on budget and is forecasted to remain on budget until year end. The construction start date has been delayed due to transmission outage coordination issues.
- During the six months ending September 30, 2023, capital spending on the CEMI-4 project totaled \$0.8 million. Work to fix reliability issues for customers experiencing significantly poorer service than system or circuit averages has begun on multiple circuits. The Company forecasts spending to the budget of \$1.2 million.
- During the first six months, capital spending on the substation improvement projects in the Aquidneck Island area totaled \$0.5 million. The Merton Substation improvements were placed into service. Work continues on the Harrison Substation and the Kingston Substation improvements projects. Both projects are forecasted to be in service by year end.
- Delays associated with the Weaver Hill Substation have resulted in an underspend of \$0.4 million as of September 30, 2023. Planned work has been deferred until FY 2025 for portfolio management purposes.
- The Nasonville Substation is forecasted to finish the year close to budget. Initial payments for the transformer, as well as civil work at the substation, and design for the distribution line are planned this year.
- During the six months ending September 30, 2023, capital spending on the System Capacity & Performance Blanket projects was \$2.6 million. The Company forecasts being over budget at the end of the year. The Company is reviewing all work to ensure it is appropriately categorized.

- Capital spending on Volt/VAR Optimization (“VVO”) projects totaled \$0.2 million as the Company completes work at Farnum Pike and Putnam Pike.

d. Separately Tracked Large Projects

During Plan Year 2024, capital spending on the following Large Projects is tracked and reported separately: Southeast Substation, Dyer Street Substation, Providence Study projects, East Providence Substation, and Warren Substation. Each project is discussed in [Attachment G](#).

e. Large Project Variances

The Company provides explanations for large projects¹ with variances that exceed +/- 10% of the Plan Year budget in quarterly reports. These projects represent \$33.3 million of the 2024 budget of \$112.3 million. This project information is provided in [Attachment E](#).

f. New Distribution System Technology Update

The Quarterly Updates include an explanation of new technologies the Company is exploring to assist in distribution system planning, particularly as they relate to the integration of DERs or to provide additional visibility on the distribution system. The Company continues to increase its use of Python Scripting to improve automation in CYME as well as other computer programs. For example, the grid modernization analysis utilized Python scripts for electric vehicle, electric heat pump, and DG placement within the CYME models.

3. Investment Placed-in-Service

During the six months ending September 30, 2023, \$45.3 million of plant additions were placed in service, which was 28% of target. The Company is forecasting plant additions of \$102.9 million, over the Plan’s target of \$88.9 million primarily driven by Dyer Street Substation assets. Details by spending rationale are included in [Attachment B](#).

4. Vegetation Management

During the six months ending September 30, 2023, the Company completed 615 miles of its annual distribution mileage cycle pruning goal of 1,231 miles. The Company expects

¹ Large projects are defined as projects exceeding \$1.0 million in total project cost.

to complete 100% of its work plan this year. The Company spent \$6.8 million during the six months and forecasts spending \$14.0 million during FY 2024.

The Company agreed to provide additional information on its vegetation management program that allows for the disaggregation of cycle pruning and the enhanced hazard tree management program. A plan to collect data was provided in a May 15, 2023 letter to the Public Utilities Commission.

Attachment C provides the O&M spending and the Off Cycle Risk Reduction removal counts by circuit, as well as the additional information noted in the paragraph above.

5. Inspection and Maintenance

I&M program costs for the first six months of FY 2024 are shown in Attachment D. This spending includes mobile elevated voltage testing and repairs, which the Rhode Island Public Utilities Commission approved in Docket No. 4237. During this time, the Company identified one Level I deficiency. The Level I stray voltage deficiency was identified and repaired on August 3, 2023. When Level I deficiencies are identified, they are repaired immediately or within 30 days of the inspection.

The Company began its annual inspection of targeted overhead structures and elevated voltage testing on January 1, 2023 as inspections and elevated voltage testing now take place on a calendar year basis. The table below shows the number of units tested during this period.

Manual Elevated Voltage Testing				
Manual Elevated Voltage Testing	Total System Units Requiring Testing	Units Completed 1/1/23 thru 9/30/23	Units with Voltage Found (>1.0v)	Percent of Units Tested with Voltage (>1.0v)
Distribution Facilities	274,396	47,615	0	0.000%
Underground Facilities	12,438	0	0	0.000%
Street Lights and Signal Controls	4,929	0	0	0.000%

Attachment A

Capital Spending by Spending Rationale For the Six Months Ending September 30, 2023 (\$000)

	YTD September 30, 2023			Plan Year 2024		
	Budget	Actuals	Over Spend / (Under Spend)	Budget	Forecast	Over Spend / (Under Spend)
Customer Request/Public Requirement	\$13,650	\$20,191	\$6,541	\$27,514	\$30,735	\$3,221
Damage Failure	7,535	9,635	2,100	15,192	17,182	1,989
<i>Non-Discretionary Spending</i>	21,185	29,826	8,641	42,706	47,916	5,210
Asset Condition	12,506	16,484	3,978	23,346	24,548	1,202
Non-Infrastructure	846	118	(728)	1,700	763	(937)
System Capacity & Performance	6,164	7,746	1,582	16,898	15,691	(1,207)
	19,516	24,347	4,831	41,944	41,002	(942)
Large Projects Separately Tracked	16,799	13,470	(3,329)	27,679	29,286	1,607
<i>Discretionary Spending</i>	36,315	37,817	1,502	69,623	70,287	665
Total Capital Spending	\$57,500	\$67,643	\$10,143	\$112,329	\$118,203	\$5,874

Attachment B

Plant Additions by Spending Rationale For the Six Months Ending September 30, 2023 (\$000)

	ISR Plan Fiscal Year 2024			% of Target Placed In Service
	Target	Actuals	Forecast	
Customer Request/Public Requirement	\$27,353	\$18,680	\$29,312	68%
Damage Failure	16,387	8,001	14,487	49%
<i>Subtotal Non-Discretionary</i>	43,740	26,681	43,799	61%
Asset Condition (w/Sep Tracked Large Projects)	32,298	14,159	46,302	44%
Non- Infrastructure	1,650	55	436	3%
System Cap & Perf (w/Sep Tracked Large Projects)	11,187	4,417	12,396	39%
<i>Subtotal Discretionary</i>	45,134	18,631	59,134	41%
Total Plant Additions	\$88,874	\$45,312	\$102,933	51%

Attachment C

**Vegetation Management
For the Six Months Ending September 30, 2023
(\$000)**

Vegetation Management O&M Spending

	2024 Budget	Actual Spending	2024 Forecast	% Spend
Cycle Pruning (base)	\$9,960	\$4,605	\$9,960	46%
Off Cycle Risk Reduction	625	505	625	81%
Sub - T (on & off road)	540	185	540	34%
Police/Flagger Details	860	505	860	59%
Pockets of Poor Performance	120	17	120	14%
Risk Reduction - on cycle	290	266	290	0%
Core Crew (all other activities)	1,555	670	1,555	43%
Total O&M Spending	\$13,950	\$6,755	\$13,950	48%

Attachment C

Vegetation Management Span and Tree Tracker For the Six Months Ending September 30, 2023

YTD FY 2024 Off Cycle Risk Reduction Tree Removal Count			
<u>Feeder</u>	<u>Trees Removed</u>	<u>Substation</u>	<u>District</u>
23F4	22	Farnum Pike 23	Capital
26W1	24	Woonsocket 26	Capital
21F2	11	West Cranston 21	Capital
63F6	57	Hopkins Hill 63	Coastal
16F2	4	Westerly 16	Coastal
68F4	3	Kenyon 68	Coastal
59F1	1	Peacedale 59	Coastal
68F1	3	Kenyon 68	Coastal
127W41	19	Nasonville 127	Capital
54F1	8	Coventry 54	Coastal
38F1	19	Putnam Pike 38	Capital
63F3	7	Hopkins Hill 63	Coastal
34F1	15	Chopmist 34	Capital
61F1	6	Division St 61	Coastal
64F1	5	Anthony 64	Coastal
45F2	28	West Greenville 45	Capital
26W3	10	Woonsocket 26	Capital
51F3	22	Bristol 51	Capital
Total	264		

Attachment C

Vegetation Management Span and Tree Tracker For the Six Months Ending September 30, 2023

YTD FY 2024 EAB Trees Count			
<u>Feeder</u>	<u>Trees Removed</u>	<u>Substation</u>	<u>District</u>
23F4	22	Farnum Pike 23	Capital
21F2	11	West Cranston 21	Capital
63F6	57	Hopkins Hill 63	Coastal
16F2	4	Westerly 16	Coastal
68F4	3	Kenyon 68	Coastal
59F1	1	Peacedale 59	Coastal
68F1	3	Kenyon 68	Coastal
127W41	19	Nasonville 127	Capital
54F1	8	Coventry 54	Coastal
38F1	19	Putnam Pike 38	Capital
63F3	7	Hopkins Hill 63	Coastal
34F1	15	Chopmist 34	Capital
61F1	6	Division St 61	Coastal
64F1	5	Anthony 64	Coastal
45F2	28	West Greenville 45	Capital
26W3	10	Woonsocket 26	Capital
51F3	22	Bristol 5	Capital
Total	240		

YTD FY 2024 On-Circuit Risk reduction Hazard Trees				
<u>Feeder</u>	<u>Trees Removed</u>	<u>Ash Trees of Total</u>	<u>Substation</u>	<u>District</u>
46F1	27		Old Baptist	Coastal
112W44	57	23	Staples	Capital
126W41	80	14	Washington	Capital
TOTAL	164			

Attachment C

**Vegetation Management Span and Tree Tracker
For the Six Months Ending September 30, 2023**

YTD FY 2024 On-Circuit Enhanced Clearance Hazard Trees					
<u>Feeder</u>	<u>Spans Enhanced</u>	<u>Trees Removed</u>	<u>Ash Trees of Total</u>	<u>Substation</u>	<u>District</u>
46F1		157		Old Baptist	Coastal
46F4	12	72		Old Baptist	Capital
54F1		14		Coventry 54	Coastal
63F3	20	22		Hopkins Hill 63	Coastal
63F5	1			Hopkins Hill 63	Coastal
63F6	16	156		Hopkins Hill 63	Coastal
88F3	6	122		Tower Hill 88	Coastal
36W41		1		Denter 36	Coastal
127W41		10		Nasonville 127	Coastal
26W1		5		Woonsocket 26	Capital
112W44	12	23	23	Staples	Capital
126W41				Washington	Capital
69F1	9	3		Manton	Capital
TOTAL	76	585	23		

Attachment D

**Inspection and Maintenance Program and Other O&M Spending
For the Six Months Ending September 30, 2023
(\$000)**

	2024 Budget	Actuals	2024 Forecast	% Spend
Opex Related to Capex	\$400	\$169	\$400	42%
Inspections & Repair Related Costs	338	306	450	91%
System Planning & Protection Coordination Study	25	0	0	0%
VVO/CRV Program	400	75	400	19%
Total O&M Spending	\$1,163	\$550	\$1,250	

Attachment E

Project Variance Report For the Six Months Ending September 30, 2023 (\$000)

Project Description	YTD 2024			Plan Year 2024			Variance Cause
	Budget	Actual	Over / (Under)	Budget	Forecast	Over / (Under)	
Dyer Street Substation (at South Street)	\$0	\$1,420	\$1,420	\$0	\$2,080	\$2,080	See Attachment G for additional details.
Providence Study - Phase 1B	\$10,184	\$5,403	(\$4,781)	\$13,941	\$11,272	(\$2,669)	See Attachment G for additional details.
Providence Study - Phase 2	\$627	\$24	(\$603)	\$1,597	\$1,532	(\$65)	See Attachment G for additional details.
Providence Study - Phase 4	\$3,976	\$4,905	\$929	\$8,776	\$10,522	\$1,746	See Attachment G for additional details.
East Providence Substation	\$924	\$153	(\$770)	\$1,330	\$1,275	(\$55)	See Attachment G for additional details.
Warren Substation	\$1,089	\$1,117	\$27	\$1,969	\$2,156	\$187	See Attachment G for additional details.
Franklin Sq Breaker Replacement	\$437	\$987	\$550	\$437	\$1,176	\$739	Work carried over from previous year. Expected to be completed by Dec 2023 and in service.
Weaver Hill Road Substation	\$468	\$29	(\$439)	\$1,507	\$279	(\$1,228)	Delays and deferred to FY 2025.
Nasonville Substation	\$935	\$1,438	\$503	\$1,912	\$1,731	(\$181)	Timing of deposits for transformer did not match budget. Forecasted to be close to budget by year end.
Nasonville Damage/Failure Project	\$380	\$748	\$368	\$1,092	\$3,000	\$1,907	Higher than originally estimated civil construction bids recently received and being evaluated.
3763 Pole Replacements	\$608	\$1,171	\$563	\$783	\$1,207	\$424	Deferred from FY 2023 and is almost construction complete. It should be in service by the end of the year.
	\$19,628	\$17,395	(\$2,233)	\$33,344	\$36,230	\$2,886	

Attachment F

**Damage/Failure Detail by Work Type
For the Six Months Ending September 30, 2023
(\$000)**

Description	D Line Blanket	Property Damage	D Sub Blanket	Specifics	Storms	Grand Total
Monthly confirming work	\$3,839					\$3,839
OH Electric Distribution	615					615
Other	443			(4)		439
Property Damage		1,186				1,186
Storms					1,212	1,212
Streetlighting	13					13
Substation			661	905		1,566
UG Electric Distribution	764	1			0	765
Grand Total	\$5,674	\$1,187	\$661	\$901	\$1,212	\$9,636

Please see the Excel file attached to this quarterly report with additional details on Damage/Failure capital spending.

Attachment G

**Separately Tracked Large Projects
For the Six Months Ending September 30, 2023**

Southeast Substation

Predates Existing Area Study Process
Current Status – Design and Execute

	Actuals & Current Forecast		ISR Plan Budget	
<i>(\$ 000's)</i>	2024 Forecast	Total Project Cost Forecast	2024 Budget	Total Project Cost Forecast
Southeast Substation Project	\$271	\$23,921	\$66	\$23,703

Minimal capital spending is forecasted for the Southeast Substation project during the Plan Year. The Dunnell Park substation portion of this project is complete. The majority of the assets associated with the distribution line project are in service. The engineering for the Pawtucket #1 Substation project is complete and building demolition will begin in August 2024. This has been pushed from January 2024 due to material delays.

Dyer Street Substation at South Street

Predates Existing Area Study Process

Current Status – Design and Execute

<i>(\$ 000's)</i>	Actuals & Current Forecast		ISR Plan Budget	
	Total Project Cost Forecast	Total Project Cost Forecast	2024 Budget	Total Project Cost Forecast
Dyer Street Substation Project	\$2,080	\$23,350	\$0	\$21,641

Capital spending of \$2.1 million is forecasted for FY 2024. The distribution line portion of the project is forecasted to be completed and go into service by the end of ISR Plan Fiscal Year 2024. The substation portion of this project went into service in December 2022. Building demolition of the existing Dyer Street Substation is expected to begin in the Spring of 2024.

The total project cost forecast increased due to:

- Supply chain delays adding a year to the project schedule.
- Scope increases due to underground obstructions and a collapsed duct bank.

Providence Study – Admiral Street Substation - Phase 1B
Providence Area Study Implementation Plan 2016 – 2030 (May 2017)
Current Status – Final Engineering/Design and Execute

<i>(\$ 000's)</i>	Actuals & Current Forecast	ISR Plan Budget
	Total Project Cost Forecast	Total Project Cost Forecast
Providence Study Projects - Phase 1B	\$11,272	\$46,511
	\$13,941	\$46,462

During the first six months of FY 2024, capital spending was \$5.4 million and the Company forecasts spending to the budget of \$11.3 million. Schedule delays due to underground obstructions and material delays led to a decrease in the current year’s forecast which will increase in the FY 2025 forecast. Total project spend will include manhole and duct bank construction, cable pulling and restoration, construction of the Admiral Street Substation construction, demolition of the old substation, and Olneyville conversion construction. Construction began in April 2022.

In total, the Company expects capital spending of \$46.5 million for this project compared to the \$45.6 million amount sanctioned.

Providence Study Projects – Phase 2

Providence Area Study Implementation Plan 2016 – 2030 (May 2017)

Current Status – Develop & Sanction

<i>(\$ 000's)</i>	Actuals & Current Forecast		ISR Plan Budget	
	Total Project 2024 Forecast	Cost Forecast	2024 Budget	Total Project Cost Forecast
Providence Study Projects - Phase 2	1,532	\$24,942	\$1,597	\$25,145

Forecasted capital spending on the Phase 2 projects of the Providence Study is \$1.5 million during the Plan year. The Company will continue with design, engineering, and initiation of the procurement process. In total, the Company expects capital spending of \$25.0 million on these projects. This work was pushed out a year following the sequencing of predecessor phases of the Providence Study portfolio.

Providence Study – Knightsville Substation - Phase 4
Providence Area Study Implementation Plan 2016 – 2030 (May 2017)
Current Status – Construction

<i>(\$ 000's)</i>	Actuals & Current Forecast		ISR Plan Budget	
	2024 Forecast	Total Project Cost Forecast	2024 Budget	Total Project Cost Forecast
Providence Study Projects - Phase 4	\$10,522	\$19,981	\$8,776	\$19,146

Actual capital spending on the Knightsville Substation project during the first six months of FY 2024 was \$4.9 million. The Company began and will continue with the conversion work during 2024. Additionally, substation civil work will begin. Forecasted capital spend in FY 2024 is \$10.5 million. The Company progressed with additional work from FY 2025 to accommodate the City’s request. In total, the Company expects capital spending of \$20.0 million for the projects in the fourth phase of the Providence Area Study Implementation Plan.

East Providence Substation
East Bay Area Study (August 2015)
Current Status – Design & Execute

<i>(\$ 000's)</i>	Actuals & Current Forecast		ISR Plan Budget	
	Total Project 2024 Forecast	Cost Forecast	2024 Budget	Total Project Cost Forecast
East Providence Substation	\$1,275	\$17,025	\$1,330	\$17,555

During FY 2024, final engineering and procurement will occur. The Company forecasts capital spending equal to its 2024 budget of \$1.3 million.

Warren Substation

East Bay Area Study (August 2015)
Current Status – Design & Execute

<i>(\$ 000's)</i>	Actuals & Current Forecast		ISR Plan Budget	
	2024 Forecast	Total Project Cost Forecast	2024 Budget	Total Project Cost Forecast
Warren Substation	\$2,156	\$10,172	\$1,969	\$10,171

During FY 2024, the Company forecasts capital spending of \$2.2 million for overhead and substation work. The distribution line work is in construction and the substation work is progressing towards construction. The sub-transmission underground work is still in the permitting process.

Tiverton

Tiverton Area Study 33F6

In the Tiverton area, the DG application for the installation of a new feeder, 33F6, has been approved and the project is progressing. This generation site is expected to be in-service in late 2023. The Tiverton Area Study (September 2021) identified the need to extend the proposed 33F6 circuit to the south for thermal (capacity) limits, contingency response capability, and voltage issues. The Study included a cash flow showing the circuit extension to be in-service in 2028. As a result of cost sharing complications that are expected to occur for this project, the Company plans to include the Tiverton 33F6 extension project in Attachment G of future ISR Plan quarterly reports.

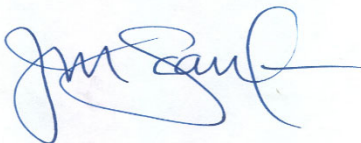
Attachment H
Meter Purchases
For the Six Months Ending September 30, 2023

<u>Quantity of Meters Purchased</u>		
Type	Description	Quantity
METER	CENTRON - 2S 240V CL200	6,300
INSTRUMENT TRANSFORMER	CUR OUTDOOR 15KV	10
INSTRUMENT TRANSFORMER	CUR OUTDOOR 75/5 15KV	30
INSTRUMENT TRANSFORMER	CUR OUTDOOR 100/5 15KV	8
INSTRUMENT TRANSFORMER	CUR OUTDOOR 300/5 15KV	12
INSTRUMENT TRANSFORMER	300:5 BASE BUSHINGS	4
INSTRUMENT TRANSFORMER	400:5 BASE BUSHINGS	240
INSTRUMENT TRANSFORMER	1200:5 BASE BUSHINGS	60
INSTRUMENT TRANSFORMER	2000:5 BASE BUSHINGS	48
INSTRUMENT TRANSFORMER	3000:5 BASE BUSHINGS	48
INSTRUMENT TRANSFORMER	200:5 CAP	120
	TOTAL	6,880

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.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



Joanne M. Scanlon

November 15, 2023
Date

**Docket No. 22-53-EL – RI Energy’s Electric ISR Plan FY 2024
Service List as of 4/6/2023**

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