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August 15, 2022

VIA ELECTRONIC MAIL

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

**RE: Docket 5209 – FY2023 Electric Infrastructure, Safety, and Reliability Plan
Quarterly Update – First Quarter Ending June 30, 2022**

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) 2023 Electric Infrastructure, Safety, and Reliability (ISR) Plan quarterly update for the first quarter ending June 30, 2022.¹ 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 5209 Service List
Tiffany Parenteau, Esq.
John Bell, Division
Greg Booth, Division

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
Plan Year 2023 Quarterly Update
For the Three Months Ending June 30, 2022**

EXECUTIVE SUMMARY

As shown in Attachment A during the first quarter of the Plan Year (i.e., April 1, 2022, through March 31, 2023) for its electric infrastructure, safety, and reliability (“ISR”) plan, The Narragansett Electric Company d/b/a Rhode Island Energy (the “Company”) spent \$23.2 million for capital projects against a budget of \$27.8 million. Non-Discretionary spending was \$11.3 million, essentially on budget. Discretionary spending, including the separately tracked large projects, was \$11.9 million, \$4.7 million under the budget of \$16.6 million. The Company forecasts capital spending of \$107.0 million during the Plan Year. Spending in each of these categories is addressed in more detail below.

I. Plan Year 2023 Capital Spending by Key Driver Category

1. Non-Discretionary Spending

a. Customer Request/Public Requirement

During the three months ending June 30, 2022, capital spending in the Customer Request/Public Requirement category was \$6.9 million, which was \$0.5 million under the budget of \$7.5 million. The major drivers were:

- Spending on Third-Party Attachment projects was over budget by \$0.6 million. Additional customer advances were collected in FY 2022 for work that will be completed in the current year. It is anticipated that this category of non-discretionary spending will remain over budget for the year because of these customer advances collected in FY 2022.
- Net spending activity in the Distributed Generation (“DG”) category was \$0.2 million over budget for the three months ending June 30, 2022. As stated in the March 9, 2022 hearing, the Company has undertaken a review of DG Projects and will report the results to the Commission by October 1, 2022.
- In FY 2022, capital spending for the Landline Meter Replacement project was deferred to Plan Year 2023. A \$150,000 budget for this project was included in this year’s Plan. Although no spending took place during the first quarter, the Company forecasts completing the work on the budget.
- In the previous year, Strategic Distributed Energy Resources (“DER”) projects were under budget by \$0.3 million because construction on some Hopkins Hill feeder monitors was deferred. Construction began on three of these feeder monitors, and construction on the remaining three feeder monitors is scheduled for the second quarter of this year. Capital spending of approximately \$20,000 has taken place during the first quarter. Construction on the feeder monitors at Chopmist substation was completed last year.
- Year to date spending in other projects and programs, such as new business work, meter purchases, meter work, transformer purchases, and public requirement projects, was \$0.8 million under budget as of June 30, 2022.

b. Damage/Failure

During the three months ending June 30, 2022, capital spending in the Damage/Failure category was \$4.3 million, which was \$0.5 million over budget. The Company continues to review Damage/Failure work each month to categorize only work related to failed assets in the Damage/Failure category of the Non-Discretionary portfolio and all other work in the Asset Replacement category of the Discretionary portfolio. At this time, the Company forecasts that spending under the blankets will

be close to budget at the end of the Plan Year. Actual capital spending related to storms and weather-related events during the first three months was \$0.2 million over budget. The Company forecasts that capital spending in this project will be over budget for the year.

2. Discretionary Spending

a. Asset Condition (Without Separately Tracked Large Projects)

During the three months ending June 30, 2022, capital spending in the Asset Condition category (excluding separately tracked large projects) was \$4.7 million, which was \$2.7 million under budget. The major drivers of this variance were as follows:

- Net capital spending on inspection and maintenance (“I&M”) was \$(0.5) million. Actual capital spending of \$0.7 million on I&M projects was offset by the write off of \$1.2 million of low priority projects that were designed in prior years, but the work will not be completed because of changes in the streamlined program. I&M capital spending is forecasted to be under budget at the end of the year because of this write off and the focus on addressing priority work.
- Last year, the Franklin Square Breaker Replacement project was under budget because some breaker installations were delayed due to vendor unavailability. Installation of four of the nine FY 2022 transformers took place in the first quarter of this Plan Year. The remaining breakers from FY 2022 and those scheduled to be purchased and installed during this Plan Year are on schedule. Capital spending of \$2.1 million is forecasted.
- Capital spending on Underground Cable Replacement projects was under budget by \$1.8 million because of the phasing of the budget and availability windows for work completion. Spending on the program is currently forecasted to be close to budget at the end of the Plan Year.

b. Non-Infrastructure

During the first three months of the Plan Year, capital spending for Non-Infrastructure projects was \$0.3 million. At this time, the Company forecasts that spending in this category will be close to budget at the end of the year.

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

During the first three months of the Plan Year, capital spending for the System Capacity and Performance category was \$3.7 million, which was \$1.3 million over budget. The major drivers of this variance were as follows:

- Capital spending on the New Lafayette Substation project was \$0.7 million. Schedule adjustments have been made to this project because of transmission outage coordination issues.
- In the previous Plan Year, construction on a distribution line Volt/VAR Optimization (“VVO”) project was deferred to Plan Year 2023. Construction has begun and is expected to be completed by the end of the calendar year. Minimal budget for these projects was included in the Plan because these projects were scheduled to be completed when the budget was set. The Company is forecasting capital spending of \$0.8 million this year.
- In FY 2022, certain projects related to load shifts because of the COVID-19 pandemic, including work on the 59F3 and 72F5 Lines and some smaller blanket level work, were deferred. The work has progress on these projects and capital spending totaled \$0.2 million through June 30, 2022. Capital spending is forecasted to be \$0.6 million through March 31, 2023. The Company continues to monitor load and takes immediate action to manage the system safely and reliably.

d. Separately Tracked Large Projects

During Plan Year 2023, capital spending on the following Large Projects will be separately tracked: Southeast Substation, Dyer Street Substation, Providence Area 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 \$33.4 million of the Plan Year 2023 budget of \$104.8 million. This project information is provided in Attachment E.

f. New Distribution System Technology Update

The Quarterly Updates include an explanation of all new technologies the Company is exploring to assist in distribution system planning, particularly as they relate to the integration of DERs or to providing 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, grid modernization analysis utilized Python scrips for electric vehicle, electric heat pump, and DG placement within the CYME models.

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

3. Investment Placed-in-Service

During the first three months of Plan Year 2023, \$16.8 million of plant additions were placed in service, which was 16% of target. Details by spending rationale are included in Attachment B.

4. Vegetation Management

During the first three months of Plan Year 2023, the Company completed 140 miles, or 10%, of its annual distribution mileage cycle pruning goal of 1,357 miles. O&M spending on vegetation management was \$0.7 million. The Company expects to complete 100% of the work plan within the budget of \$11.8 million. During this period, the Company removed 76 hazard trees on two circuits.

Attachment C provides the O&M spending, and the Enhanced Hazard Tree Mitigation (“EHTM”) removal counts by circuit.

5. Inspection and Maintenance

During the three months ending June 30, 2022, the Company is ahead of its annual structure inspection goal with 33% complete against a target of 25%. I&M program costs 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.

The Company identified no Level I deficiencies during the first three months of Plan Year 2023. When Level I deficiencies are identified, they are repaired immediately or within 30 days of the inspection.

During the first three months of Plan Year 2023, the Company’s manual elevated voltage testing identified no instances of elevated voltage. 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 | FY 2023 Units Completed thru 06/30/22 | Units with Voltage Found (>1.0v) | Percent of Units Tested with Voltage (>1.0v) |
| Distribution Facilities | 269,753 | 19,103 | 0 | 0% |
| Underground Facilities | 12,438 | 0 | 0 | 0% |
| Street Lights | 4,929 | 0 | 0 | 0% |

Attachment A

US Electricity Distribution - Rhode Island Capital Spending by Spending Rationale For the Three Months Ending June 30, 2022 (\$000)

| | YTD June 30, 2022 | | | Plan Year 2023 | | |
|--|-------------------|-----------------|-------------------------------|------------------|------------------|-------------------------------|
| | Budget | Actuals | Over Spend / (Under Spend) | Budget | Forecast | Over Spend / (Under Spend) |
| Customer Request/Public Requirement | \$7,458 | \$6,939 | (\$518) | \$27,183 | \$28,399 | \$1,217 |
| Damage Failure | \$3,789 | \$4,335 | \$547 | \$14,251 | \$14,362 | \$111 |
| <i>Total Non-Discretionary Spending</i> | <i>\$11,246</i> | <i>\$11,275</i> | <i>\$28</i> | <i>\$41,433</i> | <i>\$42,761</i> | <i>\$1,328</i> |
| Asset Condition | \$7,450 | \$4,741 | (\$2,709) | \$24,979 | \$23,229 | (\$1,750) |
| Non-Infrastructure | \$370 | \$280 | (\$89) | \$1,520 | \$1,682 | \$162 |
| System Capacity & Performance | \$2,392 | \$3,671 | \$1,278 | \$9,188 | \$11,358 | \$2,170 |
| | \$10,212 | \$8,692 | (\$1,520) | \$35,687 | \$36,268 | \$582 |
| Large Projects Separately Tracked | \$6,381 | \$3,246 | (\$3,135) | \$27,629 | \$27,973 | \$344 |
| <i>Total Discretionary Spending</i> | <i>\$16,593</i> | <i>\$11,938</i> | <i>(\$4,655)</i> | <i>\$63,316</i> | <i>\$64,241</i> | <i>\$925</i> |
| Total Capital Spending | \$27,839 | \$23,213 | (\$4,627) | \$104,750 | \$107,003 | \$2,253 |

Attachment B

US Electricity Distribution - Rhode Island Plant Additions by Spending Rationale For the Three Months Ending June 30, 2022 (\$000)

| | Plan Year 2023 Target | YTD Actuals | Plan Year 2023 Forecast | % of Target Placed In Service |
|---|--------------------------|-----------------|----------------------------|-------------------------------------|
| Customer Request/Public Requirement | \$27,143 | \$5,531 | \$27,039 | 20% |
| Damage Failure | 15,971 | 3,194 | 16,278 | 20% |
| <i>Subtotal Non-Discretionary</i> | <i>43,114</i> | <i>8,725</i> | <i>43,318</i> | <i>20%</i> |
| Asset Condition (w/Sep Tracked Large Projects) | 48,224 | 5,357 | 45,102 | 11% |
| Non- Infrastructure | 1,427 | 130 | 1,091 | 9% |
| System Cap & Perf (w/Sep Tracked Large Projects) | 12,498 | 2,620 | 12,520 | 21% |
| <i>Subtotal Discretionary</i> | <i>62,150</i> | <i>8,108</i> | <i>58,714</i> | <i>13%</i> |
| Total Plant Additions | \$105,264 | \$16,833 | \$102,031 | 16% |

Attachment C

**US Electricity Distribution - Rhode Island
Vegetation Management O&M Spending
For the Three Months Ending June 30, 2022
(\$000)**

| | Budget | Actual | Forecast | % Spend |
|----------------------------------|-----------------|---------------|-----------------|----------------|
| Cycle Pruning (Base) | \$7,300 | \$95 | \$7,300 | 1% |
| Hazard Tree | 1,750 | 206 | 1,750 | 12% |
| Sub-T (on & off road) | 350 | 1 | 350 | 0% |
| Police/Flagman Details | 775 | 189 | 775 | 24% |
| Pockets of Poor Performance | 200 | 6 | 200 | 3% |
| Core Crew (all other activities) | 1,500 | 246 | 1,500 | 16% |
| Total VM O&M Spending | \$11,875 | \$743 | \$11,875 | 6% |

Enhanced Hazard Tree Mitigation Update

| District | Circuit | Substation | Hazard Tree Removals |
|-----------------|----------------|-------------------|-----------------------------|
| Capital | 49_53_4F1 | Barrington | 44 |
| Coastal | 49_56_52F3 | Warwick | 32 |
| | | | |
| Totals | | | 76 |

Attachment D

US Electricity Distribution - Rhode Island Inspection and Maintenance Program and Other O&M Spending For the Three Months Ending June 30, 2022 (\$000)

| | Plan Year Budget | YTD Actual | Plan Year Forecast | % Spend |
|---|---------------------|---------------|-----------------------|---------|
| Opex Related to Capex | \$540 | \$79 | \$540 | 15% |
| Inspections & Repair Related Costs | \$475 | \$103 | \$475 | 22% |
| System Planning & Protection Coordination Study | \$25 | \$0 | \$0 | 0% |
| VVO/CRV Program | \$224 | \$56 | \$224 | 25% |
| Total I&M Program and Other O&M Spending | \$1,264 | \$238 | \$1,239 | |

Attachment E

US Electricity Distribution - Rhode Island Project Variance Report For the Three Months Ending June 30, 2022 (\$000)

| Project Description | YTD 2023 | | | Plan Year 2023 | | | Variance Cause |
|--|----------------|----------------|------------------|-----------------|-----------------|------------------|--|
| | Budget | Actual | Over / (Under) | Budget | Forecast | Over / (Under) | |
| New Lafayette Substation | \$180 | \$686 | \$506 | \$2,914 | \$1,000 | (\$1,914) | Schedule adjusted due to transmission outage coordination issues. |
| Dyer Street Substation (at South Street) | \$955 | \$1,272 | \$317 | \$3,500 | \$6,722 | \$3,222 | See Attachment G for additional details. |
| Providence Study - Phase 1A | \$1,354 | \$471 | (\$883) | \$1,484 | \$1,721 | \$236 | See Attachment G for additional details. |
| Providence Study - Phase 1B | \$3,388 | \$801 | (\$2,587) | \$16,585 | \$12,701 | (\$3,884) | See Attachment G for additional details. |
| Providence Study - Phase 2-4 | \$168 | \$208 | \$39 | \$1,517 | \$1,517 | \$0 | See Attachment G for additional details. |
| East Providence Substation | \$281 | \$113 | (\$168) | \$2,495 | \$2,810 | \$315 | See Attachment G for additional details. |
| Warren Substation | \$218 | \$80 | (\$138) | \$1,824 | \$1,953 | \$129 | See Attachment G for additional details. |
| Franklin Sq Breaker Replacement | \$6 | \$179 | \$172 | \$1,837 | \$2,100 | \$263 | Carryover from FY22 of breaker installations. |
| 3763 Pole Replacements | \$240 | \$41 | (\$198) | \$1,250 | \$346 | (\$904) | Deferral of a portion of spending to next year due to material delivery dates. Work can't be done in Winter. |
| | \$6,790 | \$3,849 | (\$2,940) | \$33,407 | \$30,869 | (\$2,537) | |

Attachment F

US Electricity Distribution - Rhode Island Damage/Failure Detail by Work Type For the Three Months Ending June 30, 2022 (\$000)

| Operations Description | D-Line Blanket | Property Damage | D-Sub Blanket | Storms | Specifics | Total |
|--|-------------------|--------------------|------------------|--------------|--------------|----------------|
| Engineering/Design/Supervision | \$252 | \$46 | \$0 | \$55 | | \$354 |
| OH Elec Distribution | 1,090 | 244 | | 525 | | 1,860 |
| OH Transformers/Capacitors/Regulators/Meter: | 134 | 12 | | 42 | | 188 |
| Other | 331 | 87 | 11 | 16 | 15 | 461 |
| Outdoor Lighting | 5 | | | | | 5 |
| Substation | | | 141 | | 402 | 543 |
| Switching and Restoration | 26 | 7 | 5 | 1 | | 38 |
| Traffic Control | 56 | 36 | | 13 | | 105 |
| UG Elec Distribution | 723 | 82 | | 13 | | 818 |
| UG Transformers/Capacitors/Regulators/Meter: | 60 | (0) | | 3 | | 63 |
| Total before reclassification | 2,678 | 514 | 158 | 669 | 417 | 4,435 |
| Reclassification adjustment - D/F to A/R | | (100) | | | | (100) |
| Total before reclassification | \$2,578 | \$514 | \$158 | \$669 | \$417 | \$4,335 |

Attachment G

US Electricity Distribution - Rhode Island Separately Tracked Large Projects For the Three Months Ending June 30, 2022

Southeast Substation

Predates Existing Area Study Process
Current Status – Step 4.4 – Design and Execute

| | Actuals & Current Forecast | | ISR Plan Budget | |
|-------------------------------------|---|--------------------------------------|----------------------------|--------------------------------------|
| | Total Project Actuals & Forecast | Total Project Cost Forecast | Total Project Budget | Total Project Cost Forecast |
| <i>(\$ 000's)</i> | | | | |
| Southeast Substation Project | \$549 | \$23,478 | \$223 | \$23,065 |

During the first three months of the Plan Year, capital spending on the Southeast Substation project was \$0.3 million. The Company is forecasting total capital spending of \$0.5 million for the Plan Year. The Dunnell Park substation portion of this project is complete and went into service in March 2021. A significant portion of the distribution line project went into service during FY 2022. The engineering for the Pawtucket #1 Substation project is complete, and building demolition construction will begin in August 2023.

In total, the Company currently expects capital spending to be \$23.5 million for this project as compared with the estimate when sanctioned of \$21.1 million. Additional spending was necessary because of field conditions requiring environmental management of an additional volume of soil; construction site congestion requiring additional resources such as crane and other equipment rentals; increased costs on final civil work at Dunnell Park substation; and the reconfiguration and equipment on the distribution network to avoid reliability issues.

Dyer Street Substation at South Street

Predates Existing Area Study Process
Current Status – Step 4.4 – Design and Execute

| (\$ 000's) | Actuals & Current Forecast | | ISR Plan Budget | |
|---------------------------------------|---|--------------------------|----------------------------|--------------------------|
| | Total | | Total | |
| | Project | | Project | |
| | Actuals & Forecast | Cost Forecast | Budget | Cost Forecast |
| Dyer Street Substation Project | \$6,722 | \$17,100 | \$3,500 | \$16,504 |

During the first three months of the Plan Year, capital spending on the Dyer Street Substation project was \$1.3 million. The Company forecasts total spending of \$6.7 million during the Plan Year.

Costs were shifted from FY 2022 to this year because of the delayed delivery of the metal clad switchgear, delays in permits, and weather. Current year spending relates to installation of metal clad switchgear, transformers, and civil work. Additional costs were incurred related to obstructions encountered during pile drilling. The project is expected to go into service by the end of the Plan Year.

In total, the Company currently expects capital spending to be \$17.1 million compared to the estimate of \$16.7 million when sanctioned. The re-scoped Dyer Street Substation project consists of building an external substation in the vicinity of the South Street Substation. Benefits of building in this area are that the Company does not have to install numerous components including the ground, grid, the substation fence, lighting, and trenching.

Providence Study – Admiral Street Substation - Phase 1A
Providence Area Study Implementation Plan 2016 – 2030 (May 2017)
Current Status – Step 4.4 – Design and Execute

| (\$ 000's) | Actuals & Current Forecast | | ISR Plan Budget | |
|---|---|-----------------|--|-----------------|
| | Total Project Actuals & Forecast | | Total Project Cost Forecast | |
| | Forecast | Forecast | Budget | Forecast |
| Providence Study Projects - Phase 1A | \$1,721 | \$8,680 | \$1,484 | \$8,973 |

During the first three months of the Plan Year, capital spending on Phase 1A of the Providence Study projects was \$0.5 million. For the Plan Year, the Company forecasts total capital spending of \$1.7 million, which includes some labor and contractor charges deferred from FY 2022.

In total, the Company currently expects capital spending of \$8.7 million for this project compared to the \$9.0 million budget presented in the ISR Plan and the estimate of \$10.0 million when sanctioned. The work is currently on schedule to be completed and placed in service this Plan Year.

Providence Study – Admiral Street Substation - Phase 1B
Providence Area Study Implementation Plan 2016 – 2030 (May 2017)
Current Status – Step 4.4 – Final Engineering/Design and Execute

| <i>(\$ 000's)</i> | Actuals & Current Forecast | | ISR Plan Budget | |
|---|---|-----------------------------------|----------------------------|--------------------------|
| | Total Project | Actuals & Forecast | Total Project | Cost Forecast |
| Providence Study Projects - Phase 1B | \$12,701 | \$45,358 | \$16,585 | \$45,366 |

During the first three months of the Plan Year, capital spending on Phase 1B of the Providence Study projects was \$0.8 million. The Company forecasts total capital spending of \$12.7 million against the budget of \$16.6 million. Construction began in April 2022. The reduction in spending during this Plan Year is caused by material purchased in late FY 2022. The reduction during this Plan Year also was caused by manhole installations that were budgeted for this Plan Year that will be deferred to the next Plan Year because of limitations on construction during the winter.

In total, the Company expects capital spending of \$45.3 million for this project compared to the \$45.4 million budget presented in the FY 2023 ISR Plan and \$45.6 million sanctioning amount.

Providence Study – Admiral Street Substation - Phases 2-4
Providence Area Study Implementation Plan 2016 – 2030 (May 2017)
Current Status – Step 4.3 - Develop & Sanction

| <i>(\$ 000's)</i> | Actuals & Current Forecast | | ISR Plan Budget | |
|---|---|--------------------------|--|-----------------|
| | Total Project Actuals & Forecast | Cost Forecast | Total Project Cost Budget | Forecast |
| Providence Study Projects - Phases 2 and 4 | \$1,517 | \$45,169 | \$1,517 | \$33,715 |

During the first three months of the Plan Year, capital spending on Phases 2-4 of the Providence Study projects was \$0.2 million. The Company is forecasting spending of \$1.5 million on these projects this Plan year. Construction is planned for Spring 2023.

In total, the Company currently expects capital spending of \$45.2 million for this project as compared to the \$33.7 million budget presented in the FY 2023 ISR Plan. As discussed in the FY 2022 ISR Plan reporting, estimates for the Knightsville substation and distribution line projects have been revised as the projects progress through the project development phase. The earlier estimates were based on higher level engineering information. Primary drivers with associated increased costs were as follows:

- Duct bank and earthwork increases - \$0.5 million
- Resourcing, labor, and team costs - \$3.3 million
- Contingency, risk, AFUDC, and A&G costs - \$7.1 million

East Providence Substation

East Bay Area Study (August 2015)
Current Status – Step 4.3 - Develop & Sanction

| (\$ 000's) | Actuals & Current Forecast | | ISR Plan Budget | |
|-----------------------------------|---|--------------------------|----------------------------|--------------------------|
| | Total Project | Cost Forecast | Total Project | Cost Forecast |
| Actuals & Forecast | Cost Forecast | Budget | Forecast | |
| East Providence Substation | \$2,810 | \$17,450 | \$2,495 | \$17,025 |

During the first three months of the Plan Year, capital spending on the East Providence Substation project was \$0.1 million, and the Company is forecasting capital spending of \$2.8 million against a budget of \$2.5 million. Engineering and material procurement will take place during the Plan Year, with a full sanction toward the end of the Plan Year.

In total, the Company currently expects capital spending of \$17.5 million for this project compared to the \$17.0 million budget presented in the ISR Plan. This project consists of building a new 115/12.4kV substation in East Providence to relieve heavily loaded distribution feeders, address MWh violations, and provide capacity to supply load growth. This new substation is part of a comprehensive plan that eliminates the need for major upgrades on the 23kV sub-transmission system and the need to build a new 115/23kv station at Mink Street.

Warren Substation

East Bay Area Study (August 2015)
Current Status – Step 4.3 - Develop & Sanction

| <i>(\$ 000's)</i> | Actuals & Current Forecast | | ISR Plan Budget | |
|--------------------------|---|--------------------------|----------------------------|--------------------------|
| | Total | | Total | |
| | Project | | Project | |
| | Actuals & Forecast | Cost Forecast | Budget | Cost Forecast |
| Warren Substation | \$1,953 | \$10,522 | \$1,824 | \$9,685 |

During the first three months of the Plan Year, capital spending on the Warren Substation project was \$0.1 million, and the Company is forecasting capital spending of \$2.0 million. Design and material procurement will take place during the year as well as a full sanction in the winter.

In total, the Company currently expects capital spending of \$10.5 million for this project compared to the \$9.7 million budget presented in the FY 2023 ISR Plan. Forecasted spending was increased for potential flood mitigation. This project will expand the Warren 115/12.47kV substation by adding two new distribution feeders and two 7.2 MVAR station capacitor banks. The new feeders will be routed into Barrington and used to retire the Barrington substation. This expansion project addresses asset and safety concerns at the Barrington substation and is part of a comprehensive plan that eliminates the need for major upgrades on the 23kV sub-transmission system and the need to build a new 115/23kV station at Mink Street.

Tiverton

Tiverton Area Study 33F6

In the Tiverton area, there is currently a DG application that requires the installation of a new feeder, 33F6. This generation site is expected to be in-service late 2022 or early 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

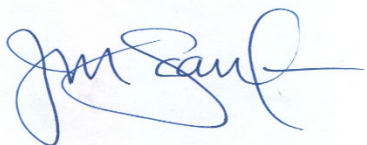
US Electricity Distribution - Rhode Island Meter Purchases For the Three Months Ending June 30, 2022

| Quantity of Meters Purchased | | |
|------------------------------|-------------------------|--------------|
| Type | Description | Quantity |
| METER | CENTRON - 2S 240V CL200 | 960 |
| INSTRUMENT TRANSFORMER | CUR OUTDOOR 15KV | 10 |
| INSTRUMENT TRANSFORMER | CUR OUTDOOR 5/5 15KV | 2 |
| INSTRUMENT TRANSFORMER | CUR OUTDOOR 50/5 15KV | 3 |
| INSTRUMENT TRANSFORMER | CUR OUTDOOR 75/5 15KV | 3 |
| INSTRUMENT TRANSFORMER | CUR OUTDOOR 100/5 15KV | 12 |
| INSTRUMENT TRANSFORMER | 200:5 CAP | 10 |
| | TOTAL | 1,000 |

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

August 15, 2022
Date

**Docket No. 5209 – The Narragansett Electric Company d/b/a Rhode Island Energy
Electric ISR Plan FY 2023
Service List as of 8/15/22**

| Name/Address | E-mail Distribution | Phone |
|--|---|--------------|
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