Docket No. 4780 Ninth Set of Data Requests of the Division of Public Utilities and Carriers to National Grid February 22, 2018

Grid Modernization Initiatives

9-1. Referring to the response to Division 19-15 (Docket 4770), please clarify whether the Company is affirmatively recommending to the Commission that it proceed on a Rhode Island-only basis for all the Grid Modernization initiatives set forth in Chapter 3 of PST-1 (other than DSCADA & ADMS) if the other jurisdictions do not provide assurance of cost recovery for their share of the multi-jurisdictional costs. If not, please explain what the Company is recommending for each initiative.

Response can be found on Bates page(s) 1.

9-2. Was it the Company's intention in filing the PST proposal to be setting forth a menu of choices of Grid Modernization initiatives that leave the decision to go forward or not to the Commission? Or is the Company using its judgment and experience to make affirmative decisions about what is reasonably needed to provide high quality distribution service and recommending affirmative action be taken for the Grid Modernization initiatives? Please explain.

Response can be found on Bates page(s) 2.

9-3. Referring to Bates page 53 of PST-1 and the following statement: "Modern grid operations require increasing granularity, accuracy, and timeliness of data to achieve benefits associated with advanced systems functionality. GIS is the foundation on which many of these systems are built." Is it the Company's understanding that implementing the GIS Data System Enhancements is or will be an important component of providing electric distribution service within the next three years? If not, please explain why not. If yes, please explain why the Company is not simply going forward with the project much like the Company is doing in its gas business for Gas Business Enablement where it did not obtain regulatory approvals prior to advancement.

Response can be found on Bates page(s) 3.

9-4. Does implementing the GIS Data System enhancements without yet commencing implementation of the DSCADA & ADMS project achieve distribution planning, operational, or other benefits prior to implementation of DSCADA & ADMS? If yes, please explain the benefits. If no, please explain why not.

Response can be found on Bates page(s) 4.

9-5. If the Rhode Island Commission directed the Company to implement the GIS Data System Enhancements set forth in Chapter 3 of Power Sector Transformation PST-1, Bates pages 53-56 for the benefit of Rhode Island and the Company implemented the

enhancements, would the GIS system enhancements benefit the Company's distribution affiliates in Massachusetts or New York when implemented? If yes, please identify which affiliates will benefit and how the enhanced system would benefit those affiliates. If no, please explain why not.

Response can be found on Bates page(s) 5.

9-6. Are there Cybersecurity initiatives included in the cost estimate in PST-1 that are so inter-related to other grid modernization initiatives that the Company would recommend that they not be pursued until the related grid modernization initiative(s) are also being implemented? If so, please identify the initiatives that are inter-related. Conversely, are there Cybersecurity initiatives that have value in the context of grid modernization that the Company would recommend proceeding without other grid modernization being implemented? If so, please identify them and explain why they should go forward as self-standing Cybersecurity initiatives.

Response can be found on Bates page(s) 6.

9-7. If the Rhode Island Commission directed the Company to implement the Cybersecurity enhancements for grid modernization set forth in Section 3.7 of PST-1, Bates pages 61-63 for the benefit of Rhode Island and the Company implemented the enhancements, would the Cybersecurity enhancements benefit the Company's distribution affiliates in Massachusetts or New York when implemented? If yes, please identify which affiliates will benefit and how the Cybersecurity enhancements would benefit those affiliates. If no, please explain why not.

Response can be found on Bates page(s) 7.

9-8. Referring to the discussion relating to advanced analytics in Chapter 3 of PST-1, Bates page 58, it states: "The advanced analytics required to efficiently manage a modern grid required processing massive quantities of data from countless data sources. The Company's compute and storage strategy is based on a hybrid sourcing vision. Currently, the Service Company contracts with external service providers for agility and cost efficiency where appropriate. Benefits of cloud computing include: -- Reduced time to provide needed computing resources through administered governance; -- Quicker delivery of applications and business capabilities; -- Ability to dynamically scale/flex computing resources to meet business demand; and – Ability to provide infrastructure at competitive costs." Is it the Company's understanding that implementing the advanced analytics is or will be an important component of providing electric distribution service within the next three years? If not, please explain why not. If yes, please explain why the Company is not simply going forward with advanced analytics much like the Company is doing in its gas business for Gas Business Enablement where it did not obtain regulatory approvals prior to advancement.

Response can be found on Bates page(s) 8.

9-9. If the Rhode Island Commission directed the Company to implement the advanced analytics initiative described in Chapter 3 of PST-1, Bates page 58, for the benefit of Rhode Island and the Company implemented the initiative, would the advanced analytics benefit the Company's distribution affiliates in Massachusetts or New York when implemented? If yes, please identify which affiliates will benefit and how the advanced analytics would benefit those affiliates. If no, please explain why not.

Response can be found on Bates page(s) 9.

9-10. Referring to the response to DIV 19-6 (Docket 4770), the question specifically asked whether "there are any practical impediments to commencing [the System Data Portal project] sooner." The Company did not directly answer this specific question. Yes or no, are there any practical impediments? If yes, please explain.

Response can be found on Bates page(s) 10.

9-11. Referring to the response to DIV 19-7 (Docket 4770), the question specifically asked whether "there are any reasons why the System Data Portal cannot be implemented sooner and the costs included in an amended cost of service filed in Docket 4770 that includes these costs in the revenue requirement for the Rate Year in that case." The Company did not directly answer this specific question. Yes or no, are there any reasons why the costs could not be recovered in the revenue requirement allowed in Docket 4770? If yes, please explain.

Response can be found on Bates page(s) 11.

9-12. Referring to the response to Division 19-18 (Docket 4770), please explain why the Company is not proposing to follow the same sequence, accounting rules, and methods of charging affiliates for the Gas Business Enablement (GBE) costs as described in the response to DIV 19-18 for Grid Modernization initiatives, if Rhode Island or any other jurisdictions declined to approve the prospective costs requested for the GBE program.

Response can be found on Bates page(s) 12.

9-13. Referring to Appendix 10.2 and 10.3 of PST-2, and Attachment DIV 19-18-1 (Docket 4770), page 3 of 3, please explain why there are Capex and O&M costs from Power Sector Transformation being estimated for incurrence by the gas distribution business, in addition to the costs incurred by the electric distribution business.

Response can be found on Bates page(s) 13-59.

9-14. Are the PST costs that would be incurred by the gas distribution business for gas grid mod, as shown in Appendix 10.2 and 10.3 of PST-2 and on page 3 of 3 of Attachment DIV 19-18-1, being proposed for recovery (i) through the electric PST tracker proposed in docket 4780, (ii) through a different PST tracker applicable to the gas business, (iii) within the Gas Business Enablement cost recovery, or (iv) through another means? Please explain.

Response can be found on Bates page(s) 60.

9-15. Referring to Attachment DIV 19-8-1 (Docket 4770), pages 1 through 3, which shows cost incurrence by Fiscal Year for Rhode Island only, please provide a similar estimate showing cost incurrence for all the grid modernization initiatives shown therein as such costs would be incurred in Rate Year 1, assuming each initiative commences on the schedule assumed in DIV 19-8-1.

Response can be found on Bates page(s) 61.

9-16. Referring to Attachment DIV 19-8-2 (Docket 4770), pages 1 through 3, which shows cost incurrence by Fiscal Year for the multi-jurisdictional implementation, please provide an estimate showing cost incurrence for all the grid modernization initiatives shown therein as such costs would be incurred in Rate Year 1, assuming each initiative commences on the schedule assumed in DIV 19-8-2.

Response can be found on Bates page(s) 62.

9-17. Referring to Attachment DIV 19-8-1(Docket 4770), pages 1 through 3, which shows cost incurrence by Fiscal Year for Rhode Island only, please provide a similar estimate showing cost incurrence for all the grid modernization initiatives shown therein as such costs would be incurred in Rate Years 2 and 3, assuming each initiative commences on the schedule assumed in DIV 19-8-1.

Response can be found on Bates page(s) 63.

9-18. Referring to Attachment DIV 19-8-2 (Docket 4770), pages 1 through 3, which shows cost incurrence by Fiscal Year for the multi-jurisdictional implementation, please provide a similar estimate showing cost incurrence for all the grid modernization initiatives shown therein as such costs would be incurred in Rate Years 2 and 3, assuming each initiative commences on the schedule assumed in DIV 19-8-2.

Response can be found on Bates page(s) 64.

Division 9-1

Request:

Referring to the response to Division 19-15 (Docket 4770), please clarify whether the Company is affirmatively recommending to the Commission that it proceed on a Rhode Island-only basis for all the Grid Modernization initiatives set forth in Chapter 3 of PST-1 (other than DSCADA & ADMS) if the other jurisdictions do not provide assurance of cost recovery for their share of the multi-jurisdictional costs. If not, please explain what the Company is recommending for each initiative.

Response:

The Company is not affirmatively recommending to the Public Utilities Commission (PUC) that it proceed on a Rhode Island Only basis for all the Grid Modernization initiatives set forth in Schedule PST-1, Chapter 3 – Modern Grid if the other jurisdictions do not provide assurance of cost recovery for their share of the multi-jurisdictional costs. The Company presented both Rhode Island Only and Multi-Jurisdiction scenarios in the Power Sector Transformation (PST) Plan filing to show the significant synergies possible if the scope and schedule of various projects can be coordinated with similarly proposed initiatives in other jurisdictions. The intent of the Company's PST Plan filing is to seek feedback and input in advance of presenting final recommendations with regard to the proposed investment alternatives. The Company is also seeking findings from the PUC regarding whether the Company's proposed PST Provision may be the mechanism by which the Company recovers the costs of any or all categories of proposed PST Plan investment. Following the conclusion of Docket No 4780, the Company plans to file a comprehensive PST Implementation Plan by December 1, 2018. This plan will make affirmative recommendations to the PUC, including whether to proceed on a Rhode Island Only basis for various projects, based on the Company's judgment, status of proposed initiatives in other jurisdictions, and experience in consideration of the feedback received up to and through Docket No. 4780.

(This response is identical to the Company's response to Division 27-1 in Docket No. 4770.)

Division 9-2

Request:

Was it the Company's intention in filing the PST proposal to be setting forth a menu of choices of Grid Modernization initiatives that leave the decision to go forward or not to the Commission? Or is the Company using its judgment and experience to make affirmative decisions about what is reasonably needed to provide high quality distribution service and recommending affirmative action be taken for the Grid Modernization initiatives? Please explain.

Response:

In developing the Power System Transformation (PST) Plan, the Company has used its judgment and experience to present the portfolio of Grid Modernization initiatives the Company believes are necessary to progress the objectives of the State of Rhode Island. The Company's PST Plan filing identifies that the potential for significant synergies exists concerning the implementation of these initiatives if the scope and schedule of various projects can be coordinated with similarly proposed initiatives in other jurisdictions. In filing the PST Plan, the Company's intent was to seek feedback and input from the Public Utilities Commission (PUC) and other stakeholder parties in advance of presenting final recommendations and decisions with regard to the proposed investment alternatives. The Company has also requested that the PUC make findings regarding whether the Company's proposed PST Provision may be the mechanism by which the Company recovers the costs of any or all categories of proposed PST investments. Following the conclusion of Docket No. 4780 and pending the PUC's approval of the PST Provision, the Company intends to file a single comprehensive PST implementation plan by December 1, 2018. This plan will be based on the Company's judgment and experience, status of proposed initiatives in other jurisdictions, and consideration of the PUC's findings and feedback received through Docket No. 4780.

(This response is identical to the Company's response to Division 27-2 in Docket No. 4770.)

Division 9-3

Request:

Referring to Bates page 53 of PST-1 and the following statement: "Modern grid operations require increasing granularity, accuracy, and timeliness of data to achieve benefits associated with advanced systems functionality. GIS is the foundation on which many of these systems are built." Is it the Company's understanding that implementing the GIS Data System Enhancements is or will be an important component of providing electric distribution service within the next three years? If not, please explain why not. If yes, please explain why the Company is not simply going forward with the project much like the Company is doing in its gas business for Gas Business Enablement where it did not obtain regulatory approvals prior to advancement.

Response:

Chapter 3 of the Company's Power Sector Transformation (PST) Plan provides a holistic view of investments to enable a modern grid; GIS Data Enhancement is an important part of the plan. Presenting these investments as a holistic suite provides clarity and transparency for stakeholders in Rhode Island on the overall investment roadmap and associated cost. Although the GIS enhancements proposed will provide benefits within the next three years and will support the efforts for things such as hosting capacity analysis to be posted on the System Data Portal, the key driver for this initiative is the implementation of an Advanced Distribution Management System (ADMS). The Company is seeking findings from the Public Utilities Commission in Docket No. 4780 regarding whether the Company's proposed PST Provision may be the mechanism by which the Company recovers the costs of any or all categories of proposed PST investment, including GIS Data Enhancement and ADMS.

(This response is identical to the Company's response to Division 27-3 in Docket No. 4770.)

Division 9-4

Request:

Does implementing the GIS Data System enhancements without yet commencing implementation of the DSCADA & ADMS project achieve distribution planning, operational, or other benefits prior to implementation of DSCADA & ADMS? If yes, please explain the benefits. If no, please explain why not.

Response:

Yes. The additional data provided by GIS Data Enhancement will be beneficial for distribution planning, including System Data Portal map creation and other asset management activities that utilize the network model. The increased granularity of data is also critical to successful deployment of an Advanced Distribution Management System.

(This response is identical to the Company's response to Division 27-4 in Docket No. 4770.)

Division 9-5

Request:

If the Rhode Island Commission directed the Company to implement the GIS Data System Enhancements set forth in Chapter 3 of Power Sector Transformation PST-1, Bates pages 53-56 for the benefit of Rhode Island and the Company implemented the enhancements, would the GIS system enhancements benefit the Company's distribution affiliates in Massachusetts or New York when implemented? If yes, please identify which affiliates will benefit and how the enhanced system would benefit those affiliates. If no, please explain why not.

Response:

The GIS Data Enhancement project has two elements. One element upgrades the Company's current GIS system and software to accept and manage new data sets (i.e., GIS Data Enhancement (IS)), and the other element creates, captures, and populates the system with this enhanced data (i.e., GIS Data Enhancement (Non-IS)). If the GIS system and software is upgraded in Rhode Island, then it would provide similar benefits in New York and Massachusetts if the operating companies in those jurisdictions choose to move forward with a program to populate the system with the state-specific information.

(This response is identical to the Company's response to Division 27-5 in Docket No. 4770.)

Division 9-6

Request:

Are there Cybersecurity initiatives included in the cost estimate in PST-1 that are so inter-related to other grid modernization initiatives that the Company would recommend that they not be pursued until the related grid modernization initiative(s) are also being implemented? If so, please identify the initiatives that are inter-related. Conversely, are there Cybersecurity initiatives that have value in the context of grid modernization that the Company would recommend proceeding without other grid modernization being implemented? If so, please identify them and explain why they should go forward as self-standing Cybersecurity initiatives.

Response:

All Cybersecurity initiatives included in the costs estimates in Schedule PST-1 are inter-related to the Grid Modernization and Advanced Meter Functionality (AMF) initiatives presented in Schedule PST-1, Chapter 3 and Chapter 4, respectively. These initiatives only have value in the context of Grid Modernization and AMF being implemented in Rhode Island. The Company recommends that these Cybersecurity initiatives not be pursued until the related Grid Modernization initiative(s) are also implemented. The initiatives proposed will deliver the necessary capability to protect and ensure the resiliency of critical company systems and infrastructure deployed as part of Grid Modernization, such as Smart Meters and Grid Devices. The deferral of Cybersecurity initiatives while the Rhode Island Grid Modernization effort is underway leaves the Company at risk of unauthorized access, malware and virus attacks, external attacks, data leakage and loss, and regulatory non-compliance. These initiatives include the following:

- Network Security Services
- Data Security Services
- Identity & Access Management Services
- Threat and Vulnerability Management Services
- Security Operations Center Services
- Host and Endpoint Security
- Security Policy Management Services
- Cryptography Services
- Change & Configuration Management
- Security Awareness & Training Services
- Application Security Services
- Third Party Assurance Services
- Remote Access Services
- Privacy Services

(This response is identical to the Company's response to Division 27-6 in Docket No. 4770.)

Division 9-7

Request:

If the Rhode Island Commission directed the Company to implement the Cybersecurity enhancements for grid modernization set forth in Section 3.7 of PST-1, Bates pages 61-63 for the benefit of Rhode Island and the Company implemented the enhancements, would the Cybersecurity enhancements benefit the Company's distribution affiliates in Massachusetts or New York when implemented? If yes, please identify which affiliates will benefit and how the Cybersecurity enhancements would benefit those affiliates. If no, please explain why not.

Response:

If the Public Utilities Commission directed the Company to implement the Cybersecurity enhancements for Grid Modernization set forth in Section 3.7 of Schedule PST-1, Chapter 3 – Modern Grid (Bates Pages 61-63 of PST Book 1) for the benefit of Rhode Island and the Company implemented the enhancements, the Cybersecurity enhancement benefits would not benefit the Company's affiliates in Massachusetts or New York. In Section 3.7, "Table 3-20: Cybersecurity Cash Flow Estimate – Rhode Island Only Scenario" illustrates costs for a Rhode Island only deployment. The Cybersecurity enhancements have been scoped to account for necessary capabilities to protect critical company systems and infrastructure in a Rhode Island Only Scenario and do not seek to account for a concurrent initiative in New York or Massachusetts.

(This response is identical to the Company's response to Division 27-7 in Docket No. 4770.)

Division 9-8

Request:

Referring to the discussion relating to advanced analytics in Chapter 3 of PST-1, Bates page 58, it states: "The advanced analytics required to efficiently manage a modern grid required processing massive quantities of data from countless data sources. The Company's compute and storage strategy is based on a hybrid sourcing vision. Currently, the Service Company contracts with external service providers for agility and cost efficiency where appropriate. Benefits of cloud computing include: -- Reduced time to provide needed computing resources through administered governance; -- Quicker delivery of applications and business capabilities; -- Ability to dynamically scale/flex computing resources to meet business demand; and – Ability to provide infrastructure at competitive costs." Is it the Company's understanding that implementing the advanced analytics is or will be an important component of providing electric distribution service within the next three years? If not, please explain why not. If yes, please explain why the Company is not simply going forward with advanced analytics much like the Company is doing in its gas business for Gas Business Enablement where it did not obtain regulatory approvals prior to advancement.

Response:

Advanced Analytics is an important part of providing electric distribution service now and within the next three years. The Company currently performs analytics on the data currently available. The advanced analytics platform envisioned in the Power Sector Transformation (PST) Plan are associated with utilization of the new data streams from the grid monitoring sensors, advanced meter functionality (AMF), and advanced distribution management system (ADMS) elements of PST Plan. The Company is seeking findings from the Public Utilities Commission in Docket No. 4780 regarding whether the Company's proposed PST Provision may be the mechanism by which the Company recovers the costs of any or all categories of proposed PST investment, including Advanced Analytics, Grid Monitoring Sensors, AMF, and ADMS.

Chapter 3 of the Company's PST Plan provides a holistic view of investments to enable a modern grid; Advanced Analytics is an important part of the plan. Presenting these investments as a holistic suite provides clarity and transparency for stakeholders in Rhode Island on the overall investment roadmap and associated cost.

(This response is identical to the Company's response to Division 27-8 in Docket No. 4770.)

Division 9-9

Request:

If the Rhode Island Commission directed the Company to implement the advanced analytics initiative described in Chapter 3 of PST-1, Bates page 58, for the benefit of Rhode Island and the Company implemented the initiative, would the advanced analytics benefit the Company's distribution affiliates in Massachusetts or New York when implemented? If yes, please identify which affiliates will benefit and how the advanced analytics would benefit those affiliates. If no, please explain why not.

Response:

If the Public Utilities Commission directed the Company to implement the Advanced Analytics initiative described in Schedule PST-1, Chapter 3 – Modern Grid (Bates Page 58 of PST Book 1) for the benefit of Rhode Island and the Company implemented the initiative, the Advanced Analytics benefits would not benefit the Company's affiliates in Massachusetts or New York. In Section 3.5, "Table 3-14: Advanced Analytics Cash Flow Estimate – Rhode Island Only Scenario" illustrates costs for a Rhode Island only deployment (Bates Page 59 of PST Book 1). The Rhode Island-Only Advanced Analytics work has been scoped to account for necessary capabilities in a Rhode Island Only Scenario and does not seek to account for a concurrent initiative in New York or Massachusetts.

(This response is identical to the Company's response to Division 27-9 in Docket No. 4770.)

Division 9-10

Request:

Referring to the response to DIV 19-6 (Docket 4770), the question specifically asked whether "there are any practical impediments to commencing [the System Data Portal project] sooner." The Company did not directly answer this specific question. Yes or no, are there any practical impediments? If yes, please explain.

Response:

No. The Company is already planning to "commence" the System Data Portal work in Fiscal Year 2019 in accordance with the Company's System Reliability Procurement (SRP) plan. Progressing the System Data Portal project sooner, beyond the scope of the SRP, is limited by the Company's ability to secure and train the human resources necessary to perform the additional work.

(This response is identical to the Company's response to Division 27-10 in Docket No. 4770.)

Division 9-11

Request:

Referring to the response to DIV 19-7 (Docket 4770), the question specifically asked whether "there are any reasons why the System Data Portal cannot be implemented sooner and the costs included in an amended cost of service filed in Docket 4770 that includes these costs in the revenue requirement for the Rate Year in that case." The Company did not directly answer this specific question. Yes or no, are there any reasons why the costs could not be recovered in the revenue requirement allowed in Docket 4770? If yes, please explain.

Response:

No. If the Public Utilities Commission finds that the costs of the System Data Portal would be more appropriately recovered through base distribution rates, and there is a mechanism for including the initial set up and the on-going costs for the portal in Docket No. 4770 at this stage in the rate case process, the Company does not see any reason why this could not be achieved.

The Company would note, however, that he System Data Portal, along with the rest of the investments in Schedule PST-1, Chapter 3 – Modern Grid of the Company's Power Sector Transformation (PST) Plan, provides a holistic view of investments to enable a modern grid; the System Data Portal is an important part of the PST Plan. Presenting these investments as a holistic suite provides clarity and transparency for stakeholders in Rhode Island on the overall investment roadmap and associated costs. For these reasons, the Company submits that these costs should be recovered through the PST Provision.

(This response is identical to the Company's response to Division 27-11 in Docket No. 4770.)

Division 9-12

Request:

Referring to the response to Division 19-18 (Docket 4770), please explain why the Company is not proposing to follow the same sequence, accounting rules, and methods of charging affiliates for the Gas Business Enablement (GBE) costs as described in the response to DIV 19-18 for Grid Modernization initiatives, if Rhode Island or any other jurisdictions declined to approve the prospective costs requested for the GBE program.

Response:

The Company's response to Division 19-18 in this proceeding was provided consistent with the premise outlined in the request that a standalone Rhode Island Power Sector Transformation (PST) project, originally designed to benefit only Rhode Island customers, was in the future utilized by the Company's affiliates in New York and Massachusetts. This is a different scenario than the Gas Business Enablement Program.

From its inception, the Gas Business Enablement Program was designed as a centralized framework of core front office technology solutions for National Grid's US work, asset, and data management and scheduling solutions coupled with standardized business process changes that will be used by the Rhode Island, New York, and Massachusetts operating companies. The program was designed as a holistic transformation of National Grid's US gas business to replace, update, consolidate, and simplify aging and disparate systems to, among other things, strengthen operational and safety performance and build a platform that supports future growth and customer demands. The Gas Business Enablement Program has been fully scoped and functionality and capabilities will be implemented on a phased approach beginning with Rhode Island in April 2018, followed by Massachusetts, and thereafter New York. Under this phased implementation model, each affiliate company will only begin to incur rental expense on cumulative capital investment, once functionality for a given solution is placed into service.

In contrast, the Grid Modernization projects have been shaped in response to transformation efforts in multiple jurisdictions. These projects are still in their conceptual stages and have been presented in each jurisdiction for review and/or approval considering the varying regulatory schedules. At this point, the scope of these projects can still be increased or decreased in accordance with Public Utilities Commission approvals. Although these projects could be used in the future by other operating companies, at this time they are presented as localized Rhode Island-only projects. As Rhode Island-only projects, project costs will be allocated solely to Rhode Island and would only be reallocated if and when those projects were used by the Company's other affiliates.

(This response is identical to the Company's response to Division 27-12 in Docket No. 4770.)

Division 9-13

Request:

Referring to Appendix 10.2 and 10.3 of PST-2, and Attachment DIV 19-18-1 (Docket 4770), page 3 of 3, please explain why there are Capex and O&M costs from Power Sector Transformation being estimated for incurrence by the gas distribution business, in addition to the costs incurred by the electric distribution business.

Response:

The Company received clarification from the Division of Public Utilities and Carriers that this request relates to Attachment DIV 19-8-1 as opposed to Attachment DIV 19-18-1 as stated, and is responding accordingly.

The capital expenditure and operating and maintenance costs allocated to Narragansett Gas, as shown in Attachment DIV 19-8-1, Page 3 of 96, represent the portion of the Enterprise Service Bus, Data Lake, Advanced Analytics, Telecommunications, and Cybersecurity projects that will benefit Narragansett Gas in addition to Narragansett Electric. For example, some benefits that will accrue to both Narragansett Gas and Narragansett Electric include increased accuracy, consistency, and timely access to data enabling better decision making; robust analytics and reporting capabilities (e.g., predictive analytics, scenario analysis); improved data quality and integrity; protection of sensitive customer personally identifiable information (PII) and energy usage information; and ensure a resilient backbone of security services that can protect the reliable, flexible electric and gas services provided to all customers.

The Company inadvertently allocated a portion of the DSCADA and PI Historian costs to Narragansett Gas. Please see Attachment DIV 9-13-1 through Attachment DIV 9-13-3 (Rhode Island Only scenario) and Attachment DIV 9-13-4 through Attachment DIV 9-13-6 (Multi-Jurisdiction scenario) for the correction to the revenue requirement for the DSCADA and PI Historian initiatives, which are properly allocated to Narragansett Electric only.

(This response is identical to the Company's response to Division 27-13 in Docket No. 4770.)

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THE NARRAGANSETT ELECTRIC COMPANY
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Appendix 10.2 - Grid Mod Stand Alone
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The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Rhode Island Renewable Energy Grid Mod Projects Annual Revenue Requirement Summary - RI Only

Line No.			Six Months Ended March 31, 2019	PST Year Ending March 31, 2020	PST Year Ending March 31, 2021	PST Year Ending March 31, 2022
		Capex - Electric				
1	Feeder Monitoring Sensor		\$0	\$26,261	\$92,520	\$157,314
2	RTU Separation		\$0	\$30,709	\$129,979	\$218,855
3	Combined Capex Total		\$0	\$56,970	\$222,499	\$376,169
		IS Capex - Electric & Gas				
4	Enterprise Service Bus		\$0	\$0	\$0	\$1,769,092
5	Data Lake		\$0	\$152,041	\$290,178	\$268,357
6	PI Historian		\$0	\$49,190	\$93,881	\$86,821
7	Advanced Analytics		\$0	\$515,564	\$1,586,465	\$2,434,763
8	Telecommunications		\$0	\$33,157	\$80,181	\$107,872
9	Cybersecurity		\$0	\$1,509,936	\$3,630,479	\$4,594,897
10	DSCADA		\$0	\$0	\$0	\$0
11	IS Capex Total		\$0	\$2,259,887	\$5,681,184	\$9,261,803
		O&M - Electric & Gas				
12	Enterprise Service Bus		\$0	\$801,000	\$1,952,000	\$2,047,000
13	Data Lake		\$0	\$843,000	\$1,214,000	\$1,642,000
14	PI Historian		\$0	\$52,000	\$2,052,000	\$2,052,000
15	Advanced Analytics		\$0	\$108,000	\$1,349,000	\$1,589,000
16	Telecommunications		\$0	\$0	\$1,950,000	\$2,925,000
17	Cybersecurity		\$0	\$8,371,000	\$4,224,000	\$3,368,000
18	DSCADA		\$0	\$436,000	\$0	\$90,000
19	Feeder Monitoring Sensor		\$0	\$0	\$5,000	\$10,000
20	RTU Separation		\$0	\$60,000	\$60,000	\$60,000
21	GIS Data Enhancement (BR)		\$0	\$0	\$1,028,000	\$1,028,000
22	GIS Data Enhancement (IS)		\$3,049,000	\$0	\$0	\$0
23	System Data Portal		\$0	\$700,000	\$700,000	\$700,000
24	O&M Total		\$3,049,000	\$11,371,000	\$14,534,000	\$15,511,000
25	Total Revenue Requirement		\$3,049,000	\$13,687,858	\$20,437,682	\$25,148,972

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC Docket No. 4780
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THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC Docket No. 4780
Appendix 10.2 - Grid Mod Stand Alone
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The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Rhode Island Renewable Energy Electric Grid Mod Projects Annual Revenue Requirement Summary - RI Only

Line No.			Six Months Ended March 31, 2019	PST Year Ending March 31, 2020	PST Year Ending March 31, 2021	PST Year Ending March 31, 2022
		Electric Capex				
1	Feeder Monitoring Sensor		\$0	\$26,261	\$92,520	\$157,314
2	RTU Separation		\$0	\$30,709	\$129,979	\$218,855
3	Electric Capex Total		\$0	\$56,970	\$222,499	\$376,169
		IS Capex - Electric Only				
4	Enterprise Service Bus		\$0	\$0	\$0	\$1,146,195
5	Data Lake		\$0	\$98,507	\$188,006	\$173,869
6	PI Historian		\$0	\$49,190	\$93,881	\$86,821
7	Advanced Analytics		\$0	\$334,034	\$1,027,871	\$1,577,483
8	Telecommunications		\$0	\$21,482	\$51,949	\$69,890
9	Cybersecurity		\$0	\$978,288	\$2,352,188	\$2,977,034
10	DSCADA		\$0	\$0	\$0	\$0
11	Electric IS Capex Total		\$0	\$1,481,501	\$3,713,894	\$6,031,292
		O&M - Electric Only				
12	Enterprise Service Bus		\$0	\$518,968	\$1,264,701	\$1,326,251
13	Data Lake		\$0	\$546,180	\$786,551	\$1,063,852
14	PI Historian		\$0	\$52,000	\$2,052,000	\$2,052,000
15	Advanced Analytics		\$0	\$69,973	\$874,017	\$1,029,513
16	Telecommunications		\$0	\$0	\$1,263,405	\$1,895,108
17	Cybersecurity		\$0	\$5,423,571	\$2,736,730	\$2,182,127
18	DSCADA		\$0	\$436,000	\$0	\$90,000
19	Feeder Monitoring Sensor		\$0	\$0	\$5,000	\$10,000
20	RTU Separation		\$0	\$60,000	\$60,000	\$60,000
21	GIS Data Enhancement (BR)		\$0	\$0	\$1,028,000	\$1,028,000
22	GIS Data Enhancement (IS)		\$3,049,000	\$0	\$0	\$0
23	System Data Portal		\$0	\$700,000	\$700,000	\$700,000
24	Electric O&M Total		\$3,049,000	\$7,806,692	\$10,770,403	\$11,436,851
25	Total Electric Revenue Requirement		\$3,049,000	\$9,345,163	\$14,706,796	\$17,844,312

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The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Rhode Island Renewable Energy Gas Grid Mod Projects Annual Revenue Requirement Summary - RI Only

Line No.	-	Six Months Ended March 31, 2019	PST Year Ending March 31, 2020	PST Year Ending March 31, 2021	PST Year Ending March 31, 2022
	Gas Capex				
1	Feeder Monitoring Sensor	\$0	\$0	\$0	\$0
2	RTU Separation	\$0	\$0	\$0	\$0
3	Gas Capex Total	\$0	\$0	\$0	\$0
	IS Capex - Gas On	ly			
4	Enterprise Service Bus	\$0	\$0	\$0	\$622,897
5	Data Lake	\$0	\$53,534	\$102,172	\$94,489
6	PI Historian	\$0	\$0	\$0	\$0
7	Advanced Analytics	\$0	\$181,530	\$558,594	\$857,280
8	Telecommunications	\$0	\$11,674	\$28,232	\$37,982
9	Cybersecurity	\$0	\$531,649	\$1,278,292	\$1,617,863
10	DSCADA	\$0	\$0	\$0	\$0
11	Gas IS Capex Total	\$0	\$778,387	\$1,967,289	\$3,230,511
	O&M - Gas Only				
12	Enterprise Service Bus	\$0	\$282,032	\$687,299	\$720,749
13	Data Lake	\$0	\$296,820	\$427,449	\$578,148
14	PI Historian	\$0	\$0	\$0	\$0
15	Advanced Analytics	\$0	\$38,027	\$474,983	\$559,487
16	Telecommunications	\$0	\$0	\$686,595	\$1,029,893
17	Cybersecurity	\$0	\$2,947,429	\$1,487,270	\$1,185,873
18	DSCADA	\$0	\$0	\$0	\$0
19	Feeder Monitoring Sensor	\$0	\$0	\$0	\$0
20	RTU Separation	\$0	\$0	\$0	\$0
21	GIS Data Enhancement (BR)	\$0	\$0	\$0	\$0
22	GIS Data Enhancement (IS)	\$0	\$0	\$0	\$0
23	System Data Portal	\$0	\$0	\$0	\$0
24	Gas O&M Total	\$0	\$3,564,308	\$3,763,597	\$4,074,149
25	Total Gas Revenue Requirement	\$0	\$4,342,695	\$5,730,886	\$7,304,660

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Grid Mod RI Only - DSCADA & ADMS Annual Revenue Requirement Summary

Line <u>No.</u>	Floring of a William (ONE)		Fiscal Year March 31 (a)	, 2019	Fiscal Year Ending March 31, 2020 (b)	Fiscal Year Ending March 31, 2021 (c)		al Year Ending arch 31, 2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:					r.		
1	System Data Portal		S	-	\$ -	\$ -	\$	-
2	Feeder Monitoring Sensors		S S	-	\$ -	\$ -	S	-
3	RTU Separation		-	-	\$ -	\$ -	\$	-
4	GIS Data Enhancement		S	-	\$ -	\$ -	\$	-
5	DSCADA & ADMS		s	-	\$ 436,000	\$ -	\$	90,000
6	GIS Data Enhancement		S	-	\$ -	s -	\$	-
7	Enterprise Service Bus		S	-	\$ -	\$ -	\$	-
8	Data Lake		\$	-	\$ -	\$ -	\$	-
9	PI Historian		\$	-	\$ -	\$ -	\$	-
10	Advanced Analytics		\$	-	\$ -	s -	\$	-
11	Telecommunications		\$	-	\$ -	\$ -	\$	-
12	Cybersecurity		\$	-	\$ -	\$ -	\$	-
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$	-	\$ 436,000	\$ -	\$	90,000
	G G (111) ((011) F							
	Gas Operation and Maintenance (O&M) Expenses:						_	
14	DSCADA & ADMS		s	-	\$ -	\$ -	\$	-
15	GIS Data Enhancement		\$	-	\$ -	s -	\$	-
16	Enterprise Service Bus		\$	-	\$ -	\$ -	\$	-
17	Data Lake		S	-	\$ -	\$ -	\$	-
18	PI Historian		\$	-	\$ -	\$ -	\$	-
19	Advanced Analytics		\$	-	\$ -	\$ -	\$	-
20	Telecommunications		S	-	\$ -	\$ -	\$	-
21	Cybersecurity		\$	-	\$ -	\$ -	\$	-
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$	-	\$ -	\$ -	\$	-
23	Total O&M Expenses	Line 13 + Line 22	\$	_	\$ 436,000	s -	\$	90,000
24	Electric Capital Investment:							
25	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment				\$0	\$0		\$0
26	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2021 Capital Investment					\$0		\$0
27	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2022 Capital Investment							\$0
28	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through 27		-	\$0	\$0		\$0
29	Gas Capital Investment:							
30	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment				\$0	\$0		\$0
31					30	\$0		\$0 \$0
32	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2021 Capital Investment					50		\$0 \$0
32	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2022 Capital Investment							\$0
33	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 30 through 32		-	\$0	\$0		\$0
34	Total Electric Revenue Requirement	Line 13 + Line 28		-	\$436,000	\$0		\$90,000
35	Total Gas Revenue Requirement	Line 22 + Line 33		-	\$0	\$0		\$0
36	Total Electric & Gas Revenue Requirement	Line 34 + Line 35			\$ 436,000	\$ -	\$	90,000
								,

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Attachment DIV 9-13-2

THE NARRAGANSETT ELECTRIC COMPANY

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THE NARRAGANSETT ELECTRIC COMPANY

THE NARKAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2020 RI Only Grid Mod - DSCADA & ADMS Electric

Forder Mentine Sensers	Line No.			Fiscal Year Ending March 31, 2020 (a)	Fiscal Year Ending March 31, 2021 (b)	Fiscal Year Ending March 31, 2022 (c)
RTU Separation		Estimated Capital Investment		(a)	(0)	(6)
DisCADA, & ADMS						\$0 \$0
Depreciable Net Capital Included in Rate Base Line 4		*		**		\$0
Total Allowed Cupital Incidude in Rate Base in Current Year Line 4	4	Total Estimated Capital Investment	Line 1 + Line 2 + Line 3	\$0	\$0	\$0
Retirements			** 4			
Net Depreciable Capital Included in Rate Base Column (a) = Line 4 - Line 5; Column (b and c) = Prior Year Line 6 \$0 \$0 \$0 \$0 \$0 \$0 \$0						
Capital Included in Rate Base						\$0
Tax Degrees Tax Degree Tax Depreciation Total Net Plant in Service Including Cost of Removal Line 7 + Line 9 \$0 \$0 \$0 \$0 \$0 \$0 \$0		Change in Net Capital Included in Rate Base				
	8	Capital Included in Rate Base	Line 4	\$0	\$0	\$0
Tax Depreciation	9	Cost of Removal		\$0	\$0	\$0
1	10	Total Net Plant in Service Including Cost of Removal	Line 7 + Line 9	\$0	\$0	\$0
Page 3 of 10, Line 21		Tax Depreciation				
Some Prior Year Line 12 + Current Year Line 13 Some Some	11	Vintage Year Tax Depreciation:				
Rook Depreciation As filed per R.I.P.U.C. Docket No. 4770 14.29% 14						
As filed per RI.P.U.C. Docket No. 4770	13	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11	\$0	\$0	\$0
Social Description Column (a) = Line 1 * Line 13 * 50% ; Column (b and c) = Line 1 * Line 13 Social S						44.000
Cumulative Book Depreciation						
	17	Total Cumulative Book Depreciation	Line 16	\$0	\$0	\$0
Effective Tax Rate						
Deferred Tax Reserve			Line 13 - Line 17			
Col (a) = Page 8 of 10, Line 40; Col (b) = Page 9 of 10, Line 40; Col (c) = Page Sol 10, Line 40; Li			Ti 10 #Ti 10			
Col (a) = Page 8 of 10, Line 40; Col (b) = Page 9 of 10, Line 40; Col (c) = Page 2 of 10, Line 40; Col (c) = Page 3 of 10, Line 40; Col (c) = Page 40; Col			Line 18 * Line 19			
Rate Base Calculation:		Essi I I Essi I della NoE	Col (a) = Page 8 of 10, Line 40; Col (b) = Page 9 of 10, Line 40; Col (c) = Page	•	*	
Rate Base Calculation: 24 Cumulative Incremental Capital Included in Rate Base Line 10 S - S - S S - S 25 Accumulated Depreciation -Line 17 S0 S0 S0 26 Deferred Tax Reserve -Line 23 S0 S0 S0 27 Year End Rate Base Sum of Lines 24 through 26 S - S S0 S0 28 Revenue Requirement Calculation: 28 Average Rate Base 29 + Current Year Line 29 ÷ 2; Column (b and c) = (Prior Year Line 29 + 2) 28 Average Rate Base 29 + Current Year Line 39) ÷ 2 S0 S0 S0 30 Return and Taxes Line 28 * Line 29 S0 S0 S0 31 Book Depreciation Line 15 - Line 18 S0 S0 S0 32 Property Taxes Tax Rate 3.176% MAL-7 - Columns (b & c) Line 9 * 3.176% S0 S0 S0 30 S0 S0 S0 S0 31 S0 S0 S0 S0 S0 32 Property Taxes Tax Rate 3.176% MAL-7 - Columns (b & c) Line 9 * 3.176% S0 S0 S0 32 S0 S0 S0 S0 S0 S0 34 S0 S0 S0 S0 S0 S0 35 S0 S0 S0 S0 S0 S0 36 S0 S0 S0 S0 S0 S0 37 S0 S0 S0 S0 S0 S0 38 S0 S0 S0 S0 S0 S0 39 S0 S0 S0 S0 S0 S0 30 S0 S0 S0 S0 S0 S0 30 S0 S0 S0 S0 S0 S0 30 S0 S0 S0 S0 S0 S0 31 S0 S0 S0 S0 S0 S0 S0 S						
Cumulative Incremental Capital Included in Rate Base	23	Net Deferred Tax Reserve	Sum of Lines 20 through 22	\$0	\$0	\$0
Accumulated Depreciation					_	_
Deferred Tax Reserve F.Line 23 S0 S0 S0						
Sum of Lines 24 through 26 S - \$0 \$0 Revenue Requirement Calculation: Column (a) = Current Year Line 29 + 2; Column (b and c) = (Prior Year Line 29 + 2) 28 Average Rate Base 29 + Current Year Line 39) + 2 \$0						
Column (a) = Current Year Line 29 + 2; Column (b and c) = (Prior Year Line 29 + 2) S0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						\$0
28 Average Rate Base 29 + Current Year Line 39) = 2 \$0 \$0 \$0 29 Pre-Tax ROR 1 8.80% 8.80% 8.80% 30 Return and Taxes \$0 \$0 \$0 \$0 31 Book Depreciation \$1 \text{Line 15 - Line 18} \$0 \$0 \$0 32 Property Taxes Tax Rate 3.176% MAL-7 - Columns (b & c) Line 9 * 3.176% \$0 \$0 \$0		Revenue Requirement Calculation:				
29 Pre-Tax ROR 1/ 8.80% 8.80% 8.80% 30 Return and Taxes Line 28 * Line 29 \$0 \$0 \$0 31 Book Depreciation Line 15 - Line 18 \$0 \$0 \$0 32 Property Taxes Tax Rate 3.176% MAL-7 - Columns (b & c) Line 9 * 3.176% \$0 \$0 \$0						_
30 Return and Taxes Line 28 * Line 29 \$0 \$0 \$0 31 Book Depreciation Line 15 - Line 18 \$0 \$0 \$0 32 Property Taxes Tax Rate 3.176% MAL-7 - Columns (b & c) Line 9 * 3.176% \$0 \$0 \$0						
31 Book Depreciation Line 15 - Line 18 \$0 \$0 \$0 32 Property Taxes Tax Rate 3.176% MAL-7 - Columns (b & c) Line 9 * 3.176% \$0 \$0 \$0						
32 Property Taxes Tax Rate 3.176% MAL-7 - Columns (b & c) Line 9 * 3.176% \$0 \$0 \$0						
Annual Revenue Requirement Sum of Lines 30 through 32 \$0 \$0	32	Property Taxes	Tax Rate 3.176% MAL-7 - Columns (b & c) Line 9 * 3.176%	\$0	\$0	\$0
	33	Annual Revenue Requirement	Sum of Lines 30 through 32	\$0	\$0	\$0

1/ Weighted Ave	rage Cost of Capital as fi	le in R.I.P.U.C. Docket	No. 4770, Schedule MAL-1-EI	LEC

	Ratio	Rate	Rate	1 axcs	rectuiii
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST)

Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2020 Electric Capital Investments RI Only Grid Mod - DSCADA & ADMS Electric

No. 1 2	<u>Capital Repairs Deduction</u> Plant Additions		(a)	(b)	
-				(-)	(c)
-	Plant Additions	Page 2 of 10, Line 4	\$0		
2	C AIR I DI A DI	,			
3	Capital Repairs Deduction Rate	Per Tax Department Line 1 * Line 2	9.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 100%	75.00%		
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	75,00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$0		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0
19	FY20 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 10, Line 9	\$0	50	40
20	Cost of Admir-tal	1 age 2 of 10, Ellie)			
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$0	\$0	\$0

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THE NARRAGANSETT ELECTRIC COMPANY

d/b/a NATIONAL GRID RIPUC Docket No. 4780 Appendix 10.2 - Grid Mod Stand Alone

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2021 RI Only Grid Mod - DSCADA & ADMS Electric

Line <u>No.</u>			Fiscal Year Ending March 31, 2021	Fiscal Year Ending March 31, 2022
			(a)	(b)
	Estimated Capital Investment			
1	Feeder Monitor Sensors		\$0	
2	RTU Separation		\$0	
3	DSCADA & ADMS	** 1.** 0.** 0	\$0	
4	Total Estimated Capital Investment	Line 1 + Line 2 + Line 3	\$0	\$0
_	Depreciable Net Capital Included in Rate Base	T: 4	60	\$0
5 6	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 4 Line 4 * 0%	\$0 \$0	\$(
7	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$0	\$(
	Change in Net Capital Included in Rate Base			
8	Capital Included in Rate Base	Line 4	\$0	\$0
9	Cost of Removal		\$0	\$0
10	Total Net Plant in Service Including Cost of Removal	Line 7 + Line 9	\$0	\$0
	Tax Depreciation			
11	Vintage Year Tax Depreciation:			
12	FY 2021 Spend	Page 5 of 10, Line 21	\$0	\$0
13	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11	\$0	\$0
	Book Depreciation			
14	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%
15	Book Depreciation	Column (a) = Line 1 * Line 13 * 50%; Column (b) = Line 1 * Line 13	\$0	\$0
16	Cumulative Book Depreciation	Prior Year Line 15 + Current Year Line 14	\$0	\$0
17	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.09%	2.09%
18	Book Depreciation	Column (a) = Line 2 * Line 16 * 50%; Column (b) = Line 2 * Line 16 Prior Year Line 18 + Current Year Line 17	\$0 \$0	\$0 \$0
19	Cumulative Book Depreciation		20	
20	Total Cumulative Book Depreciation	Line 19 + Line 16	\$0	\$0
	Deferred Tax Calculation:			
21 22	Cumulative Book / Tax Timer Effective Tax Rate	Line 13 - Line 20	\$0 21.00%	\$0 21.00%
23	Deferred Tax Reserve	Line 21 * Line 22	\$0	\$0
24	Less: FY 2021 Federal NOL	Ellic 21 Ellic 22	\$0	\$0 \$0
25	Less: Proration Adjustment	Col (a) = Page 9 of 10, Line 40; Col (b) = Page 10 of 10, Line 40	\$0	\$0
26	Net Deferred Tax Reserve	Sum of Lines 23 through 25	\$0	\$0
	Rate Base Calculation:			
27	Cumulative Incremental Capital Included in Rate Base	Line 10	\$ -	\$0
28	Accumulated Depreciation	- Line 20	\$0	\$0
29 30	Deferred Tax Reserve Year End Rate Base	- Line 26 Sum of Lines 27 through 29	\$0 \$	\$0 \$0
	Revenue Requirement Calculation:			
		Column (a) = Current Year Line 29 ÷ 2; Column (b) = (Prior Year Line 29		
31	Average Rate Base	+ Current Year Line 29) ÷ 2	\$0.00	\$0
32	Pre-Tax ROR	1	8.80%	8.80%
33	Return and Taxes	Line 31 * Line 32	\$0	\$0
34	Book Depreciation	Line 15 + Line 18	\$0	\$0
35	Property Taxes	Tax Rate 3.176% MAL-7 - Columns (b) Line 9 * 3.176%	\$0	\$0
36	Annual Revenue Requirement	Sum of Lines 33 through 35	\$0	\$0
36	Annual Revenue Requirement 1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket N.		\$0	

Ratio

48.47%

0.45%

0.11%

50.97%

100.00%

Long Term Debt Short Term Debt

Preferred Stock

Common Equity

Rate

4.69%

1.76%

4.50%

10.10%

Taxes

2.27%

0.01%

0.00%

5.15%

7.43%

Return

2.27%

0.01%

0.00%

6.52% 8.80%

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2021 Electric Capital Investments RI Only Grid Mod - DSCADA & ADMS Electric

Line No.			Fiscal Year Ending March 31, 2021 (a)	Fiscal Year Ending March 31, 2022 (b)
	Capital Repairs Deduction			
1	Plant Additions	Page 4 of 10, Line 4	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$0	
14	Less Capital Repairs Deduction	Line 3	\$0	
15	Less Bonus Depreciation	Line 12	\$0	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 4 of 10, Line 9	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0	\$0

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2022 RI Only Grid Mod - DSCADA & ADMS Electric

Line			Fiscal Year Ending
No.			March 31, 2022
	Estimated Capital Investment		(a)
1	Feeder Monitor Sensors		\$0
2	RTU Separation		\$0
3	DSCADA & ADMS		\$0
4	Total Estimated Capital Investment	Line 1 + Line 2 + Line 3	\$0
	Depreciable Net Capital Included in Rate Base		
5	Total Allowed Capital Included in Rate Base in Current Year	Line 4	\$0
6	Retirements	Line 4 * 0%	\$0
7	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5	\$0
	Change in Net Capital Included in Rate Base		
8	Capital Included in Rate Base	Line 4	\$0
9	Cost of Removal		\$0
10	Total Net Plant in Service Including Cost of Removal	Line 7 + Line 9	\$0
	Tax Depreciation		
11	Vintage Year Tax Depreciation:		
12	FY 2022 Spend	Page 7 of 10, Line 21	\$0
13	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 13	\$0
	Book Depreciation		
14	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	14.29%
15	Book Depreciation	Column (a) = Line 1* Line 13 * 50%	\$0
16	Cumulative Book Depreciation	Current Year Line 14	\$0
17	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.09%
18	Book Depreciation	Column (a) = Line 2* Line 16 * 50%	\$0
19	Cumulative Book Depreciation	Current Year Line 16	\$0
20	Total Cumulative Book Depreciation	Line 16 + Line 19	\$0
	Deferred Tax Calculation:		
21	Cumulative Book / Tax Timer	Line 13 - Line 20	\$0
22	Effective Tax Rate		21.00%
23	Deferred Tax Reserve	Line 21 * Line 22	\$0
24	Less: FY 2022 Federal NOL		\$0
25	Less: Proration Adjustment	Col (a) = Page 10 of 10, Line 40	\$0
26	Net Deferred Tax Reserve	Sum of Lines 23 through 25	\$0
	Rate Base Calculation:		
27	Cumulative Incremental Capital Included in Rate Base	Line 10	\$ -
28	Accumulated Depreciation	- Line 20	\$0
29	Deferred Tax Reserve	- Line 26	\$0
30	Year End Rate Base	Sum of Lines 27 through 29	\$ -
	Revenue Requirement Calculation:		
31	Average Rate Base	Column (a) = Current Year Line $29 \div 2$	\$0
32	Pre-Tax ROR		1/ 8.80%
33	Return and Taxes	Line 31 * Line 32	\$0
34 35	Book Depreciation Property Taxes	Line 15 + Line 18 Tax Rate 3.176% MAL-7	\$0 \$0
36	Annual Revenue Requirement	Sum of Lines 33 through 35	\$0

1/	Weighted Average	Cost of Capital as fil	le in R.I.P.U.C.	Docket No. 4770	, Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Attachment DIV 9-13-2

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Appendix 10.2 - Grid Mod Stand Alone Page 7 of 10

THE NARRAGANSETT ELECTRIC COMPANY

			Fiscal Year Ending
Line			March 31, 2022
No.			(a)
	Capital Repairs Deduction		
1	Plant Additions	Page 6 of 10, Line 4	\$0
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Bonus Depreciation Rate (April 2021 - December 2021)	0%	0.00%
10	Bonus Depreciation Rate (January 2022 - Mar 2022)	0%	0.00%
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$0
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 6 of 10, Line 9	\$0
		Sum of Lines 3, 12, 18, 19, and	
21	Total Tax Depreciation and Repairs Deduction	20	\$0

THE NARRAGANSETT ELECTRIC COMPANY

d/b/a NATIONAL GRID RIPUC Docket No. 4770 Appendix 10.2 - Grid Mod Stand Alone Page 8 of 10

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Fiscal Year 2020 Net Deferred Tax Reserve Electric Proration RI Only Grid Mod - DSCADA & ADMS Electric

				(a)= Column (b)	(b)	
Line					Vintage Year	
No.	Deferred Tax Subject to Proration			Total	March 31, 2020	
1	Book Depreciation	Page 2 of 10, Line		\$0	\$0	
2	Bonus Depreciation	Page 3 of 10		\$0	\$0	
3	Remaining MACRS Tax Depreciation	Page 3 of 10		\$0	\$0	
4	FY20 tax (gain)/loss on retirements	Page 3 of 10		\$0	\$0	
5	Cumulative Book / Tax Timer	Sum of Lines 1	through 4	\$0	\$0	
6	Effective Tax Rate	** **		21.00%	21.00%	
7	Deferred Tax Reserve	Line 5 * I	Line 6	\$0	\$0	
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction	Page 3 of 10		\$0	\$0	
9	Cost of Removal	Page 3 of 10	, Line 20	\$0	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2020			\$0	\$0	
11	Cumulative Book / Tax Timer	Line 8 + Line 9	9 + Line 10	\$0	\$0	
12	Effective Tax Rate			21.00%	21.00%	
13	Deferred Tax Reserve	Line 11 * I	Line 12	\$0	\$0	
14	Total Deferred Tax Reserve	Line 7 + L	ine 13	\$0	\$0	
15	Net Operating Loss	Page 2 of 10	, Line 21	\$0	\$0	
16	Net Deferred Tax Reserve	Line 14 + I	Line 15	\$0	\$0	
	Allocation of FY 2020 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration	Col(b) = 1	Line 5	\$0	\$0	
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 1	1	\$0	\$0	
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18		\$0	\$0	
20	Total FY 2020 Federal NOL	Page 2 of 10, Li	ne 21 / 21%	\$0	\$0	
21	Allocated FY 2020 Federal NOL Not Subject to Proration	(Line 18 / Line 1		\$0	\$0	
22	Allocated FY 2020 Federal NOL Subject to Proration	(Line 17 / Line 1		\$0	\$0	
23	Effective Tax Rate	Per Tax Depa		21.00%	21.00%	
24	Deferred Tax Benefit subject to proration	Line 22 * I		\$0	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7 + L	ine 24	\$0	\$0	
				**	-	
		(i)	(j)			
		Number of Days in		4 4.0		
	Proration Calculation		Proration Percentage	(k)= Sum of (l)	(1)	
26	April 2019	30	91.78%	\$0	\$0	
27	May 2019	31	83.29%	\$0	\$0	
28	June 2019	30	75.07%	\$0	\$0	
29	July 2019	31	66.58%	\$0	\$0	
30	August 2019	31	58.08%	\$0	\$0	
31	September 2019	30	49.86%	\$0	\$0	
32	October 2019	31	41.37%	\$0	\$0	
33	November 2019	30	33.15%	\$0	\$0	
34	December 2019	31	24.66%	\$0	\$0	
35	January 2020	31	16.16%	\$0	\$0	
36 37	February 2020	28	8.49%	\$0 \$0	\$0 \$0	
38	March 2020 Total	31 365	0.00%	\$0 \$0	\$0 \$0	
38	1 Otal	363		20	20	
39	Deferred Tax Without Proration	Line 2	25	\$0	\$0	
40	Proration Adjustment	Line 38 - I	Line 39	\$0	\$0	

Column Notes:

- (j) Sum of remaining days in the year (Col (i)) ÷ 365 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4770 Appendix 10.2 - Grid Mod Stand Alone Page 9 of 10

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Fiscal Year 2021 Net Deferred Tax Reserve Electric Proration RI Only Grid Mod - DSCADA & ADMS Electric

		RI Only Grid Mod - D	SCADA & ADMS Electri	С			
				(a)=Sum of (b)			
				through (c)	(b)	(c)	
					Vintage Year	Vintage Year	
Line				Total	March 31, 2021	March 31, 2020	
No.	Deferred Tax Subject to Proration						
1	Book Depreciation	Col (b) = Page 4 of 10	, Line 15 + Line 18 ;Col				
1	воок перестанов), Line 15 + Line 18	\$0	\$0	\$0	
2	Bonus Depreciation		10, Line 12	\$0	\$0	43	
-				\$0	40		
3	Remaining MACRS Tax Depreciation		Line 18 ;Col (c) = Page		**	0.0	
		3 of 10, Line 18		\$0	\$0	\$0	
			, Line 19 ;Col (c) = Page				
4	FY21 tax (gain)/loss on retirements		, Line 19	\$0	\$0	\$0	
5	Cumulative Book / Tax Timer		es 1 through 4	\$0	\$0	\$0	
6	Effective Tax Rate	Per Tax De		21.00%	21.00%	21.00%	
7	Deferred Tax Reserve	Line 5	* Line 6	\$0	\$0	\$0	
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		f 10, Line 3	\$0	\$0		
9	Cost of Removal	Page 7 of	10, Line 20	\$0	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2021			\$0	\$0		
11	Cumulative Book / Tax Timer	Line 8 + Lin	ne 9 + Line 10	\$0	\$0		
12	Effective Tax Rate			21.00%	21.00%		
13	Deferred Tax Reserve	Line 11 * Line 12		\$0	\$0		
14	Total Deferred Tax Reserve		+ Line 13	\$0	\$0	\$0	
15	Net Operating Loss		10, Line 24	\$0	\$0	\$0	
16	Net Deferred Tax Reserve	Line 14 + Line 15		\$0	\$0	\$0	
	Allocation of FY 2021 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	. ,	= Line 5	\$0	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration		ne 11	\$0	\$0		
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0	\$0		
20	Total FY 2021 Federal NOL		of 10, Line 24 / 21%	\$0	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration		e 19) * Line 20	\$0	\$0		
22	Allocated FY 2021 Federal NOL Subject to Proration		e 19) * Line 20	\$0	\$0		
23	Effective Tax Rate	Per Tax D		21.00%	21.00%		
24	Deferred Tax Benefit subject to proration	Line 22	* Line 23	\$0	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0	
			(2)				
		(i)	(j)				
		Number of Days in		(k)= Sum of (l)			
	Proration Calculation	Month	Proration Percentage	through (m)	(1)	(m)	
26	April 2020	30	91.78%	\$0	\$0	\$0	
27	May 2020	31	83.29%	\$0	\$0	\$0	
28	June 2020	30	75.07%	\$0	\$0	\$0	
29	July 2020	31	66.58%	\$0	\$0	\$0	
30	August 2020	31	58.08%	\$0	\$0	\$0	
31	September 2020	30	49.86%	\$0	\$0	\$0	
32	October 2020	31	41.37%	\$0	\$0	\$0	
33	November 2020	30	33.15%	\$0	\$0	\$0	
34	December 2020	31	24.66%	\$0	\$0	\$0	
35	January 2021	31	16.16%	\$0 \$0	\$0	\$0	
36	February 2021	28	8.49%	\$0 \$0	\$0	\$0	
37	March 2021	31	0.00%	\$0	\$0	\$0 \$0	
38	Total	365	0.0076	\$0	\$0	\$0	
50		303		30	30	50	
39	Deferred Tax Without Proration	Lin	ne 25	\$0	\$0	\$0	
				30	30	40	

Line 38 - Line 39

Proration Adjustment

(j) Sum of remaining days in the year (Col (i)) ÷ 365 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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THE NARRAGANSETT ELECTRIC COMPANY

d/b/a NATIONAL GRID RIPUC Docket No. 4770 Appendix 10.2 - Grid Mod Stand Alone Page 10 of 10

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST) Calculation of Fiscal Year 2022 Net Deferred Tax Reserve Electric Proration RI Only Grid Mod - DSCADA & ADMS Electric

		•		(a)=Sum of (b) through (d)	(b) Vintage Year	(c) Vintage Year	(d) Vintage Year
Line No.	Deferred Tax Subject to Proration			<u>Total</u>	March 31, 2022	March 31, 2021	March 31, 2020
1	Book Depreciation	Col(c) = Page 4 of 10 (d) = Page 2 of 10	10, Line 15 + Line 18; 0, Line 15 + Line 18; Col 0, Line 15 + Line 18	\$0	\$0	\$0	\$0
2	Bonus Depreciation	6	f 10, Line 12	\$0	\$0		
3	Remaining MACRS Tax Depreciation	Page 5 of 10, Line 18	10, Line 18; Col (c) = ; Col (d) = Page 3 of 10, ne 18	\$0	\$0	\$0	\$0
			`10, Line 19; Col (c) = ; Col (d) = Page 3 of 10,				
4	FY22 tax (gain)/loss on retirements		ne 19	\$0	\$0	\$0	\$0
5	Cumulative Book / Tax Timer		es 1 through 4	\$0	\$0	\$0	\$0
6	Effective Tax Rate		Department	21.00%	21.00%	21.00%	21.00%
7	Deferred Tax Reserve	Line 5	5 * Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction Cost of Removal		f 10, Line 3	\$0 \$0	\$0 \$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022	Page / oi	f 10, Line 20	\$0 \$0	\$0 \$0		
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10	\$0 \$0	\$0 \$0		
12	Effective Tax Rate			21.00%	21.00%		
13	Deferred Tax Reserve	Line 11	* Line 12	\$0	\$0		
14	Total Deferred Tax Reserve	Line 7	+ Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss		f 10, Line 24	\$0	\$0	\$0	\$0
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration) = Line 5	\$0	\$0		
18 19	Cumulative Book/Tax Timer Not Subject to Proration Total Cumulative Book/Tax Timer		ne 11 ' + Line 18	\$0 \$0	\$0 \$0		
		Line 17	· Ellic 10				
20	Total FY 2022 Federal NOL		of 10, Line 24 / 21%	\$0	\$0		
21 22	Allocated FY 2022 Federal NOL Not Subject to Proration		ne 19) * Line 20	\$0 \$0	\$0 \$0		
23	Allocated FY 2022 Federal NOL Subject to Proration Effective Tax Rate		ne 19) * Line 20 Department	21.00%	21.00%		
24	Deferred Tax Benefit subject to proration		2 * Line 23	\$0	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$0	\$0	\$0	\$0
	,	(i)	(j)				
		Number of Days in		(k)= Sum of (l)			
	Proration Calculation	Month	Proration Percentage	through (n)	(1)	(m)	(n)
26	April 2021	3		\$0	\$0	\$0	\$0
27	May 2021	3	1 83.29%	\$0	\$0	\$0	\$0
28	June 2021	3		\$0	\$0	\$0	\$0
29	July 2021	3		\$0	\$0	\$0	\$0
30 31	August 2021	3		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
32	September 2021 October 2021	3		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
33	November 2021	3		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
34	December 2021	3		\$0	\$0	\$0	\$0
35	January 2022	3		\$0	\$0	\$0	\$0
36	February 2022	2		\$0	\$0	\$0	\$0
37	March 2022	3		\$0	\$0	\$0	\$0
38	Total	36	5	\$0	\$0	\$0	\$0
39	Deferred Tax Without Proration		ne 25	\$0	\$0	\$0	\$0
40	Proration Adjustment	Line 38	3 - Line 39	\$0	\$0	\$0	\$0

⁽j) Sum of remaining days in the year (Col (i)) ÷ 365 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Appendix 10.2 - Grid Mod Stand Alone Page 1 of 10

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Grid Mod RI Only - PI Historian Annual Revenue Requirement Summary

Line <u>No.</u>	The control of the co		March	ear Ending 31, 2019 (a)	al Year Ending arch 31, 2020 (b)	scal Year Ending March 31, 2021 (c)		1 Year Ending rch 31, 2022 (d)
,	Electric Operation and Maintenance (O&M) Expenses:							
1	System Data Portal		S	-	\$ -	\$ -	\$	-
2	Feeder Monitoring Sensors		S S	-	\$ -	\$ -	S	-
3	RTU Separation		-	-	\$ -	\$ -	\$	-
4	GIS Data Enhancement		S	-	\$ -	\$ -	\$	-
5	DSCADA & ADMS		S	-	\$ -	\$ -	\$	-
6	GIS Data Enhancement		\$	-	\$ -	\$ -	\$	-
7	Enterprise Service Bus		\$	-	\$ -	\$ -	\$	-
8	Data Lake		S	-	\$ 	\$ 	\$.
9	PI Historian		\$	-	\$ 52,000	\$	\$	2,052,000
10	Advanced Analytics		\$	-	\$ -	\$ -	\$	-
11	Telecommunications		\$	-	\$ -	\$ -	\$	-
12	Cybersecurity		\$	-	\$ -	\$ -	\$	-
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$	-	\$ 52,000	\$ 2,052,000	\$	2,052,000
	Gas Operation and Maintenance (O&M) Expenses:							
14	DSCADA & ADMS		\$	-	\$ -	\$ -	\$	-
15	GIS Data Enhancement		\$	-	\$ -	\$ -	\$	-
16	Enterprise Service Bus		\$	-	\$ -	\$ -	\$	-
17	Data Lake		\$	-	\$ -	\$ -	\$	-
18	PI Historian		\$	-	\$ -	\$ -	\$	-
19	Advanced Analytics		\$	-	\$ -	\$ -	\$	-
20	Telecommunications		\$	-	\$ -	\$ -	\$	-
21	Cybersecurity		\$	-	\$ -	\$ -	\$	-
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$	•	\$ -	\$ -	\$	-
23	Total O&M Expenses	Line 13 + Line 22	\$	-	\$ 52,000	\$ 2,052,000	\$	2,052,000
24	Electric Capital Investment:							
25					640 100	\$93,881		\$86,821
26	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment				\$49,190	\$93,881		\$80,821
	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2021 Capital Investment					20		
27	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2022 Capital Investment							\$0
28	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through 27			\$49,190	\$93,881		\$86,821
29	Gas Capital Investment:							
30	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment				\$0	\$0		\$0
31	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment				30	\$0 \$0		\$0
						50		
32	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2022 Capital Investment							\$0
33	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 30 through 32		-	\$0	\$0		\$0
34	Total Electric Revenue Requirement	Line 13 + Line 28			\$101,190	\$2,145,881		\$2,138,821
35	Total Gas Revenue Requirement	Line 22 + Line 33		-	\$0	\$0		\$0
36	Total Electric & Gas Revenue Requirement	Line 34 + Line 35			\$ 101,190	\$ 2,145,881	\$	2,138,821

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Attachment DIV 9-13-3

THE NARRAGANSETT ELECTRIC COMPANY

d/b/a NATIONAL GRID

RIPUC Docket No. 4780

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THE NARRAGANSETT ELECTRIC COMPANY

d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2020 RI Only Grid Mod - PI Historian Electric

Line No.			Fiscal Year Ending March 31, 2020 (a)	Fiscal Year Ending March 31, 2021 (b)	Fiscal Year Ending March 31, 2022 (c)
	Estimated Capital Investment		(4)	(6)	(0)
1	Feeder Monitor Sensors		\$0	\$0	\$0
2	RTU Separation		\$0	\$0	\$0
3	PI Historian		\$451,000	\$0	\$0
4	DSCADA & ADMS		\$0	\$0	\$0
5	Total Estimated Capital Investment	Line 1 + Line 2 + Line 4	\$451,000	\$0	\$0
	Depreciable Net Capital Included in Rate Base	71. 6	6451.000		
6 7	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 5 Line 4 * 0%	\$451,000 \$0	\$0 \$0	\$0 \$0
8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b and c) = Prior Year Line 6	\$451,000	\$451,000	\$451,000
0		Column (a) - Line 4 - Line 3, Column (b and c) - 11101 Teal Line b	3431,000	3431,000	3431,000
	Change in Net Capital Included in Rate Base		0.4.4.000		
9	Capital Included in Rate Base	Line 5	\$451,000	\$0	\$0
10	Cost of Removal		\$0	\$0	\$0
11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10	\$451,000	\$451,000	\$451,000
	Tax Depreciation				
12	Vintage Year Tax Depreciation:				
13	FY 2020 Spend	Page 3 of 10, Line 21	\$375,830	\$50,117	\$16,698
14	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11	\$375,830	\$425,947	\$442,645
	Book Depreciation				
15	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%	14.29%
16 17	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 1 * Line 13 * 50%; Column (b and c) = Line 1 * Line 13 Prior Year Line 15 + Current Year Line 14	\$32,214 \$32,214	\$64,429 \$96,643	\$64,429 \$161,071
1 /	Cumulative Book Depreciation	Prior Year Line 15 + Current Year Line 14	\$32,214	390,043	
18	Total Cumulative Book Depreciation	Line 17	\$32,214	\$96,643	\$161,071
	Deferred Tax Calculation:				
19	Cumulative Book / Tax Timer	Line 14 - Line 18	\$343,616	\$329,304	\$281,574
20 21	Effective Tax Rate Deferred Tax Reserve	Line 19 * Line 20	21.00% \$72,159	21.00% \$69.154	21.00% \$59.130
21	Less: FY 2020 Federal NOL	Line 19 * Line 20		\$69,154	
22	ECSS. F1 2020 FCGCIai NOL	Col (a) = Page 8 of 10, Line 40; Col (b) = Page 9 of 10, Line 40; Col (c) = Page	-	-	-
23	Less: Proration Adjustment	10 of 10, Line 40	\$ (39,177)		
24	Net Deferred Tax Reserve	Sum of Lines 21 through 23	\$32,982	\$70,786	\$64,572
	Rate Base Calculation:				
25	Cumulative Incremental Capital Included in Rate Base	Line 11	\$ 451,000		
26	Accumulated Depreciation	- Line 18	(\$32,214)	(\$96,643)	(\$161,071)
27 28	Deferred Tax Reserve Year End Rate Base	- Line 24 Sum of Lines 25 through 27	(\$32,982) \$ 385,803	(\$70,786) \$ 283,572	\$ (\$64,572) \$ 225,356
20		Sun of Lines 25 through 27	\$ 363,603	\$ 263,372	3 223,330
	Revenue Requirement Calculation:	Column (a) = Current Year Line 29 ÷ 2; Column (b and c) = (Prior Year Line			
29	Average Rate Base	Column (a) = Current Year Line 29 ÷ 2; Column (b and c) = (Prior Year Line 29 + Current Year Line 39) ÷ 2	\$192,902	\$334,687	\$254,464
30	Pre-Tax ROR	29 + Current Teal Line 39) + 2		8.80%	8.80%
31	Return and Taxes	Line 29 * Line 30	\$16,975	\$29,452	\$22,393
32	Book Depreciation	Line 16 - Line 19	\$32,214	\$64,429	\$64,429
1	Annual Revenue Requirement	Sum of Lines 31 through	\$49,190	\$93,881	\$86,821

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

	Kano	Rate	Kate	Taxes	Keturn
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Appendix 10.2 - Grid Mod Stand Alone Page 3 of 10

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2020 Electric Capital Investments RI Only Grid Mod - PI Historian Electric

Line			Fiscal Year Ending March 31, 2020	Fiscal Year Ending March 31, 2021	Fiscal Year Ending March 31, 2022
No.	a sin i ni i		(a)	(b)	(c)
	Capital Repairs Deduction Plant Additions	D 2 610 I: 5	6451.000		
1		Page 2 of 10, Line 5	\$451,000		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$451,000		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$451,000		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$451,000		
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 100%	75.00%		
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	75.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$338,250		
	Donas Depresanton	Zime o Zime 11	9550,250		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$451,000		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$338,250		
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$112,750	\$112,750	\$112,750
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.33%	44.45%	14.81%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$37,580	\$50,117	\$16,698
19	FY20 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 10, Line 10	\$0	30	ΨΟ
20	Cost of Itelnoval	1 age 2 of 10, Ellie 10			
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$375,830	\$50,117	\$16,698
-1	Town Tax Depresanon and Repairs Deduction	-, -=,, =-	\$575,650	950,117	\$10,070

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THE NARRAGANSETT ELECTRIC COMPANY

d/b/a NATIONAL GRID

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2021 RI Only Grid Mod - PI Historian Electric

Line No.				Fiscal Year Ending March 31, 2021 (a)	Fiscal Year Ending March 31, 2022 (b)
	Estimated Capital Investment				
1	Feeder Monitor Sensors			\$0	
2	RTU Separation			\$0	
3 4	PI Historian DSCADA & ADMS			\$0 \$0	
5	Total Estimated Capital Investment	Line 1 + Line 2 + Line 4		\$0 \$0	\$0
,	Depreciable Net Capital Included in Rate Base Total Allowed Capital Included in Rate Base in Current Year	Line 5		\$0	\$0
6 7	Retirements	Line 4 * 0%		\$0 \$0	\$0 \$0
8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line	ne 6	\$0	\$0
9	Change in Net Capital Included in Rate Base Capital Included in Rate Base	Line 5	\$0	\$0	
,	Capital included in Rate Base	Line 3		30	30
10	Cost of Removal			\$0	\$0
11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10		\$0	\$0
	Tax Depreciation				
12	Vintage Year Tax Depreciation:				
13	FY 2021 Spend	Page 5 of 10, Line 21		\$0	\$0
14	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11		\$0	\$0
	Book Depreciation				
15	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770		14.29%	14.29%
16 17	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 1 * Line 13 * 50%; Column (b) = Line 1 * Prior Year Line 15 + Current Year Line 14	Line 13	\$0 \$0	\$0 \$0
17	Cullidiative Book Depreciation	PHOLICAL LINE 13 + Cultent Teal Line 14		30	30
18	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770		2.09%	2.09%
19 20	Book Depreciation Cumulative Book Depreciation	Column (a) = Line 2 * Line 16 * 50%; Column (b) = Line 2 * Prior Year Line 18 + Current Year Line 17	Line 16	\$0 \$0	\$0 \$0
20	Cumulative Book Depreciation	Filor Tear Ellie 18 + Current Tear Ellie 17		30	30
21	Total Cumulative Book Depreciation	Line 20 + Line 17		\$0	\$0
22	Deferred Tax Calculation:	** ** **			
22 23	Cumulative Book / Tax Timer Effective Tax Rate	Line 14 - Line 21		\$0 21.00%	\$0 21.00%
24	Deferred Tax Reserve	Line 22 * Line 23		\$0	\$0
25	Less: FY 2021 Federal NOL			\$0	\$0
26	Less: Proration Adjustment	Col (a) = Page 9 of 10, Line 40; Col (b) = Page 10 of 10, Lin	ne 40	\$0	\$0
27	Net Deferred Tax Reserve	Sum of Lines 24 through 26		\$0	\$0
	Rate Base Calculation:				
28	Cumulative Incremental Capital Included in Rate Base	Line 11		\$ -	\$0
29 30	Accumulated Depreciation Deferred Tax Reserve	- Line 21		\$0 \$0	\$0 \$0
31	Year End Rate Base	- Line 27 Sum of Lines 28 through 30		\$ -	\$0
		-			
	Revenue Requirement Calculation:				
32	Average Rate Base	Column (a) = Current Year Line 29 ÷ 2; Column (b) = (Prior Year + Current Year Line 29) ÷ 2	ar Line 29	\$0.00	\$0
33	Pre-Tax ROR	Current real Ellie 25) · 2	1/	8.80%	8.80%
34	Return and Taxes	Line 32 * Line 33		\$0	\$0
35	Book Depreciation	Line 16 + Line 19		\$0	\$0
36	Property Taxes	Tax Rate 3.176% MAL-7 - Columns (b) Line 9 * 3.1769	%	\$0	\$0
37	Annual Revenue Requirement	Sum of Lines 34 through 36		\$0	\$0
	1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket N		Rate	Taxes	Return
	Long Term Debt	48.47% 4.69%	2.27%	1 axes	2.27%
	Short Term Debt	0.45% 1.76%	0.01%		0.01%
	Preferred Stock	0.11% 4.50%	0.00%		0.00%
	Common Equity	50.97% 10.10%	5.15%	1.37%	6.52%
		100.00%	7.43%	1.37%	8.80%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Attachment DIV 9-13-3

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THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC Docket No. 4780
Appendix 10.2 - Grid Mod Stand Alone
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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Boyes Sector Transformation (PST)

Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2021 Electric Capital Investments RI Only Grid Mod - PI Historian Electric

Line No. 1 2 3	Capital Repairs Deduction Plant Additions Capital Repairs Deduction Rate Capital Repairs Deduction	Page 4 of 10, Line 5 Per Tax Department Line 1 * Line 2	Fiscal Year Ending March 31, 2021 (a) \$0 0.00%	Fiscal Year Ending March 31, 2022 (b)
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$0	
14	Less Capital Repairs Deduction	Line 3	\$0	
15	Less Bonus Depreciation	Line 12	\$0	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 4 of 10, Line 10	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0	\$0

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2022 RI Only Grid Mod - PI Historian Electric

Estimated Capital Investment	Line			Fiscal Year Ending
Estimated Capital Investment	No.			March 31, 2022 (a)
2 RTU Separation 50 3 PH Storbrain 50 4 DSCADA & ADMS 50 5 Total Estinated Capital Included in Rate Base		Estimated Capital Investment		.,
PHistorian	1	Feeder Monitor Sensors		\$0
Discanda & ADMS				
Depreciable Net Capital Investment				
Depreciable Net Capital Included in Rate Base Total Allowed Capital Included in Rate Base in Current Year Line 5 So			** *** *** *** **	
6 Total Allowed Capital Included in Rate Base in Current Year Line 5 \$9 7 Retirements Line 4 * 0% \$9 8 Net Depreciable Capital Included in Rate Base Column (a) = Line 4 - Line 5 \$30 Change in Net Capital Included in Rate Base Line 5 \$9 Cost of Removal Line 5 \$9 10 Cost of Removal Line 8 + Line 10 \$0 Tax Depreciation 12 Virages Year Tax Depreciation: Page 7 of 10, Line 21 \$0 14 Community Tax Depreciation Prior Year Line 12 + Current Year Line 13 \$0 15 Composite Book Depreciation Prior Year Line 12 + Current Year Line 13 \$0 16 Book Depreciation As approved per R.I.P.U.C. Docket No. 4770 14.29% 16 Book Depreciation Column (a) = Line 1* Line 13* 50% \$0 17 Cumularity Book Depreciation Column (a) = Line 1* Line 13* 50% \$0 18 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 14.29% 19 Book Depreciation Rate As approved per R.I.P. U.C. Docket No. 4770 2.09% 20 Cumularity Book Depreciation Rate As approved per R.I.P. U.C.	5	Total Estimated Capital Investment	Line I + Line 2 + Line 4	\$0
Retirements			** *	***
Net Depreciable Capital Included in Rate Base Column (a) = Line 4 - Line 5 So				
Clange in Net Capital Included in Rate Base Line 5 S0				
Cost of Removal	0		Column (a) – Line 4 - Line 3	50
Total Net Plant in Service Including Cost of Removal Line 8 + Line 10 So				
Total Net Plant in Service Including Cost of Removal Line 8 + Line 10 So	9	Capital Included in Rate Base	Line 5	\$0
Tax Depreciation 12 Vintage Year Tax Depreciation: 13 FY 2022 Spend Page 7 of 10, Line 21 S0 14 Cumulative Tax Depreciation Prior Year Line 12 + Current Year Line 13 S0 Book Depreciation Prior Year Line 12 + Current Year Line 13 S0 Book Depreciation Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 14.29% S0 15 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% S0 17 Cumulative Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% S0 18 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% S0 19 Book Depreciation Column (a) = Line 2* Line 16 * 50% S0 S0 20 Cumulative Book Depreciation Current Year Line 16 S0 S0 21 Total Cumulative Book Depreciation Line 17 + Line 20 S0 Deferred Tax Calculation: Line 14 - Line 21 S0 22 Cumulative Book Tax Timer Line 14 - Line 21 S0 23 Effective Tax Rate 2.100% S0 24 Deferred Tax Reserve Line 2* Line 2* Line 2* Line 2* S0 S0 25 Less: FY 2022 Federal NOL S0 S0 26 Less: FY 2022 Federal NOL S0 S0 S0 27 Net Deferred Tax Reserve Line 2* Line 14 - Line 2* S0 S0 28 Cumulative Book Depreciation Col (a) = Page 10 of 10, Line 40 S0 S0 29 Accumulated Depreciation S0 S0 S0 Rate Base Calculation: S0 S0 S0 Rate Base Calculation: S0 S0 S0 S0 Rate Base Calculation: S0 S0 S0 S0 S0 S0 S0 S	10	Cost of Removal		\$0
Vintage Year Tax Depreciation: Page 7 of 10, Line 21 S0	11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10	\$0
Vintage Year Tax Depreciation: Page 7 of 10, Line 21 S0		Tax Depreciation		
13	12			
Book Depreciation 14.29% 14.29% 14.29% 16. Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 14.29% 16. Book Depreciation Column (a) = Line 1* Line 13 * 50% \$0. 17. Cumulative Book Depreciation Current Year Line 14 \$0. \$	13		Page 7 of 10, Line 21	\$0
15 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 14.29% 16 Book Depreciation Column (a) = Line 1* Line 13* 50% \$0 17 Cumulative Book Depreciation Current Year Line 14 \$0 18 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% 18 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% 19 Book Depreciation Column (a) = Line 2* Line 16* 50% \$0 20 Cumulative Book Depreciation Current Year Line 16 \$0 21 Total Cumulative Book Depreciation Line 17 + Line 20 \$0 22 Cumulative Book Depreciation Line 17 + Line 20 \$0 23 Effective Tax Rate 21.00% 21.00% 24 Deferred Tax Reserve Line 14 - Line 21 \$0 25 Less: FY 2022 Federal NOL \$0 26 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 27 Net Deferred Tax Reserve Sum of Lines 24 through 26 \$0 28 Cumulative Incremental Capital Included in Rate Base Line 11 \$ \$ \$ 29 Accumulated Depreciation Line 21 \$0 \$0 30 Deferred Tax Reserve Line 21 \$0 \$0 31 Year End Rate Base Sum of Lines 28 through 30 \$ \$ \$ \$ \$ \$ 32 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0	14	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 13	\$0
Book Depreciation				
Cumulative Book Depreciation Rate	15			14.29%
Composite Book Depreciation Rate				
Book Depreciation	17	Cumulative Book Depreciation	Current Year Line 14	\$0
20 Cumulative Book Depreciation Current Year Line 16 \$0 21 Total Cumulative Book Depreciation Line 17 + Line 20 \$0 Deferred Tax Calculation: 22 Cumulative Book / Tax Timer Line 14 - Line 21 \$0 23 Effective Tax Rate 21.00% 24 Deferred Tax Reserve Line 22 * Line 23 \$0 25 Less: FY 2022 Federal NOL \$0 26 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 27 Net Deferred Tax Reserve Sum of Lines 24 through 26 \$0 Rate Base Calculation: 2 Line 11 \$0 29 Accumulated Depreciation - Line 21 \$0 30 Deferred Tax Reserve - Line 21 \$0 31 Year End Rate Base Sum of Lines 28 through 30 \$0 32 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 33 Pre-Tax ROR I/ 8.80% 34 Return and Taxes Line 32 * Line 33 \$0	18	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.09%
Deferred Tax Calculation: 22	19	Book Depreciation		\$0
Deferred Tax Calculation: 22	20	Cumulative Book Depreciation	Current Year Line 16	\$0
Cumulative Book / Tax Timer	21	Total Cumulative Book Depreciation	Line 17 + Line 20	\$0
21.00% 24 Deferred Tax Rate Line 22 * Line 23 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$				
Line 22 * Line 23 S0			Line 14 - Line 21	
25 Less: FY 2022 Federal NOL \$0 26 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 27 Net Deferred Tax Reserve Sum of Lines 24 through 26 \$0 28 Cumulative Incremental Capital Included in Rate Base Line 11 \$ 29 Accumulated Depreciation - Line 21 \$0 30 Deferred Tax Reserve - Line 27 \$0 31 Year End Rate Base Sum of Lines 28 through 30 \$ 32 Average Rate Base Column (a) = Current Year Line 29 = 2 \$0 33 Pre-Tax ROR 1 8.80% 34 Return and Taxes Line 32 * Line 33 \$0 35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0 50				
Col (a) = Page 10 of 10, Line 40 S0			Line 22 * Line 23	
Rate Base Calculation: 28 Cumulative Incremental Capital Included in Rate Base Line 11 \$ 29 Accumulated Depreciation - Line 21 \$0 30 Deferred Tax Reserve - Line 27 \$0 31 Year End Rate Base Sum of Lines 28 through 30 \$ Revenue Requirement Calculation: 32 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 33 Pre-Tax ROR 1/ 8.80% 34 Return and Taxes Line 32 * Line 33 \$0 35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0			Col(a) = Porce 10 of 10 I inc 40	• •
Cumulative Incremental Capital Included in Rate Base				
Cumulative Incremental Capital Included in Rate Base		Rate Base Calculation:		
29 Accumulated Depreciation - Line 21 \$0 30 Deferred Tax Reserve - Line 27 \$0 31 Year End Rate Base Sum of Lines 28 through 30 \$ - Revenue Requirement Calculation: 32 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 33 Pre-Tax ROR 1/ 8.80% 34 Return and Taxes Line 32 * Line 33 \$0 35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0	28		Line 11	S -
Revenue Requirement Calculation: Sum of Lines 28 through 30 \$ - 32 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 33 Pre-Tax ROR 1/ 8.80% 34 Return and Taxes Line 32 * Line 33 \$0 35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0	29		- Line 21	\$0
Revenue Requirement Calculation: 32 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 33 Pre-Tax ROR 1/ 8.80% 34 Return and Taxes Line 32 * Line 33 \$0 35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0	30			\$0
32 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 33 Pre-Tax ROR 1/ 8.80% 34 Return and Taxes Line 32 * Line 33 \$0 35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0	31	Year End Rate Base	Sum of Lines 28 through 30	\$
33 Pre-Tax ROR 1/ 8.80% 34 Return and Taxes Line 32 * Line 33 \$0 35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0				
34 Return and Taxes Line 32 * Line 33 \$0 35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0			* /	
35 Book Depreciation Line 16 + Line 19 \$0 36 Property Taxes Tax Rate 3.176% MAL-7 \$0				
36 Property Taxes Tax Rate 3.176% MAL-7 \$0				
Annual Revenue Requirement Sum of Lines 34 through 36 \$0	50			50
	37	Annual Revenue Requirement	Sum of Lines 34 through 36	\$0

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, S	Schedule MAL-1-ELEC
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	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Attachment DIV 9-13-3 Page 7 of 10

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Appendix 10.2 - Grid Mod Stand Alone Page 7 of 10

THE NARRAGANSETT ELECTRIC COMPANY

ANALY AND ANALY CONTAINS OF THE ELECTRIC CONTAINS Ab/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2022 Electric Capital Investments RI Only Grid Mod - PI Historian Electric

Line			Fiscal Year Ending March 31, 2022
No.	C NID 1 D 1 C		(a)
	Capital Repairs Deduction	D < 010 T: 5	60
1	Plant Additions	Page 6 of 10, Line 5	\$0
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Bonus Depreciation Rate (April 2021 - December 2021)	0%	0.00%
10	Bonus Depreciation Rate (January 2022 - Mar 2022)	0%	0.00%
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$0
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 6 of 10, Line 10	\$0
		,	
		Sum of Lines 3, 12, 18, 19, and	
21	Total Tax Depreciation and Repairs Deduction	20	\$0

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID RIPUC Docket No. 4780 Appendix 10.2 - Grid Mod Stand Alone

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Fiscal Year 2020 Net Deferred Tax Reserve Electric Proration RI Only Grid Mod - PI Historian Electric

				(a)= Column (b)	(b)	
Line No.	Deferred Tax Subject to Proration			Total	Vintage Year March 31, 2020	
1	Book Depreciation	Page 2 of 10, Line 1	16 + Line 19	\$32,214	\$32,214	
2	Bonus Depreciation	Page 3 of 10, I		(\$338,250)	(\$338,250)	
3	Remaining MACRS Tax Depreciation	Page 3 of 10, I		(\$37,580)	(\$37,580)	
4	FY20 tax (gain)/loss on retirements	Page 3 of 10, I		\$0	\$0	
5	Cumulative Book / Tax Timer	Sum of Lines 1 t		(\$343,616)	(\$343,616)	
6	Effective Tax Rate	Sum of Lines 1 t	inough 4	21.00%	21.00%	
7	Deferred Tax Reserve	Line 5 * Lin	ne 6	(\$72,159)	(\$72,159)	
	Deferred Tax Not Subject to Proration					
8	Capital Repairs Deduction	Page 3 of 10,	Line 3	\$0	\$0	
9	Cost of Removal	Page 3 of 10, I	Line 20	\$0	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2020			\$0	\$0	
11	Cumulative Book / Tax Timer	Line 8 + Line 9 -	+ Line 10	\$0	\$0	
12	Effective Tax Rate			21.00%	21.00%	
13	Deferred Tax Reserve	Line 11 * Lin	ne 12	\$0	\$0	
14	Total Deferred Tax Reserve	Line 7 + Lin	ne 13	(\$72,159)	(\$72,159)	
15	Net Operating Loss	Page 2 of 10, I	Line 22	\$0	\$0	
16	Net Deferred Tax Reserve	Line 14 + Lin	ne 15	(\$72,159)	(\$72,159)	
	Allocation of FY 2020 Estimated Federal NOL					
17	Cumulative Book/Tax Timer Subject to Proration	Col(b) = Li	ine 5	(\$343,616)	(\$343,616)	
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11		\$0	\$0	
19	Total Cumulative Book/Tax Timer	Line 17 + Lin	ne 18	(\$343,616)	(\$343,616)	
20	Total FY 2020 Federal NOL	Page 2 of 10, Line	22 / 21%	\$0	\$0	
21	Allocated FY 2020 Federal NOL Not Subject to Proration	(Line 18 / Line 19) * Line 20	\$0	\$0	
22	Allocated FY 2020 Federal NOL Subject to Proration	(Line 17 / Line 19) * Line 20	\$0	\$0	
23	Effective Tax Rate	Per Tax Depart		21.00%	21.00%	
24	Deferred Tax Benefit subject to proration	Line 22 * Lin	ne 23	\$0	\$0	
25	Net Deferred Tax Reserve subject to proration	Line 7 + Lin	ne 24	(\$72,159)	(\$72,159)	
		(i)	(j)			
		Number of Days in				
	Proration Calculation	Month Pr	oration Percentage	(k)= Sum of (1)	(1)	
26	April 2019	30	91.78%	(\$5,519)	(\$5,519)	
27	May 2019	31	83.29%	(\$5,008)	(\$5,008)	
28	June 2019	30	75.07%	(\$4,514)	(\$4,514)	
29	July 2019	31	66.58%	(\$4,003)	(\$4,003)	
30	August 2019	31	58.08%	(\$3,493)	(\$3,493)	
31	September 2019	30	49.86%	(\$2,998)	(\$2,998)	
32	October 2019	31	41.37%	(\$2,488)	(\$2,488)	
33	November 2019	30	33.15%	(\$1,993)	(\$1,993)	
34	December 2019	31	24.66%	(\$1,483)	(\$1,483)	
35	January 2020	31	16.16%	(\$972)	(\$972)	
36	February 2020	28	8.49%	(\$511)	(\$511)	
37	March 2020	31	0.00%	\$0	\$0	
38	Total	365		(\$32,982)	(\$32,982)	
39	Deferred Tax Without Proration	Line 25		(\$72,159)	(\$72,159)	
40	Proration Adjustment	Line 38 - Lin	ne 39	\$39,177	\$39,177	

- (j) Sum of remaining days in the year (Col (i)) ÷ 365 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Fiscal Year 2021 Net Deferred Tax Reserve Electric Proration RI Only Grid Mod - PI Historian Electric

				(a)=Sum of (b) through (c)	(b) Vintage Year	(c) Vintage Year	
Line	D.C. and The C. Linder Broad			Total	March 31, 2021	March 31, 2020	
No.	Deferred Tax Subject to Proration						
1	Book Depreciation		Line 16 + Line 19 ;Col , Line 16 + Line 19	\$64,429	\$0	\$64,429	
2	Bonus Depreciation		10, Line 12	\$64,429 \$0	\$0 \$0	304,429	
	•	C	Line 18 ;Col (c) = Page				
3	Remaining MACRS Tax Depreciation		Line 18	(\$50,117)	\$0	(\$50,117)	
			Line 19 ;Col (c) = Page				
4	FY21 tax (gain)/loss on retirements		Line 19	\$0	\$0	\$0	
5	Cumulative Book / Tax Timer		s 1 through 4	\$14,312	\$0	\$14,312	
6 7	Effective Tax Rate Deferred Tax Reserve	Per Tax De	partment * Line 6	21.00% \$3,005	21.00% \$0	21.00% \$3,005	
,	Deletted Tax Reserve	Elile 3	Line 0	\$5,005	30	ψ5,005	
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		10, Line 3	\$0	\$0		
9	Cost of Removal	Page 7 of	10, Line 20	\$0 \$0	\$0 \$0		
10 11	Book/Tax Depreciation Timing Difference at 3/31/2021 Cumulative Book / Tax Timer	I ina Q + I in	e 9 + Line 10	\$0 \$0	\$0 \$0		
12	Effective Tax Rate	Line o T Lin	c). Line IV	21.00%	21.00%		
13	Deferred Tax Reserve	Line 11	* Line 12	\$0	\$0		
14	Total Deferred Tax Reserve		Line 13	\$3,005	\$0	\$3,005	
15 16	Net Operating Loss Net Deferred Tax Reserve		10, Line 25 + Line 15	\$0 \$3,005	\$0 \$0	\$0 \$3,005	
10	Net Defended Tax Reserve	Lille 14	F Line 13	\$3,003	30	\$3,003	
	Allocation of FY 2021 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	. ,	= Line 5	\$0	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration		e 11	\$0	\$0		
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	\$0	\$0		
20	Total FY 2021 Federal NOL	Col (b) = Page 4 o	f 10, Line 25 / 21%	\$0	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 / Line	e 19) * Line 20	\$0	\$0		
22	Allocated FY 2021 Federal NOL Subject to Proration		e 19) * Line 20	\$0	\$0		
23	Effective Tax Rate	Per Tax De		21.00%	21.00%		
24	Deferred Tax Benefit subject to proration	Line 22	* Line 23	\$0	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7 +	Line 24	\$3,005	\$0	\$3,005	
		(i)	(j)				
		Number of Days in		(k)= Sum of (l)			
26	Proration Calculation April 2020	Month 30	Proration Percentage 91.78%	through (m) \$230	(1)	(m) \$230	
27	May 2020	30	83.29%	\$230 \$209	\$0 \$0	\$230 \$209	
28	June 2020	30	75.07%	\$188	\$0 \$0	\$188	
29	July 2020	31	66.58%	\$167	\$0	\$167	
30	August 2020	31	58.08%	\$145	\$0	\$145	
31	September 2020	30	49.86%	\$125	\$0	\$125	
32	October 2020	31	41.37%	\$104	\$0	\$104	
33 34	November 2020	30	33.15%	\$83	\$0 \$0	\$83	
34 35	December 2020 January 2021	31 31	24.66% 16.16%	\$62 \$40	\$0 \$0	\$62 \$40	
36	February 2021	28	8.49%	\$40 \$21	\$0 \$0	\$40 \$21	
37	March 2021	31	0.00%	\$0	\$0	\$0	
38	Total	365		\$1,374	\$0	\$1,374	
2.0	D.C. IT Will ID I		25	** ** -	A -	60.00-	
39 40	Deferred Tax Without Proration		e 25 - Line 39	\$3,005	\$0 \$0	\$3,005	
40	Proration Adjustment	Line 38	- LIIIC 39	(\$1,632)	\$0	(\$1,632)	

(j) Sum of remaining days in the year (Col (i)) ÷ 365 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Calculation of Fiscal Year 2022 Net Deferred Tax Reserve Electric Proration RI Only Grid Mod - PI Historian Electric

		-		(a)=Sum of (b) through (d)	(b) Vintage Year	(c) Vintage Year	(d) Vintage Year
Line No.	Deferred Tax Subject to Proration			<u>Total</u>	March 31, 2022	March 31, 2021	March 31, 2020
1 2	Book Depreciation Bonus Depreciation	Col (c) = Page 4 of 10 (d) = Page 2 of 1	10, Line 16 + Line 19; 0, Line 16 + Line 19; Col 0, Line 16 + Line 19 f 10, Line 12	\$64,429 \$0	\$0 \$0	\$0	\$64,429
-	Bolius Depreciation		10, Line 18; Col (c) =	Ψ	40		
3	Remaining MACRS Tax Depreciation	Page 5 of 10, Line 18	t; Col (d) = Page 3 of 10, ne 18	(\$16,698)	\$0	\$0	(\$16,698)
			f 10, Line 19; Col (c) = b; Col (d) = Page 3 of 10,				
4	FY22 tax (gain)/loss on retirements		ne 19	\$0	\$0	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of Lin	es 1 through 4	\$47,731	\$0	\$0	\$47,731
6	Effective Tax Rate		Department	21.00%	21.00%	21.00%	21.00%
7	Deferred Tax Reserve	Line 5	5 * Line 6	\$10,023	\$0	\$0	\$10,023
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		f 10, Line 3	\$0	\$0		
9	Cost of Removal	Page 7 of	f 10, Line 20	\$0	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022	** 0.**	0.1.	\$0	\$0		
11 12	Cumulative Book / Tax Timer Effective Tax Rate	Line 8 + Li	ne 9 + Line 10	\$0 21.00%	\$0 21.00%		
13	Deferred Tax Reserve	Line 11	* Line 12	\$0	\$0		
14	Total Deferred Tax Reserve		+ Line 13	\$10,023	\$0	\$0	\$10,023
15	Net Operating Loss		f 10, Line 25	\$0	\$0	\$0	\$0
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$10,023	\$0	\$0	\$10,023
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	,) = Line 5	\$0	\$0		
18 19	Cumulative Book/Tax Timer Not Subject to Proration Total Cumulative Book/Tax Timer		ne 11 7 + Line 18	\$0 \$0	\$0 \$0		
19	Total Cumulative Book/Tax Timer	Line 17	+ Line 18	20	\$0		
20	Total FY 2022 Federal NOL	Col (b) = Page 6	of 10, Line 25 / 21%	\$0	\$0		
21	Allocated FY 2022 Federal NOL Not Subject to Proration		ne 19) * Line 20	\$0	\$0		
22	Allocated FY 2022 Federal NOL Subject to Proration		ne 19) * Line 20	\$0	\$0		
23 24	Effective Tax Rate Deferred Tax Benefit subject to proration		Department 2 * Line 23	21.00% \$0	21.00% \$0		
24	Deferred Tax Benefit subject to protation	Line 22	L. Line 23	30	30		
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24	\$10,023	\$0	\$0	\$10,023
		(i)	(j)				
		Number of Days in		(k)= Sum of (l)			
	Proration Calculation	Month	Proration Percentage	through (n)	(1)	(m)	(n)
26	April 2021	3		\$767	\$0	\$0	\$767
27	May 2021	3		\$696	\$0	\$0	\$696
28	June 2021	3		\$627	\$0	\$0	\$627
29 30	July 2021 August 2021	3		\$556 \$485	\$0 \$0	\$0 \$0	\$556
31	September 2021	3		\$483 \$416	\$0 \$0	\$0 \$0	\$485 \$416
32	October 2021	3		\$346	\$0 \$0	\$0 \$0	\$346
33	November 2021	3		\$277	\$0 \$0	\$0	\$277
34	December 2021	3		\$206	\$0	\$0	\$206
35	January 2022	3		\$135	\$0	\$0	\$135
36	February 2022	2	8 8.49%	\$71	\$0	\$0	\$71
37	March 2022	3		\$0	\$0	\$0	\$0
38	Total	36	5	\$4,581	\$0	\$0	\$4,581
39	Deferred Tax Without Proration		ine 25	\$10,023	\$0	\$0	\$10,023
40	Proration Adjustment	Line 38	3 - Line 39	(\$5,442)	\$0	\$0	(\$5,442)

⁽j) Sum of remaining days in the year (Col (i)) ÷ 365 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Rhode Island Renewable Energy Grid Mod Projects Annual Revenue Requirement Summary - Synergy

Line No.			Six Months Ended March 31, 2019	PST Year Ending March 31, 2020	PST Year Ending March 31, 2021	PST Year Ending March 31, 2022
		Capex - Electric				
1	Feeder Monitoring Sensor		\$0	\$26,261	\$90,772	\$157,450
2	RTU Separation		\$0	\$30,709	\$129,979	\$218,855
3	Combined Capex Total		\$0	\$56,970	\$220,751	\$376,305
		IS Capex - Electric & Gas				
4	Enterprise Service Bus		\$0	\$0	\$0	\$690,204
5	Data Lake		\$0	\$38,174	\$72,857	\$67,378
6	PI Historian		\$0	\$12,325	\$23,522	\$21,753
7	Advanced Analytics		\$0	\$343,346	\$818,728	\$1,024,351
8	Telecommunications		\$0	\$13,088	\$31,650	\$42,581
9	Cybersecurity		\$0	\$431,691	\$1,038,037	\$1,314,878
10	DSCADA		\$0	\$0	\$0	\$0
11	IS Capex Total		\$0	\$838,623	\$1,984,795	\$3,161,144
		O&M - Electric & Gas				
12	Enterprise Service Bus		\$0	\$273,000	\$621,000	\$778,000
13	Data Lake		\$0	\$365,000	\$599,000	\$842,000
14	PI Historian		\$0	\$13,000	\$515,000	\$515,000
15	Advanced Analytics		\$0	\$108,000	\$463,000	\$523,000
16	Telecommunications		\$0	\$0	\$656,000	\$983,000
17	Cybersecurity		\$0	\$2,422,000	\$1,238,000	\$962,000
18	DSCADA		\$0	\$436,000	\$0	\$90,000
19	Feeder Monitoring Sensor		\$0	\$0	\$5,000	\$10,000
20	RTU Separation		\$0	\$60,000	\$60,000	\$60,000
21	GIS Data Enhancements (BR)		\$0	\$0	\$1,028,000	\$1,028,000
22	GIS Data Enhancements (IS)		\$427,000	\$0	\$0	\$0
23	System Data Portal		\$0	\$700,000	\$700,000	\$700,000
24	O&M Total		\$427,000	\$4,377,000	\$5,885,000	\$6,491,000
25	Total Revenue Requirement		\$427,000	\$5,272,594	\$8,090,546	\$10,028,449

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The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Rhode Island Renewable Energy Electric Grid Mod Projects Annual Revenue Requirement Summary - Synergy

Line No.			Six Months Ended March 31, 2019	PST Year Ending March 31, 2020	PST Year Ending March 31, 2021	PST Year Ending March 31, 2022
		Electric Capex				
	E 1 M 2 C		60	£26.261	¢00.772	£157.450
1 2	Feeder Monitoring Sensor		\$0 \$0	\$26,261 \$30,709	\$90,772 \$129,979	\$157,450 \$218,855
3	RTU Separation		\$0 \$0	\$56,970	\$129,979 \$220,751	
3	Electric Capex Total		\$0	\$50,970	\$220,751	\$376,305
		IS Capex - Electric Only				
4	Enterprise Service Bus		\$0	\$0	\$0	\$447,183
5	Data Lake		\$0	\$24,733	\$47,204	\$43,654
6	PI Historian		\$0	\$12,325	\$23,522	\$21,753
7	Advanced Analytics		\$0	\$222,454	\$530,454	\$663,677
8	Telecommunications		\$0	\$8,480	\$20,506	\$27,588
9	Cybersecurity		\$0	\$279,692	\$672,544	\$851,909
10	DSCADA		\$0	\$0	\$0	\$0
11	Electric IS Capex Total		\$0	\$547,684	\$1,294,231	\$2,055,765
		O&M - Electric Only				
12	Enterprise Service Bus		\$0	\$176,877	\$402,346	\$504,066
13	Data Lake		\$0	\$236,484	\$388,092	\$545,532
14	PI Historian		\$0	\$13,000	\$515,000	\$515,000
15	Advanced Analytics		\$0	\$69,973	\$299,978	\$338,852
16	Telecommunications		\$0	\$0	\$425,022	\$636,886
17	Cybersecurity		\$0	\$1,569,214	\$802,100	\$623,280
18	DSCADA		\$0	\$436,000	\$0	\$90,000
19	Feeder Monitoring Sensor		\$0	\$0	\$5,000	\$10,000
20	RTU Separation		\$0	\$60,000	\$60,000	\$60,000
21	GIS Data Enhancements (BR)		\$0	\$0	\$1,028,000	\$1,028,000
22	GIS Data Enhancements (IS)		\$427,000	\$0	\$0	\$0
23	System Data Portal		\$0	\$700,000	\$700,000	\$700,000
24	Electric O&M Total		\$427,000	\$3,261,547	\$4,625,538	\$5,051,615
25	Total Electric Revenue Requirement		\$427,000	\$3,866,201	\$6,140,520	\$7,483,685

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The Narragansett Electric Company d/b/a National Grid Power Sector Transformation (PST) Rhode Island Renewable Energy Gas Grid Mod Projects Annual Revenue Requirement Summary - Synergy

Line No.		Six Months Ended March 31, 2019	PST Year Ending March 31, 2020	PST Year Ending March 31, 2021	PST Year Ending March 31, 2022
	Gas Capex				
1	Feeder Monitoring Sensor	\$0	\$0	\$0	\$0
2	RTU Separation	\$0	\$0	\$0	\$0
3	Gas Capex Total	\$0	\$0	\$0	\$0
	IS Capex - Gas On	ly			
4	Enterprise Service Bus	\$0	\$0	\$0	\$243,021
5	Data Lake	\$0	\$13,441	\$25,653	\$23,724
6	PI Historian	\$0	\$0	\$0	\$0
7	Advanced Analytics	\$0	\$120,892	\$288,274	\$360,674
8	Telecommunications	\$0	\$4,608	\$11,144	\$14,993
9	Cybersecurity	\$0	\$151,998	\$365,493	\$462,968
10	DSCADA	\$0	\$0	\$0	\$0
11	Gas IS Capex Total	\$0	\$290,940	\$690,564	\$1,105,380
	O&M - Gas Only				
12	Enterprise Service Bus	\$0	\$96,123	\$218,654	\$273,934
13	Data Lake	\$0	\$128,517	\$210,908	\$296,468
14	PI Historian	\$0	\$0	\$0	\$0
15	Advanced Analytics	\$0	\$38,027	\$163,022	\$184,148
16	Telecommunications	\$0	\$0	\$230,978	\$346,114
17	Cybersecurity	\$0	\$852,786	\$435,900	\$338,720
18	DSCADA	\$0	\$0	\$0	\$0
19	Feeder Monitoring Sensor	\$0	\$0	\$0	\$0
20	RTU Separation	\$0	\$0	\$0	\$0
21	GIS Data Enhancements (BR)	\$0	\$0	\$0	\$0
22	GIS Data Enhancements (IS)	\$0	\$0	\$0	\$0
23	System Data Portal	\$0	\$0	\$0	\$0
24	Gas O&M Total	\$0	\$1,115,453	\$1,259,462	\$1,439,385
25	Total Gas Revenue Requirement	\$0	\$1,406,393	\$1,950,026	\$2,544,764

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Grid Synergy - DSCADA & ADMS Annual Revenue Requirement Summary

Line No.	The control of the co		March	ar Ending 31, 2019 a)		al Year Ending arch 31, 2020 (b)	Fiscal Year E March 31, 2 (c)			Year Ending ch 31, 2022 (d)
	Electric Operation and Maintenance (O&M) Expenses:						_		_	
1	System Data Portal		S	-	\$	-	\$	-	\$	-
2	Feeder Monitoring Sensors		S	-	\$	-	\$	-	\$	-
3	RTU Separation		\$	-	\$	-	\$	-	\$	-
4	GIS Data Enhancement		S	-	\$	-	\$	-	\$	-
5	DSCADA & ADMS		S	-	\$	436,000	\$	-	\$	90,000
6	GIS Data Enhancement		S	-	\$	-	\$	-	\$	-
7	Enterprise Service Bus		S	-	\$	-	\$	-	\$	-
8	Data Lake		\$	-	\$	-	\$	-	S	-
9	PI Historian		\$	-	\$	-	\$	-	\$	-
10	Advanced Analytics		\$	-	\$	-	\$	-	\$	-
11	Telecommunications		\$	-	\$	-	\$	-	\$	-
12	Cybersecurity		\$	-	\$	-	\$	-	\$	-
13	Total Electric O&M costs	Sum of Lines 1 through 12	\$		\$	436,000	\$	-	\$	90,000
		· ·								
	Gas Operation and Maintenance (O&M) Expenses:						_		_	
14	DSCADA & ADMS		\$	-	\$	-	\$	-	\$	-
15	GIS Data Enhancement		\$	-	\$	-	\$	-	\$	-
16	Enterprise Service Bus		\$	-	\$	-	\$	-	\$	-
17	Data Lake		S	-	\$	-	\$	-	\$	-
18	PI Historian		S	-	\$	-	\$	-	\$	-
19	Advanced Analytics		\$	-	\$	-	\$	-	S	-
20	Telecommunications		\$	-	\$	-	\$	-	\$	-
21	Cybersecurity		\$	-	\$	-	\$	-	\$	-
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$	-	\$	-	\$	-	\$	-
22	Tatal OSM Foregrees	Line 13 + Line 22	¢		s	436,000	e			90,000
23	Total O&M Expenses	Line 13 + Line 22	\$	-	3	436,000	3		\$	90,000
24	Electric Capital Investment:									
25	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment					\$0		\$0		\$0
26	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2021 Capital Investment							\$0		\$0
27	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2022 Capital Investment									\$0
28	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through 27		-		\$0		\$0		\$0
		_								•
29	Gas Capital Investment:									
30	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment					\$0		\$0		\$0
31	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2021 Capital Investment							\$0		\$0
32	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2022 Capital Investment							90		\$0
	Estimated revenue requirement on risear rear Estating Water 51, 2022 cupital investment									30
33	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 30 through 32		-		\$0		\$0		\$0
24	Total Electric December Provincement	Lina 12 Lina 20	-			\$436,000		\$0		\$90,000
34	Total Electric Revenue Requirement	Line 13 + Line 28		-		\$450,000		3 0		\$20,000
35	Total Gas Revenue Requirement	Line 22 + Line 33		•		\$0		\$0		\$0
36	Total Electric & Gas Revenue Requirement	Line 34 + Line 35		-	\$	436,000	\$	-	\$	90,000

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d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2020 Synergy Grid Mod - DSCADA & ADMS Electric

Line No.			Fiscal Year Ending March 31, 2020	Fiscal Year Ending March 31, 2021	Fiscal Year Ending March 31, 2022
	T		(a)	(b)	(c)
	Estimated Capital Investment				
1	Feeder Monitor Sensors		\$0	\$0	\$0
2	RTU Separation		\$0	\$0	\$0
3	DSCADA & ADMS		\$0	\$0	\$0
4	Total Estimated Capital Investment	Line 1 + Line 2	\$0	\$0	\$0
	Depreciable Net Capital Included in Rate Base				
5	Total Allowed Capital Included in Rate Base in Current Year	Line 4	\$0	\$0	\$0
6	Retirements	Line 4 * 0%	\$0	\$0	\$0
7	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b and c) = Prior Year Line 6	\$0	\$0	\$0
	Change in Net Capital Included in Rate Base				
8	Capital Included in Rate Base	Line 4	\$0	\$0	\$0
9	Cost of Removal		\$0	\$0	\$0
10	Total Net Plant in Service Including Cost of Removal	Line 7 + Line 9	\$0	\$0	\$0
	Tax Depreciation				
11	Vintage Year Tax Depreciation:				
12	FY 2020 Spend	Page 3 of 10, Line 21	\$0	\$0	\$0
13	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11	\$0	\$0	\$0
	Book Depreciation				
14	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.89%	2.89%	2.89%
15	Book Depreciation	Column (a) = Line 1 * Line 13 * 50%; Column (b and c) = Line 1 * Line 13	\$0	\$0	\$0
16	Cumulative Book Depreciation	Prior Year Line 15 + Current Year Line 14	\$0	\$0	\$0
17	Total Cumulative Book Depreciation	Line 19 + Line 16	\$0	\$0	\$0
	Deferred Tax Calculation:				
18	Cumulative Book / Tax Timer	Line 13 - Line 17	\$0	\$0	\$0
19 20	Effective Tax Rate Deferred Tax Reserve	Line 18 * Line 19	21.00%	21.00% \$0	21.00%
21	Less: FY 2020 Federal NOL	Line 18 · Line 19			\$ -
	Edis I I Even I dani I To E	Col (a) = Page 8 of 10, Line 40; Col (b) = Page 9 of 10, Line 40; Col (c) = Page	•		
22	Less: Proration Adjustment	10 of 10, Line 40			\$ -
23	Net Deferred Tax Reserve	Sum of Lines 20 through 22	\$0	\$0	\$0
	Rate Base Calculation:				
24	Cumulative Incremental Capital Included in Rate Base	Line 10			s -
25	Accumulated Depreciation	- Line 17	\$0	\$0	\$0
26 27	Deferred Tax Reserve Year End Rate Base	- Line 23 Sum of Lines 24 through 26	\$0 \$	\$0 \$0	\$0 \$0
21	i ear End Rate Base	Sum of Lines 24 through 26	3 -	20	30
	Revenue Requirement Calculation:				
		Column (a) = Current Year Line 29 ÷ 2; Column (b and c) = (Prior Year Line			
28 29	Average Rate Base Pre-Tax ROR	29 + Current Year Line 39) ÷ 2	\$0 / 8.80%	\$0 8.80%	\$0 8.80%
30	Return and Taxes	Line 28 * Line 29	\$0	8.80% \$0	\$0.80%
31	Book Depreciation	Line 15 - Line 18	\$0	\$0	\$0
32	Annual Revenue Requirement	#REF!	\$0	\$0	\$0
	T	•			

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%
				·	

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Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2020 Electric Capital Investments

Synergy Grid Mod - DSCADA & ADMS Electric

Line			Fiscal Year Ending March 31, 2020	Fiscal Year Ending March 31, 2021	Fiscal Year Ending March 31, 2022
No.			(a)	(b)	(c)
	Capital Repairs Deduction				
1	Plant Additions	Page 2 of 10, Line 4	\$0		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$0		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0		
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 0%	0.00%		
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$0		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$0		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$0		
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%	6.677%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0	\$0
19	FY20 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 10, Line 9	\$0	**	**
		,			
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$0	\$0	\$0

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST)

Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2021 Synergy Grid Mod - DSCADA & ADMS Electric

Line <u>No.</u>			Fiscal Year Ending March 31, 2021 (a)	Fiscal Year Ending March 31, 2022 (b)
	Estimated Capital Investment		(=)	(-)
1	Feeder Monitor Sensors		\$0	
2	RTU Separation		\$0	
3	DSCADA & ADMS	T. 1.T. 2	\$0	
4	Total Estimated Capital Investment	Line 1 + Line 2	\$0	\$0
	Depreciable Net Capital Included in Rate Base			
5 6	Total Allowed Capital Included in Rate Base in Current Year Retirements	Line 4 Line 4 * 0%	\$0 \$0	\$0 \$0
7	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	\$0	\$0
	Change in Net Capital Included in Rate Base			
8	Capital Included in Rate Base	Line 4	\$0	\$0
	•			
9	Cost of Removal		\$0	\$0
10	Total Net Plant in Service Including Cost of Removal	Line 7 + Line 9	\$0	\$0
	Tax Depreciation			
11	Vintage Year Tax Depreciation:			
12	FY 2021 Spend	Page 5 of 10, Line 21	\$0	\$0
13	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11	\$0	\$0
	Book Depreciation			
14	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.89%	2.89%
15	Book Depreciation	Column (a) = Line 1 * Line 13 * 50%; Column (b) = Line 1 * Line 13	\$0	\$0
16	Cumulative Book Depreciation	Prior Year Line 15 + Current Year Line 14	\$0	\$0
17	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.09%	2.09%
18	Book Depreciation	Column (a) = Line 2 * Line 16 * 50%; Column (b) = Line 2 * Line 16	\$0	\$0
19	Cumulative Book Depreciation	Prior Year Line 18 + Current Year Line 17	\$0	\$0
20	Total Cumulative Book Depreciation	Line 19 + Line 16	\$0	\$0
	Deferred Tax Calculation:			
21	Cumulative Book / Tax Timer	Line 13 - Line 20	\$0	\$0
22	Effective Tax Rate	1: 21*1: 22	21.00%	21.00%
23 24	Deferred Tax Reserve Less: FY 2021 Federal NOL	Line 21 * Line 22	\$0 \$0	\$0 \$0
25	Less: Proration Adjustment	Col (a) = Page 9 of 10, Line 40; Col (b) = Page 10 of 10, Line 40	\$0	\$0
26	Net Deferred Tax Reserve	Sum of Lines 23 through 25	\$0	\$0
	Rate Base Calculation:			
27	Cumulative Incremental Capital Included in Rate Base	Line 10	\$ -	\$0
28	Accumulated Depreciation	- Line 20	\$0	\$0
29	Deferred Tax Reserve	- Line 26	\$0	\$0
30	Year End Rate Base	Sum of Lines 27 through 29	<u> </u>	\$0
	Revenue Requirement Calculation:			
	n. n.	Column (a) = Current Year Line 29 ÷ 2; Column (b) = (Prior Year Line		_
31	Average Rate Base	29 + Current Year Line 29) ÷ 2	\$0.00 / 8.80%	\$0
32 33	Pre-Tax ROR Return and Taxes	1/ Line 31 * Line 32	8.80% \$0	8.80% \$0
34	Book Depreciation	Line 32 Line 15 + Line 18	\$0 \$0	\$0 \$0
35	Property Taxes	Tax Rate 3.176% MAL-7 - Columns (b) Line 9 * 3.176%	\$0	\$0
36	Annual Revenue Requirement	Sum of Lines 33 through 35	\$0	\$0
30	Annous Revenue Requirement	Sum of Lines 33 through 33	30	30

1/ Weighted Average	Cost of Capital as fil	e in R.I.P.U.C. Do	cket No. 4770. Sch	edule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

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Power Sector Transformation (PST)

Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2021 Electric Capital Investments Synergy Grid Mod - DSCADA & ADMS Electric

			Fiscal Year Ending	Fiscal Year Ending
Line			March 31, 2021	March 31, 2022
No.			(a)	(b)
	Capital Repairs Deduction			
1	Plant Additions	Page 4 of 10, Line 4	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$0	
14	Less Capital Repairs Deduction	Line 3	\$0	
15	Less Bonus Depreciation	Line 12	\$0	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%	7.219%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 4 of 10, Line 9	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0	\$0

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Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2022 Synergy Grid Mod - DSCADA & ADMS Electric

Feeder Monitor Sensors \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	Line No.			Fiscal Year Ending March 31, 2022 (a)
2 RTU Separation \$0 3 DSCADA & ADMS \$0 Despeciable Net Capital Included in Rate Base 5 Total Estimated Capital Included in Rate Base Line 4 \$0 6 Retirements Line 4 + 0% \$0 7 Net Depreciable Capital Included in Rate Base Column (a) – Line 4 - Line 5 \$0 8 Capital Included in Rate Base Line 4 + 0% \$0 Change in Net Capital Included in Rate Base Line 7 - Line 9 \$0 Tax Depreciation Line 7 - Line 9 \$0 Tax Depreciation Page 7 of 10, Line 21 \$0 12 PY 2022 Spend Page 7 of 10, Line 21 \$0 13 Cumulative Tax Depreciation Prior Year Line 12 - Current Year Line 13 \$0 14 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.89% 15 Book Depreciation Column (a) – Line 1 * Line 13 * 50% \$0 16 Cumulative Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% 17 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% 18 Book Depreciation Cumulative Book Per Cat		Estimated Capital Investment		(4)
DSCADA & ADMS	1	Feeder Monitor Sensors		\$0
Total Estimated Capital Investment Eine 1 + Line 2 So				
Depreciable Net Capital Included in Rate Base Line 4 So Retirements Line 4 * 0% So Net Depreciable Capital Included in Rate Base Column (a) = Line 4 * Line 5 So				
Total Allowed Capital Included in Rate Base in Current Year Line 4 * 0%	4	Total Estimated Capital Investment	Line 1 + Line 2	\$0
Retirements				
Net Depreciable Capital Included in Rate Base Column (a) = Line 4 - Line 5 S0				* *
Clange in Net Capital Included in Rate Base Line 4 \$0				
Capital Included in Rate Base Line 4 S0	,	Net Depreciate Capital included in Nate Base	Column (a) – Ellie 4 - Ellie 3	50
Total Net Plant in Service Including Cost of Removal Line 7 + Line 9 \$0				
Total Net Plant in Service Including Cost of Removal Line 7 + Line 9 So	8	Capital Included in Rate Base	Line 4	\$0
Tax Depreciation	9	Cost of Removal		\$0
11	10	Total Net Plant in Service Including Cost of Removal	Line 7 + Line 9	\$0
11		Tax Depreciation		
12 FY 2022 Spend	11	*		
Book Depreciation Composite Book Depreciation Rate	12		Page 7 of 10, Line 21	\$0
14 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.89% 15 Book Depreciation Column (a) = Line 1* Line 13 * 50% \$0 16 Cumulative Book Depreciation Current Year Line 14 \$0 17 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% 18 Book Depreciation Column (a) = Line 2* Line 16 * 50% \$0 19 Cumulative Book Depreciation Current Year Line 16 \$0 20 Total Cumulative Book Depreciation Line 16 + Line 19 \$0 20 Total Cumulative Book Depreciation Line 13 - Line 20 \$0 21 Cumulative Book / Tax Timer Line 13 - Line 20 \$0 22 Effective Tax Rate Line 21 * Line 22 \$0 23 Deferred Tax Reserve Line 21 * Line 22 \$0 24 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 25 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 26 Net Deferred Tax Reserve Line 20 \$0 </td <td>13</td> <td>Cumulative Tax Depreciation</td> <td>Prior Year Line 12 + Current Year Line 13</td> <td>\$0</td>	13	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 13	\$0
15 Book Depreciation		Book Depreciation		
16 Cumulative Book Depreciation Current Year Line 14 \$0 17 Composite Book Depreciation Rate As approved per R.I.P.U.C. Docket No. 4770 2.09% 18 Book Depreciation Column (a) = Line 2* Line 16 * 50% \$0 19 Cumulative Book Depreciation Current Year Line 16 \$0 20 Total Cumulative Book Depreciation Line 16 + Line 19 \$0 21 Cumulative Book / Tax Timer Line 13 - Line 20 \$0 22 Effective Tax Rate 21.00% \$0 23 Deferred Tax Reserve Line 21 * Line 22 \$0 24 Less: PY 2022 Federal NOL \$0 \$0 25 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 26 Net Deferred Tax Reserve Sum of Lines 23 through 25 \$0 27 Cumulative Incremental Capital Included in Rate Base Line 10 \$ - 28 Accumulated Depreciation \$ - 29 Deferred Tax Reserve \$ - \$ 0 30 Year End Rate Base Column (a) = Current Year Line				
Composite Book Depreciation Rate				* * * * * * * * * * * * * * * * * * * *
Book Depreciation	16	Cumulative Book Depreciation	Current Year Line 14	\$0
Cumulative Book Depreciation	17	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.09%
Deferred Tax Calculation: 21				
Deferred Tax Calculation: 21	19	Cumulative Book Depreciation	Current Year Line 16	\$0
Cumulative Book / Tax Timer	20	Total Cumulative Book Depreciation	Line 16 + Line 19	\$0
22 Effective Tax Rate Line 21 * Line 22 20 23 Deferred Tax Reserve Line 21 * Line 22 \$0 24 Less: FY 2022 Federal NOL \$0 25 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 26 Net Deferred Tax Reserve Sum of Lines 23 through 25 \$0 Rate Base Calculation: 27 Cumulative Incremental Capital Included in Rate Base Line 10 \$ - 28 Accumulated Depreciation - Line 20 \$0 29 Deferred Tax Reserve - Line 26 \$0 30 Year End Rate Base Sum of Lines 27 through 29 \$ - Revenue Requirement Calculation: 31 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0				
23 Deferred Tax Reserve Line 21 * Line 22 \$0 24 Less: FY 2022 Federal NOL \$0 25 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 26 Net Deferred Tax Reserve Sum of Lines 23 through 25 \$0 Rate Base Calculation: Sum of Lines 23 through 25 \$0 Rate Base Calculation: Sum of Lines 23 through 25 \$0 Rate Base Calculation: Sum of Lines 23 through 25 \$0 Rate Base Calculation: Sum of Lines 20 \$0 Page Tax Reserve Line 10 \$0 Page Tax Reserve Sum of Lines 20 \$0 Page Tax Reserve Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0 Revenue Requirement Calculation: Sum of Lines 27 through 29 \$0			Line 13 - Line 20	• •
Less: FY 2022 Federal NOL S0				
25 Less: Proration Adjustment Col (a) = Page 10 of 10, Line 40 \$0 26 Net Deferred Tax Reserve Sum of Lines 23 through 25 \$0 Rate Base Calculation: 27 Cumulative Incremental Capital Included in Rate Base Line 10 \$ - 28 Accumulated Depreciation - Line 20 \$0 29 Deferred Tax Reserve - Line 26 \$0 29 Year End Rate Base Sum of Lines 27 through 29 \$ - Revenue Requirement Calculation: 31 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0			Line 21 * Line 22	
Rate Base Calculation: Line 10 \$ - 28 Accumulative Incremental Capital Included in Rate Base Line 10 \$ - 28 Accumulated Depreciation - Line 20 \$0 29 Deferred Tax Reserve - Line 26 \$0 30 Year End Rate Base Sum of Lines 27 through 29 \$ - Revenue Requirement Calculation: 31 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0			Col(a) = Page 10 of 10 Line 40	
27 Cumulative Incremental Capital Included in Rate Base Line 10 \$ - 28 Accumulated Depreciation - Line 20 \$0 29 Deferred Tax Reserve - Line 26 \$0 30 Year End Rate Base Sum of Lines 27 through 29 \$ - Revenue Requirement Calculation: 31 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0		,		
27 Cumulative Incremental Capital Included in Rate Base Line 10 \$ - 28 Accumulated Depreciation - Line 20 \$0 29 Deferred Tax Reserve - Line 26 \$0 30 Year End Rate Base Sum of Lines 27 through 29 \$ - Revenue Requirement Calculation: 31 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0		Rate Base Calculation:		
29 Deferred Tax Reserve - Line 26 \$0 30 Year End Rate Base Sum of Lines 27 through 29 \$ Revenue Requirement Calculation: 31 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0	27		Line 10	\$ -
30 Year End Rate Base Sum of Lines 27 through 29 \$	28	*	- Line 20	\$0
Revenue Requirement Calculation: 31 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0				\$0
31 Average Rate Base Column (a) = Current Year Line 29 ÷ 2 \$0 32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0	30	Year End Rate Base	Sum of Lines 27 through 29	\$ -
32 Pre-Tax ROR 1/ 8.80% 33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0				
33 Return and Taxes Line 31 * Line 32 \$0 34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0				
34 Book Depreciation Line 15 + Line 18 \$0 35 Property Taxes Tax Rate 3.176% MAL-7 \$0				
35 Property Taxes Tax Rate 3.176% MAL-7 \$0				• • • • • • • • • • • • • • • • • • • •
	36		Sum of Lines 33 through 35	¢n.

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

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Power Sector Transformation (PST)

Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2022 Electric Capital Investments Synergy Grid Mod - DSCADA & ADMS Electric

Line			Fiscal Year Ending March 31, 2022
No.			(a)
	Capital Repairs Deduction		
1	Plant Additions	Page 6 of 10, Line 4	\$0
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Bonus Depreciation Rate (April 2021 - December 2021)	0%	0.00%
10	Bonus Depreciation Rate (January 2022 - Mar 2022)	0%	0.00%
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$0
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	3.750%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 6 of 10, Line 9	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0

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Calculation of Fiscal Year 2020 Net Deferred Tax Reserve Electric Proration Synergy Grid Mod - DSCADA & ADMS Electric

					(a)= Column (b)	(b)	
Line	Defensed Ton Cubinet to Decretion				T-4-1	Vintage Year	
<u>No.</u>	Deferred Tax Subject to Proration	D 2 -£10	16 Time	. 10	Total \$0	March 31, 2020 \$0	
1 2	Book Depreciation Bonus Depreciation	Page 2 of 10,	f 10, Line 12	: 18	\$0 \$0	\$0 \$0	
3	Remaining MACRS Tax Depreciation		f 10, Line 12		\$0 \$0	\$0 \$0	
4	FY20 tax (gain)/loss on retirements		f 10, Line 18		\$0 \$0	\$0 \$0	
5	Cumulative Book / Tax Timer	-	ies 1 through 4		\$0 \$0	\$0 \$0	
6	Effective Tax Rate	Sulli of Lii	ies i tiliough 4	•	21.00%	21.00%	
7	Deferred Tax Reserve	Lina	5 * Line 6		\$0	\$0	
,	Deterred Tax Reserve	Line	Line		\$0	50	
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction	Page 3 o	of 10, Line 3		\$0	\$0	
9	Cost of Removal	Page 3 o	f 10, Line 20		\$0	\$0	
10	Book/Tax Depreciation Timing Difference at 3/31/2020				\$0	\$0	
11	Cumulative Book / Tax Timer	Line 8 + Li	ne 9 + Line 10)	\$0	\$0	
12	Effective Tax Rate				21.00%	21.00%	
13	Deferred Tax Reserve	Line 11	* Line 12		\$0	\$0	
14	Total Deferred Tax Reserve	Line 7	+ Line 13		\$0	\$0	
15	Net Operating Loss		f 10, Line 21		\$0	\$0	
16	Net Deferred Tax Reserve		+ Line 15		\$0	\$0	
10	The Beleffed Tax Reserve	Line 1	Line 15		Ψ0	Ψ0	
	Allocation of FY 2020 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	Col (b) = Line 5		\$0	\$0	
18	Cumulative Book/Tax Timer Not Subject to Proration	Li	ne 11		\$0	\$0	
19	Total Cumulative Book/Tax Timer	Line 17	7 + Line 18		\$0	\$0	
20	Total FY 2020 Federal NOL	Page 2 of 10), Line 21 / 21	%	\$0	\$0	
21	Allocated FY 2020 Federal NOL Not Subject to Proration		ne 19) * Line		\$0	\$0	
22	Allocated FY 2020 Federal NOL Subject to Proration		ne 19) * Line		\$0	\$0	
23	Effective Tax Rate	,	Department	20	21.00%	21.00%	
24	Deferred Tax Benefit subject to proration		2 * Line 23		\$0	\$0	
					-	**	
25	Net Deferred Tax Reserve subject to proration	Line 7	+ Line 24		\$0	\$0	
		(i)	G.)			
		Number of Days in					
	Proration Calculation	Month	Proration P	ercentage	(k)= Sum of (l)	(1)	
26	April 2019		0	91.78%	(k) Sum of (i)	\$0	
27	May 2019	3		83.29%	\$0	\$0	
28	June 2019		0	75.07%	\$0	\$0	
29	July 2019		1	66.58%	\$0	\$0	
30	August 2019	3	1	58.08%	\$0	\$0	
31	September 2019	3	0	49.86%	\$0	\$0	
32	October 2019	3	1	41.37%	\$0	\$0	
33	November 2019	3	0	33.15%	\$0	\$0	
34	December 2019		1	24.66%	\$0	\$0	
35	January 2020	3	1	16.16%	\$0	\$0	
36	February 2020	2	8	8.49%	\$0	\$0	
37	March 2020	3	1	0.00%	\$0	\$0	
38	Total	36	5		\$0	\$0	
20	D.C. LT. Will . D		2.5		<u> </u>		
39	Deferred Tax Without Proration		ne 25		\$0	\$0	
40	Proration Adjustment	Line 3	8 - Line 39		\$0	\$0	

- (j) Sum of remaining days in the year (Col (i)) \div 365
- (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST)

Calculation of Fiscal Year 2021 Net Deferred Tax Reserve Electric Proration Synergy Grid Mod - DSCADA & ADMS Electric

(a)=Sum of (b)

				through (c)	(b)	(c)	
				unougn (c)	Vintage Year	Vintage Year	
Line				Total	March 31, 2021	March 31, 2020	
No.	Deferred Tax Subject to Proration			Total	Water 51, 2021	Waren 51, 2020	
110.	Deterred Tax Subject to Frontion						
1	Book Depreciation		Line 15 + Line 18 ;Col				
			Line 15 + Line 18	\$0	\$0	\$0	
2	Bonus Depreciation	Page 5 of	10, Line 12	\$0	\$0		
3	Remaining MACRS Tax Depreciation	Col(b) = Page 5 of 10,	Line 18 ;Col (c) = Page				
,	Tenaning in teres tan Depresanten	3 of 10,	Line 18	\$0	\$0	\$0	
		Col(b) = Page 5 of 10,	Line 19 ;Col (c) = Page				
4	FY21 tax (gain)/loss on retirements	3 of 10,	Line 19	\$0	\$0	\$0	
5	Cumulative Book / Tax Timer	Sum of Line	s 1 through 4	\$0	\$0	\$0	
6	Effective Tax Rate	Per Tax De	partment	21.00%	21.00%	21.00%	
7	Deferred Tax Reserve	Line 5	* Line 6	\$0	\$0	\$0	
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		10, Line 3	\$0	\$0		
9	Cost of Removal	Page 7 of	10, Line 20	\$0	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2021			\$0	\$0		
11	Cumulative Book / Tax Timer	Line 8 + Lin	e 9 + Line 10	\$0	\$0		
12	Effective Tax Rate			21.00%	21.00%		
13	Deferred Tax Reserve	Line 11	* Line 12	\$0	\$0		
14	Total Deferred Tax Reserve		Line 13	\$0	\$0	\$0	
15	Net Operating Loss		10, Line 24	\$0	\$0	\$0	
16	Net Deferred Tax Reserve	Line 14	+ Line 15	\$0	\$0	\$0	
	Allocation of FY 2021 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	Col (b)	= Line 5	\$0	\$0		
18	Cumulative Book/Tax Timer Subject to Proration		e 11	\$0 \$0	\$0 \$0		
19	Total Cumulative Book/Tax Timer		+ Line 18	\$0 \$0	\$0 \$0		
1)	Total Culturative Book Tax Times	Line 17	Line 16	30	30		
20	Total FY 2021 Federal NOL	Col (b) = Page 4 o	f 10, Line 24 / 21%	\$0	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration		e 19) * Line 20	\$0	\$0		
22	Allocated FY 2021 Federal NOL Subject to Proration	*	e 19) * Line 20	\$0	\$0		
23	Effective Tax Rate	Per Tax De		21.00%	21.00%		
24	Deferred Tax Benefit subject to proration		* Line 23	\$0	\$0		
	, ,						
25	Net Deferred Tax Reserve subject to proration	Line 7 +	Line 24	\$0	\$0	\$0	
		(i)	(j)				
		Number of Days in		(k)= Sum of (1)			
	Proration Calculation	Month	Proration Percentage	through (m)	(1)	(m)	
26	April 2020	30	91.78%	\$0	\$0	\$0	
27	May 2020	31	83.29%	\$0	\$0	\$0	
28	June 2020	30	75.07%	\$0	\$0	\$0	
29	July 2020	31	66.58%	\$0	\$0	\$0	
30	August 2020	31	58.08%	\$0	\$0	\$0	
31	September 2020	30	49.86%	\$0	\$0	\$0	
32	October 2020	31	41.37%	\$0	\$0	\$0	
33	November 2020	30	33.15%	\$0	\$0	\$0	
34	December 2020	31	24.66%	\$0	\$0	\$0	
35	January 2021	31	16.16%	\$0	\$0	\$0	
36	February 2021	28	8.49%	\$0	\$0	\$0	
37	March 2021	31	0.00%	\$0	\$0	\$0	
38	Total	365		\$0	\$0	\$0	
20	D. C. and T. an With and D. and in		- 25	60	do.	60	
39 40	Deferred Tax Without Proration		e 25	\$0 \$0	\$0 \$0	\$0 \$0	
40	Proration Adjustment	Line 38	- Line 39	\$0	\$0	20	

 ⁽j) Sum of remaining days in the year (Col (i)) ÷ 365
 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST)

Calculation of Fiscal Year 2022 Net Deferred Tax Reserve Electric Proration Synergy Grid Mod - DSCADA & ADMS Electric

		s,g,		(a)=Sum of (b) through (d)	(b) Vintage Year	(c) Vintage Year	(d) Vintage Year
Line	De la cli de D			<u>Total</u>	March 31, 2022	March 31, 2021	March 31, 2020
No.	Deferred Tax Subject to Proration						
1	Book Depreciation	Col(c) = Page 4 o Col(d) = Page 2 o	f 10, Line 15 + Line 18; f 10, Line 15 + Line 18; f 10, Line 15 + Line 18	\$0	\$0	\$0	\$0
2	Bonus Depreciation		of 10, Line 12	\$0	\$0		
3	Remaining MACRS Tax Depreciation	Page 5 of 10, Line 1	f 10, Line 18; Col (c) = 8; Col (d) = Page 3 of 10, ine 18	\$0	\$0	\$0	\$0
			f 10, Line 19; Col (c) = 9; Col (d) = Page 3 of 10,				
4	FY22 tax (gain)/loss on retirements		ine 19	\$0	\$0	\$0	\$0
5	Cumulative Book / Tax Timer		nes 1 through 4	\$0	\$0	\$0	\$0
6	Effective Tax Rate		Department	21.00%	21.00%	21.00%	21.00%
7	Deferred Tax Reserve	Line	5 * Line 6	\$0	\$0	\$0	\$0
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction		of 10, Line 3	\$0	\$0		
9	Cost of Removal	Page 7 c	of 10, Line 20	\$0	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022			\$0	\$0		
11	Cumulative Book / Tax Timer	Line 8 + L	ine 9 + Line 10	\$0	\$0		
12 13	Effective Tax Rate Deferred Tax Reserve	T to 1	1 * Line 12	21.00% \$0	21.00% \$0		
13	Deterred Tax Reserve	Line i	1 · Line 12	\$0	30		
14	Total Deferred Tax Reserve		7 + Line 13	\$0	\$0	\$0	\$0
15	Net Operating Loss		of 10, Line 24 4 + Line 15	\$0	\$0	\$0 \$0	\$0 \$0
16	Net Deferred Tax Reserve	Line I	4 + Line 15	\$0	\$0	20	\$0
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration		b) = Line 5	\$0	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration		ine 11	\$0	\$0		
19	Total Cumulative Book/Tax Timer	Line I	7 + Line 18	\$0	\$0		
20	Total FY 2022 Federal NOL	Col (b) = Page 6	of 10, Line 24 / 21%	\$0	\$0		
21	Allocated FY 2022 Federal NOL Not Subject to Proration		ine 19) * Line 20	\$0	\$0		
22	Allocated FY 2022 Federal NOL Subject to Proration		ine 19) * Line 20	\$0	\$0		
23	Effective Tax Rate		Department	21.00%	21.00%		
24	Deferred Tax Benefit subject to proration	Line 2	2 * Line 23	\$0	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7	7 + Line 24	\$0	\$0	\$0	\$0
		(i)	(j)				
		Number of Days in	<u>L</u>	(k)= Sum of (l)			
	Proration Calculation	Month	Proration Percentage	through (n)	(1)	(m)	(n)
26	April 2021	3	91.78%	\$0	\$0	\$0	\$0
27	May 2021	3	31 83.29%	\$0	\$0	\$0	\$0
28	June 2021		75.07%	\$0	\$0	\$0	\$0
29	July 2021		31 66.58%	\$0	\$0	\$0	\$0
30	August 2021		31 58.08%	\$0	\$0	\$0	\$0
31	September 2021		30 49.86%	\$0	\$0	\$0	\$0
32	October 2021		31 41.37%	\$0	\$0	\$0	\$0
33	November 2021		30 33.15% 31 24.66%	\$0	\$0	\$0	\$0
34	December 2021			\$0	\$0	\$0	\$0
35 36	January 2022 February 2022		31 16.16% 28 8.49%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
36	March 2022		28 8.49% 31 0.00%	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
38	Total	36		\$0	\$0 \$0	\$0 \$0	\$0
20	B. 0. 15 W. 1. B	_					
39 40	Deferred Tax Without Proration Proration Adjustment		ine 25 8 - Line 39	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
.0		Line 3		90	90	90	30

⁽j) Sum of remaining days in the year (Col (i)) ÷ 365 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Grid Mod Synergy - PI Historian Annual Revenue Requirement Summary

Synergy Gric

Line No.				Year Ending h 31, 2019		al Year Ending arch 31, 2020		iscal Year Ending March 31, 2021		d Year Ending arch 31, 2022
				(a)		(b)		(c)		(d)
	Electric Operation and Maintenance (O&M) Expenses:		_		_		_		_	
1	System Data Portal		s	-	\$	-	\$	-	\$	-
2	Feeder Monitoring Sensors		S	-	\$	-	\$	-	S	-
3	RTU Separation		s	-	\$	-	\$	-	\$	-
4	GIS Data Enhancement		S	-	\$	-	\$	-	S	-
5	DSCADA & ADMS		S	-	\$	-	\$	-	\$	-
6	GIS Data Enhancement		s	-	\$	-	\$	-	\$	-
7	Enterprise Service Bus		S	-	\$	-	\$	-	S	-
8	Data Lake			-	\$	-	\$		\$	
9	PI Historian		S S	-	\$ \$	13,000	\$		\$	515,000
10	Advanced Analytics			-	-	-	\$		\$	-
11	Telecommunications		S	-	\$ \$	-	\$ \$		\$	-
12	Cybersecurity	6	\$		-	13,000			\$ \$	515,000
13	Total Electric O&M costs	Sum of Lines 1 through 12	э	-	\$	13,000	э	515,000	3	515,000
	Gas Operation and Maintenance (O&M) Expenses:									
14	DSCADA & ADMS		s		\$		\$		s	
15	GIS Data Enhancement		S	-	\$	-	\$	-	S	-
16	Enterprise Service Bus		S	-	\$	-	\$	•	S	-
17	Data Lake		\$	-	\$	-	\$	-	S	-
18	PI Historian		S	-	\$	-	\$	-	S	-
19	Advanced Analytics		S	-	\$	-	\$	•	S	-
20	Telecommunications		S	-	\$	-	\$	-	\$	-
21	Cybersecurity		S	-	S	-	\$		s S	-
22	Total Gas O&M costs	Sum of Lines 14 through 21	\$		\$	-	\$		\$	
22	Total Gas Okin Costs	Sum of Lines 14 unough 21	φ		φ	•	φ	•	Ţ	•
23	Total O&M Expenses	Line 13 + Line 22	\$	-	\$	13,000	\$	515,000	\$	515,000
24	Electric Capital Investment:									
25	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment					\$12,325		\$23,522		\$21,753
26	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2021 Capital Investment					\$12,323		\$0		\$0
27	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2022 Capital Investment							50		\$0
	Estimated revenue recomment on risear real Estating states 51, 2022 cuptur investment									
28	Total Electric Capital Investment Component of Revenue Requirement	Sum of Lines 25 through 27				\$12,325		\$23,522		\$21,753
29	Gas Capital Investment:									
30	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2020 Capital Investment					\$0		\$0		\$0
31	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2021 Capital Investment							\$0		\$0
32	Estimated Revenue Requirement on Fiscal Year Ending March 31, 2022 Capital Investment									\$0
33	Total Gas Capital Investment Component of Revenue Requirement	Sum of Lines 30 through 32				\$0		\$0		\$0
34	Total Electric Revenue Requirement	Line 13 + Line 28		-		\$25,325		\$538,522		\$536,753
35	Total Gas Revenue Requirement	Line 22 + Line 33		-		\$0		\$0		\$0
	•							•		
36	Total Electric & Gas Revenue Requirement	Line 34 + Line 35			\$	25,325	\$	538,522	\$	536,753

THE NARRAGANSETT ELECTRIC COMPANY
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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2020 Synergy Grid Mod - PI Historian Electric

Feder Montine Sensors	Line No.			Fiscal Year Ending March 31, 2020 (a)	Fiscal Year Ending March 31, 2021 (b)	Fiscal Year Ending March 31, 2022 (c)
RTUSquartion Signature S		Estimated Capital Investment		(a)	(6)	(c)
Fillistorias Linci Linci	1	Feeder Monitor Sensors		\$0	\$0	\$0
Second A ADMS				\$0	\$0	\$0
Total Estimated Capital Incohesient Res	3	PI Historian		\$113,000	\$0	\$0
Depenciable Net Capital Included in Rate Base Line 5 Line 4 "0" Sub						
1 Total Allowed Capital Included in Rate Base (nurrent Year Line 5	5	Total Estimated Capital Investment	Line 1 + Line 2 + Line 4	\$113,000	\$0	\$0
Retirements						
Net Depreciable Capital Included in Rate Base						
Clampe in Net Capital Included in Rate Base Line 5 \$113,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0					***	
Capital Included in Rate Base Line 5 \$113,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0	8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b and c) = Prior Year Line 6	\$113,000	\$113,000	\$113,000
	9	Capital Included in Rate Base	Line 5	\$113,000	\$0	\$0
Tax Depreciation Tax Depreciation Page 3 of 10, Line 21 S94, 166 S12,557 S4, 184 Cumulative Tax Depreciation Prior Year Line 12 + Current Year Line 13 S94, 166 S106, 723 S110,907 Book Depreciation Prior Year Line 12 + Current Year Line 14 S94, 166 S106, 723 S110,907 Book Depreciation Prior Year Line 12 + Current Year Line 13 S94, 166 S106, 723 S110,907 Book Depreciation As filed per R.I.P.U.C. Docket No. 4770 14,29% 14	10	Cost of Removal		\$0	\$0	\$0
Vintage Vear Tax Depreciation: Sp4,166 S12,557 S4,184	11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10	\$113,000	\$113,000	\$113,000
F F F F F F F F F F		Tax Depreciation				
	12	Vintage Year Tax Depreciation:				
Book Depreciation	13	FY 2020 Spend	Page 3 of 10, Line 21	\$94,166	\$12,557	\$4,184
15 Composite Book Depreciation Rate As filed per RLP.U.C. Docket No. 4770 14.29% 14.29% 14.29% 14.29% 16. Book Depreciation Column (a) = Line 1 * Line 13 * 50%; Column (b and e) = Line 1 * Line 13 * 50%; Column (b and e) = Line 1 * Line 13 * 50%; Column (b and e) = Line 1 * Line 13 * 50%; Column (b and e) = Line 1 * Line 1 * S8,071 S16,143 S1	14	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11	\$94,166	\$106,723	\$110,907
Book Depreciation						
Total Cumulative Book Depreciation						
Deferred Tax Calculation:						
Deferred Tax Calculation: 19	17	Cumulative Book Depreciation	Prior Year Line 15 + Current Year Line 14	\$8,071	\$24,214	\$40,357
Cumulative Book / Tax Timer	18	Total Cumulative Book Depreciation	Line 20 + Line 17	\$8,071	\$24,214	\$40,357
Effective Tax Rate						
Line 19 * Line 20 \$18,080 \$17,327 \$14,815			Line 14 - Line 18			
Less: FY 2020 Federal NOL Col (a) = Page 8 of 10, Line 40; Col (b) = Page 9 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 10 of 10, Line 40; Col (c) = Page Section 113,000 S			I' 10 #I' 20			
Col (a) = Page 8 of 10, Line 40; Col (b) = Page 9 of 10, Line 40; Col (c) = Page 2 of 10, Line 40; Col (c) = Page 3 of 13, Line 40; Col (c) = Page 3 of 113,000; Solid 113,000; Solid 113,000; Solid 114,000; Solid 114,0			Line 19 * Line 20			
Less: Proration Adjustment 10 of 10, Line 40 S (9,816) S 409 S 1,363 Ret Base Calculation: S (113,000 S 113,000 S (113,000 S (2.2	Less. F1 2020 Federal NOL	$Col(a) = Page \ Sof \ 10$ Line 40: $Col(b) = Page \ 9$ of 10 Line 40: $Col(c) = Page$	3 -	-	
Rate Base Calculation: 25 Cumulative Incremental Capital Included in Rate Base Line 11 S 113,000 S S S S S S S S S	23	Less: Proration Adjustment		\$ (9.816)	\$ 409	\$ 1,363
Commutative Incremental Capital Included in Rate Base	24		Sum of Lines 21 through 23			\$16,179
Column (a) = Current Year Line 29 + 2; Column (b and c) = (Prior Year Line 29 + 2; Column (b and c) = (Prior Year Line 29 + 2; Column (a) = Current Year Line 29 + 2; Column (b and c) = (Prior Year						
27 Deferred Tax Reserve Line 24 (\$8,264) (\$17,736) (\$16,179) 28		•			,	,
Revenue Requirement Calculation: Column (a) = Current Year Line 29 ÷ 2; Column (b and c) = (Prior Year Line 29 + 2 + 2)						
Revenue Requirement Calculation: Column (a) = Current Year Line 29 ÷ 2; Column (b and c) = (Prior Year Line 29 * 2, Column (b and c) =						
Column (a) = Current Year Line 29 ÷ 2; Column (b and c) = (Prior Year Line 29 + 2; Column (b and c) = (Prior	28	Year End Rate Base	Sum of Lines 25 through 27	\$ 96,665	\$71,050	\$56,464
29 Average Rate Base 29 + Current Year Line 39) ÷ 2 \$48,332 \$83,857 \$63,757 30 Pre-Tax ROR 1/ 8.80% 8.80% 8.80% 31 Return and Taxes Line 29 * Line 30 \$4,253 \$7,379 \$5,611 32 Book Depreciation Line 16 - Line 19 \$8,071 \$16,143 \$16,143		Revenue Requirement Calculation:				
30 Pre-Tax ROR 1/ 8.80% 8.80% 8.80% 31 Return and Taxes Line 29 * Line 30 \$4,253 \$7,379 \$5,611 32 Book Depreciation Line 16 - Line 19 \$8,071 \$16,143 \$16,143	20	A B.4. B		640.222	602.057	862 777
31 Return and Taxes Line 29 * Line 30 \$4,253 \$7,379 \$5,611 32 Book Depreciation Line 16 - Line 19 \$8,071 \$16,143 \$16,143			· · · · · · · · · · · · · · · · · · ·			
32 Book Depreciation Line 16 - Line 19 \$8,071 \$16,143 \$16,143						
33 Annual Revenue Requirement Sum of Lines 31 through \$12,325 \$23,522 \$21,753						
Annual Revenue Requirement Sum of Lines 31 through \$12,325 \$23,522 \$21,753						
	33	Annual Revenue Requirement	Sum of Lines 31 through	\$12,325	\$23,522	\$21,753

1/ Weighted Average Cost of Capital as file in R.I.P.U.C. Docket No. 4770, Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST) Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2020 Electric Capital Investments Synergy Grid Mod - PI Historian Electric

Line <u>No.</u>			Fiscal Year Ending March 31, 2020 (a)	Fiscal Year Ending March 31, 2021 (b)	Fiscal Year Ending March 31, 2022 (c)
	Capital Repairs Deduction				
1	Plant Additions	Page 2 of 10, Line 5	\$113,000		
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%		
3	Capital Repairs Deduction	Line 1 * Line 2	\$0		
	Bonus Depreciation				
4	Plant Additions	Line 1	\$113,000		
5	Less Capital Repairs Deduction	Line 3	\$0		
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$113,000		
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%		
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$113,000		
9	Bonus Depreciation Rate (April 2019 - December 2019)	1 * 75% * 100%	75.00%		
10	Bonus Depreciation Rate (January 2020 - Mar 2020)	1 * 25% * 0%	0.00%		
11	Total Bonus Depreciation Rate	Line 9 + Line 10	75.00%		
12	Bonus Depreciation	Line 8 * Line 11	\$84,750		
	Remaining Tax Depreciation				
13	Plant Additions	Line 1	\$113,000		
14	Less Capital Repairs Deduction	Line 3	\$0		
15	Less Bonus Depreciation	Line 12	\$84,750		
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$28,250	\$28,250	\$28,250
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%	14.810%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$9,416	\$12,557	\$4,184
19	FY20 Loss incurred due to retirements	Per Tax Department	\$0	\$0	\$0
20	Cost of Removal	Page 2 of 10, Line 10	\$0		
21	Total Tay Department and Department Deduction	Sum of Lines 3, 12, 18, and 20	604166	£12.557	¢4 104
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, and 20	\$94,166	\$12,557	\$4,184

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID Power Sector Transformation (PST) Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2021 Synergy Grid Mod - PI Historian Electric

Line No.			Fiscal Year Ending March 31, 2021	Fiscal Year Ending March 31, 2022
INO.			(a)	(b)
	Estimated Capital Investment			
1	Feeder Monitor Sensors		\$0	
2	RTU Separation		\$0	
3	PI Historian		\$0	
4	DSCADA & ADMS	** *** ***	\$0	
5	Total Estimated Capital Investment	Line 1 + Line 2 + Line 4	\$0	\$0
	Depreciable Net Capital Included in Rate Base			
6	Total Allowed Capital Included in Rate Base in Current Year	Line 5	\$0	\$0
7	Retirements	Line 4 * 0%	\$0 \$0	\$0 \$0
8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5; Column (b) = Prior Year Line 6	20	\$0
	Change in Net Capital Included in Rate Base			
9	Capital Included in Rate Base	Line 5	\$0	\$0
10	Cost of Removal		\$0	\$0
11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10	\$0	\$0
	Tax Depreciation			
12	Vintage Year Tax Depreciation:			
13	FY 2021 Spend	Page 5 of 10, Line 21	\$0	\$0
14	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 11	\$0	\$0
	Book Depreciation			
15	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	14.29%	14.29%
16	Book Depreciation	Column (a) = Line 1 * Line 13 * 50%; Column (b) = Line 1 * Line 13	\$0	\$0
17	Cumulative Book Depreciation	Prior Year Line 15 + Current Year Line 14	\$0	\$0
18	Composite Book Depreciation Rate	As filed per R.I.P.U.C. Docket No. 4770	2.09%	2.09%
19	Book Depreciation	Column (a) = Line 2 * Line 16 * 50%; Column (b) = Line 2 * Line 16	\$0	\$0
20	Cumulative Book Depreciation	Prior Year Line 18 + Current Year Line 17	\$0	\$0
21	Total Cumulative Book Depreciation	Line 20 + Line 17	\$0	\$0
	Deferred Tax Calculation:			
22	Cumulative Book / Tax Timer	Line 14 - Line 21	\$0	\$0
23	Effective Tax Rate		21.00%	21.00%
24	Deferred Tax Reserve	Line 22 * Line 23	\$0	\$0
25	Less: FY 2021 Federal NOL	G1() B 0 010 I' 40 G1() B 10 010 I' 40	\$0	\$0
26 27	Less: Proration Adjustment Net Deferred Tax Reserve	Col (a) = Page 9 of 10, Line 40; Col (b) = Page 10 of 10, Line 40 Sum of Lines 24 through 26	\$0 \$0	\$0 \$0
	P. P. G. Id		•	
28	Rate Base Calculation: Cumulative Incremental Capital Included in Rate Base	Line 11	s -	\$0
29	Accumulated Depreciation	- Line 21	\$0	\$0 \$0
30	Deferred Tax Reserve	- Line 27	\$0	\$0
31	Year End Rate Base	Sum of Lines 28 through 30	\$ -	\$0
	Revenue Requirement Calculation:			
		Column (a) = Current Year Line 29 ÷ 2; Column (b) = (Prior Year Line 29		
32	Average Rate Base	+ Current Year Line 29) ÷ 2	\$0.00	\$0
33	Pre-Tax ROR		1/ 8.80%	8.80%
34	Return and Taxes	Line 32 * Line 33	\$0	\$0
35	Book Depreciation	Line 16 + Line 19	\$0	\$0
36	Property Taxes	Tax Rate 3.176% MAL-7 - Columns (b) Line 9 * 3.176%	\$0	\$0
37	Annual Revenue Requirement	Sum of Lines 34 through 36	\$0	\$0

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

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Power Sector Transformation (PST)

Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2021 Electric Capital Investments Synergy Grid Mod - PI Historian Electric

			Fiscal Year Ending	Fiscal Year Ending
Line			March 31, 2021	March 31, 2022
No.			(a)	(b)
	Capital Repairs Deduction			
1	Plant Additions	Page 4 of 10, Line 5	\$0	
2	Capital Repairs Deduction Rate	Per Tax Department	0.00%	
3	Capital Repairs Deduction	Line 1 * Line 2	\$0	
	Bonus Depreciation			
4	Plant Additions	Line 1	\$0	
5	Less Capital Repairs Deduction	Line 3	\$0	
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0	
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%	
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0	
9	Bonus Depreciation Rate (April 2020 - December 2020)	0%	0.00%	
10	Bonus Depreciation Rate (January 2021 - Mar 2021)	0%	0.00%	
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%	
12	Bonus Depreciation	Line 8 * Line 11	\$0	
	Remaining Tax Depreciation			
13	Plant Additions	Line 1	\$0	
14	Less Capital Repairs Deduction	Line 3	\$0	
15	Less Bonus Depreciation	Line 12	\$0	
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%	44.450%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0	\$0
19	FY21 Loss incurred due to retirements	Per Tax Department	\$0	\$0
20	Cost of Removal	Page 4 of 10, Line 10	\$0	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0	\$0

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Revenue Requirement on Estimated Electric Capital Investment 12 months ending March 31, 2022 Synergy Grid Mod - PI Historian Electric

Line			Fiscal Year Ending
No.			March 31, 2022
	Estimated Capital Investment		(a)
1	Feeder Monitor Sensors		\$0
2	RTU Separation		\$0
3	PI Historian		\$0
4	DSCADA & ADMS		\$0
5	Total Estimated Capital Investment	Line 1 + Line 2 + Line 4	\$0
	Depreciable Net Capital Included in Rate Base		
6	Total Allowed Capital Included in Rate Base in Current Year	Line 5	\$0
7	Retirements	Line 4 * 0%	\$0
8	Net Depreciable Capital Included in Rate Base	Column (a) = Line 4 - Line 5	\$0
	Change in Net Capital Included in Rate Base		
9	Capital Included in Rate Base	Line 5	\$0
10	Cost of Removal		\$0
11	Total Net Plant in Service Including Cost of Removal	Line 8 + Line 10	\$0
	Tax Depreciation		
12	Vintage Year Tax Depreciation:		
13	FY 2022 Spend	Page 7 of 10, Line 21	\$0
14	Cumulative Tax Depreciation	Prior Year Line 12 + Current Year Line 13	\$0
	Book Depreciation		
15	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	14.29%
16	Book Depreciation	Column (a) = Line 1* Line 13 * 50%	\$0
17	Cumulative Book Depreciation	Current Year Line 14	\$0
18	Composite Book Depreciation Rate	As approved per R.I.P.U.C. Docket No. 4770	2.09%
19	Book Depreciation	Column (a) = Line $2*$ Line $16*50%$	\$0
20	Cumulative Book Depreciation	Current Year Line 16	\$0
21	Total Cumulative Book Depreciation	Line 17 + Line 20	\$0
	Deferred Tax Calculation:		
22	Cumulative Book / Tax Timer	Line 14 - Line 21	\$0
23	Effective Tax Rate		21.00%
24	Deferred Tax Reserve	Line 22 * Line 23	\$0
25	Less: FY 2022 Federal NOL		\$0
26	Less: Proration Adjustment	Col (a) = Page 10 of 10, Line 40	\$0
27	Net Deferred Tax Reserve	Sum of Lines 24 through 26	\$0
	Rate Base Calculation:		
28	Cumulative Incremental Capital Included in Rate Base	Line 11	\$ -
29	Accumulated Depreciation	- Line 21	\$0
30	Deferred Tax Reserve	- Line 27	\$0
31	Year End Rate Base	Sum of Lines 28 through 30	\$ -
	Revenue Requirement Calculation:		
32	Average Rate Base	Column (a) = Current Year Line $29 \div 2$	\$0
33	Pre-Tax ROR		1/ 8.80%
34	Return and Taxes	Line 32 * Line 33	\$0
35	Book Depreciation	Line 16 + Line 19	\$0
36	Property Taxes	Tax Rate 3.176% MAL-7	\$0
37	Annual Revenue Requirement	Sum of Lines 34 through 36	\$0

1/ Weighted Average	Cost of Capital a	s file in RIPII	C. Docket No. 4770	Schedule MAL-1-ELEC

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	48.47%	4.69%	2.27%		2.27%
Short Term Debt	0.45%	1.76%	0.01%		0.01%
Preferred Stock	0.11%	4.50%	0.00%		0.00%
Common Equity	50.97%	10.10%	5.15%	1.37%	6.52%
	100.00%		7.43%	1.37%	8.80%

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Power Sector Transformation (PST)

Calculation of Tax Depreciation and Repairs Deduction on Fiscal Year 2022 Electric Capital Investments Synergy Grid Mod - PI Historian Electric

Line			Fiscal Year Ending March 31, 2022
No.	Capital Repairs Deduction		(a)
1	Plant Additions	Page 6 of 10, Line 5	\$0
2		Per Tax Department	0.00%
3	Capital Repairs Deduction Rate Capital Repairs Deduction	Line 1 * Line 2	\$0
3	Capital Repairs Deduction	Line 1 * Line 2	\$0
	Bonus Depreciation		
4	Plant Additions	Line 1	\$0
5	Less Capital Repairs Deduction	Line 3	\$0
6	Plant Additions Net of Capital Repairs Deduction	Line 4 - Line 5	\$0
7	Percent of Plant Eligible for Bonus Depreciation	Per Tax Department	100.00%
8	Plant Eligible for Bonus Depreciation	Line 6 * Line 7	\$0
9	Bonus Depreciation Rate (April 2021 - December 2021)	0%	0.00%
10	Bonus Depreciation Rate (January 2022 - Mar 2022)	0%	0.00%
11	Total Bonus Depreciation Rate	Line 9 + Line 10	0.00%
12	Bonus Depreciation	Line 8 * Line 11	\$0
	Remaining Tax Depreciation		
13	Plant Additions	Line 1	\$0
14	Less Capital Repairs Deduction	Line 3	\$0
15	Less Bonus Depreciation	Line 12	\$0
16	Remaining Plant Additions Subject to 20 YR MACRS Tax Depreciation	Line 13 - Line 14 - Line 15	\$0
17	20 YR MACRS Tax Depreciation Rates	Per IRS Publication 946	33.330%
18	Remaining Tax Depreciation	Line 16 * Line 17	\$0
19	FY22 Loss incurred due to retirements	Per Tax Department	\$0
20	Cost of Removal	Page 6 of 10, Line 10	\$0
21	Total Tax Depreciation and Repairs Deduction	Sum of Lines 3, 12, 18, 19, and 20	\$0

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Calculation of Fiscal Year 2020 Net Deferred Tax Reserve Electric Proration Synergy Grid Mod - PI Historian Electric

					(a)= Column (b)	(b)	
Book Depreciation	Line						
Roman Depreciation	No.	Deferred Tax Subject to Proration			<u>Total</u>	March 31, 2020	
Remaining MACRS Tax Depreciation Page 3 of 10, Line 18 (39,416) (39,416) (39,416)	1	Book Depreciation	Page 2 of 10, Line	e 16 + Line 19	\$8,071	\$8,071	
FV20 tax (gain/bloss on retirements Page 3 of 10, Line 19 S0 S0		Bonus Depreciation	Page 3 of 10), Line 12	(\$84,750)	(\$84,750)	
Cumulative Book / Tax Timer		Remaining MACRS Tax Depreciation	Page 3 of 10), Line 18	(\$9,416)	(\$9,416)	
Effective Tax Rale	4	FY20 tax (gain)/loss on retirements	Page 3 of 10), Line 19	\$0	\$0	
Deferred Tax Reserve			Sum of Lines	1 through 4			
Deferred Tax Not Subject to Proration Section Page 3 of 10, Line 3 So So So So So So So		Effective Tax Rate			21.00%	21.00%	
8 Capital Repairs Deduction Page 3 of 10, Line 3 \$0 \$0 9 Cest of Removal Page 3 of 10, Line 20 \$0 \$0 10 Book/Tax Depreciation Timing Difference at 3/31/2020 Inc. 10 inc. 20 \$0 \$0 11 Cumulative Book / Tax Timer Line 8 + Line 9 + Line 10 \$0 \$0 12 Effective Tax Rate Line 11 + Line 12 \$0 \$0 13 Deferred Tax Reserve Line 11 + Line 13 \$(\$18,080) \$(\$18,080) 14 Total Deferred Tax Reserve Line 14 + Line 15 \$0 \$0 15 Net Operating Loss Page 2 of 10, Line 22 \$0 \$0 16 Net Deferred Tax Reserve Line 14 + Line 15 \$(\$18,080) \$(\$18,080) 17 Cumulative Book/Tax Timer Subject to Proration Line 17 + Line 18 \$(\$86,095) \$(\$86,095) 18 Cumulative Book/Tax Timer Not Subject to Proration Line 17 + Line 18 \$(\$86,095) \$(\$86,095) 20 Total FY 2020 Federal NOL Page 2 of 10, Line 22 / 21% \$0 \$0 21 Allocated FY 2020 Federal NOL Subject to Proration Line 17 + Line 18 \$(\$86,095) \$0 22 Allocated FY 2020 Federal NOL Su	7	Deferred Tax Reserve	Line 5 *	Line 6	(\$18,080)	(\$18,080)	
Page 3 of 10, Line 20		· ·					
Book/Tax Depreciation Timing Difference at 3/31/2020 Line 8 + Line 9 + Line 10 S0 S0							
Cumulative Book / Tax Timer Line 8 + Line 9 + Line 10 2.00% 21.00%	9	Cost of Removal	Page 3 of 10), Line 20	\$0		
Effective Tax Rate					* -	* *	
13 Deferred Tax Reserve			Line 8 + Line	9 + Line 10	* -	* *	
Total Deferred Tax Reserve					21.00%		
Net Operating Loss	13	Deferred Tax Reserve	Line 11 *	Line 12	\$0	\$0	
Net Deferred Tax Reserve		Total Deferred Tax Reserve	Line 7 + I	Line 13	(\$18,080)	(\$18,080)	
Allocation of FY 2020 Estimated Federal NOL Cumulative Book/Tax Timer Subject to Proration Col (b) = Line 5 (\$86,095)	15	Net Operating Loss	Page 2 of 10), Line 22	\$0	\$0	
Cumulative Book/Tax Timer Subject to Proration Col (b) = Line 5 (\$86,095) (\$86,095)	16	Net Deferred Tax Reserve	Line 14 +	Line 15	(\$18,080)	(\$18,080)	
Cumulative Book/Tax Timer Not Subject to Proration Line 11 S0 \$0 S0 Total Cumulative Book/Tax Timer Line 17 + Line 18 (\$86,095) (\$86,095) Total FY 2020 Federal NOL Page 2 of 10, Line 22 / 21% \$0 \$0 \$0 Allocated FY 2020 Federal NOL Subject to Proration (Line 18 / Line 19) * Line 20 \$0 \$0 \$0 21 Allocated FY 2020 Federal NOL Subject to Proration (Line 18 / Line 19) * Line 20 \$0 \$0 \$0 22 Allocated FY 2020 Federal NOL Subject to Proration (Line 18 / Line 19) * Line 20 \$0 \$0 \$0 23 Effective Tax Rate Per Tax Department 21.00% 21.00% 24 Deferred Tax Benefit subject to proration Line 7 + Line 24 (\$18,080) (\$18,080) 25 Net Deferred Tax Reserve subject to proration Line 7 + Line 24 (\$18,080) (\$18,080) 26 April 2019 30 91.78% (\$1,383) (\$1,383) 27 May 2019 31 83.29% (\$1,255) (\$1,255) 28 June 2019 30 91.78% (\$1,131) (\$1,131) 29 July 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 41.37% (\$623) (\$623) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 31 24.66% (\$372) (\$372) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 28 8.49% (\$128) (\$128) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 28 8.49% (\$128) (\$128) 38 Potent Total Tax Without Proration Line 25 (\$18,080) (\$18,080)		Allocation of FY 2020 Estimated Federal NOL					
Total Cumulative Book/Tax Timer	17	Cumulative Book/Tax Timer Subject to Proration	Col (b) =	Line 5	(\$86,095)	(\$86,095)	
Total FY 2020 Federal NOL	18	Cumulative Book/Tax Timer Not Subject to Proration	Line	11	\$0	\$0	
Allocated FY 2020 Federal NOL Not Subject to Proration CLine 18 / Line 19) * Line 20	19	Total Cumulative Book/Tax Timer	Line 17 + Line 18		(\$86,095)	(\$86,095)	
Allocated FY 2020 Federal NOL Subject to Proration Cline 17 / Line 19 * Line 20 \$0 \$0	20	Total FY 2020 Federal NOL	Page 2 of 10, Line 22 / 21%		\$0	\$0	
Effective Tax Rate	21	Allocated FY 2020 Federal NOL Not Subject to Proration	(Line 18 / Line 1	19) * Line 20	\$0	\$0	
Deferred Tax Benefit subject to proration Line 22 * Line 23	22	Allocated FY 2020 Federal NOL Subject to Proration	(Line 17 / Line 1	19) * Line 20	\$0	\$0	
Color	23	Effective Tax Rate	Per Tax Depa	artment	21.00%	21.00%	
(i) (j) Number of Days in Proration Calculation Month Proration Percentage (k)= Sum of (l) (24	Deferred Tax Benefit subject to proration	Line 22 *	Line 23	\$0	\$0	
Proration Calculation Number of Days in Month Proration Percentage (k)= Sum of (l) (l) 26 April 2019 30 91.78% (\$1,383) (\$1,383) 27 May 2019 31 83.29% (\$1,255) (\$1,255) 28 June 2019 30 75.07% (\$1,131) (\$1,131) 29 July 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 58.08% (\$875) (\$875) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 38 Total 365	25	Net Deferred Tax Reserve subject to proration	Line 7 + I	Line 24	(\$18,080)	(\$18,080)	
Proration Calculation Number of Days in Month Proration Percentage (k)= Sum of (l) (l) 26 April 2019 30 91.78% (\$1,383) (\$1,383) 27 May 2019 31 83.29% (\$1,255) (\$1,255) 28 June 2019 30 75.07% (\$1,131) (\$1,131) 29 July 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 58.08% (\$875) (\$875) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 38 Total 365			(i)	(i)			
Proration Calculation Month Proration Percentage (k)= Sum of (l) (l) 26 April 2019 30 91.78% (\$1,383) (\$1,383) 27 May 2019 31 83.29% (\$1,255) (\$1,255) 28 June 2019 30 75.07% (\$1,131) (\$1,131) 29 July 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 58.08% (\$875) (\$875) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264)				37			
26 April 2019 30 91.78% (\$1,383) (\$1,383) 27 May 2019 31 83.29% (\$1,255) (\$1,255) 28 June 2019 30 75.07% (\$1,131) (\$1,131) 29 July 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 58.08% (\$875) (\$875) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264)		Proration Calculation		Proration Percentage	(k)= Sum of (l)	(1)	
27 May 2019 31 83.29% (\$1,255) (\$1,255) 28 June 2019 30 75.07% (\$1,131) (\$1,131) 29 July 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 58.08% (\$875) (\$875) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264)	26	April 2019		_	* /		
28 June 2019 30 75.07% (\$1,131) (\$1,03) 29 July 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 58.08% (\$875) (\$875) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264)	27	•	31	83.29%			
29 July 2019 31 66.58% (\$1,003) (\$1,003) 30 August 2019 31 58.08% (\$875) (\$875) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264)	28	•	30	75.07%			
30 August 2019 31 58.08% (\$875) (\$875) 31 September 2019 30 49.86% (\$751) (\$751) 32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264)	29		31				
32 October 2019 31 41.37% (\$623) (\$623) 33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264) 39 Deferred Tax Without Proration Line 25 (\$18,080) (\$18,080)	30	· ·	31				
33 November 2019 30 33.15% (\$499) (\$499) 34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264) 39 Deferred Tax Without Proration Line 25 (\$18,080) (\$18,080)	31	September 2019	30	49.86%	(\$751)	(\$751)	
34 December 2019 31 24.66% (\$372) (\$372) 35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264) 39 Deferred Tax Without Proration Line 25 (\$18,080) (\$18,080)	32	October 2019	31	41.37%	(\$623)	(\$623)	
35 January 2020 31 16.16% (\$244) (\$244) 36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264) 39 Deferred Tax Without Proration Line 25 (\$18,080) (\$18,080)	33	November 2019	30	33.15%	(\$499)	(\$499)	
36 February 2020 28 8.49% (\$128) (\$128) 37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264) 39 Deferred Tax Without Proration Line 25 (\$18,080) (\$18,080)	34	December 2019	31	24.66%	(\$372)	(\$372)	
37 March 2020 31 0.00% \$0 \$0 38 Total 365 (\$8,264) (\$8,264) 39 Deferred Tax Without Proration Line 25 (\$18,080) (\$18,080)	35	January 2020	31	16.16%	(\$244)	(\$244)	
38 Total 365 (\$8,264) (\$8,264) 39 Deferred Tax Without Proration Line 25 (\$18,080) (\$18,080)		February 2020	28	8.49%	(\$128)	(\$128)	
39 Deferred Tax Without Proration Line 25 (\$18,080) (\$18,080)		March 2020	31	0.00%	\$0	\$0	
	38	Total	365		(\$8,264)	(\$8,264)	_
40 Proration Adjustment Line 38 - Line 39 \$9,816 \$9,816		Deferred Tax Without Proration	Line	25	(\$18,080)	(\$18,080)	
	40	Proration Adjustment	Line 38 - 1	Line 39	\$9,816	\$9,816	

- (j) Sum of remaining days in the year (Col (i)) \div 365
- (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST)

Calculation of Fiscal Year 2021 Net Deferred Tax Reserve Electric Proration Synergy Grid Mod - PI Historian Electric

(a)=Sum of (b)

				through (c)	(b)	(c)	
					Vintage Year	Vintage Year	
Line				Total	March 31, 2021	March 31, 2020	
No.	Deferred Tax Subject to Proration						
	B. 1.B 1.2	Col (b) - Page 4 of 10	Line 16 + Line 19 ;Col				
1	Book Depreciation		Line 16 + Line 19	\$16,143	\$0	\$16,143	
2	Bonus Depreciation		10, Line 12	\$0	\$0	4-0,	
				•	**		
3	Remaining MACRS Tax Depreciation		Line 18 ;Col (c) = Page	(\$12,557)	\$0	(\$12,557)	
		3 of 10, Line 18 Col (b) = Page 5 of 10, Line 19; Col (c) = Page		(\$12,337)	30	(\$12,337)	
4	FY21 tax (gain)/loss on retirements		Line 19 ;Col (c) = Page Line 19	\$0	\$0	\$0	
5	Cumulative Book / Tax Timer		s 1 through 4	\$3,586	\$0 \$0	\$3,586	
6	Effective Tax Rate	Per Tax De		21.00%	21.00%	21.00%	
7	Deferred Tax Reserve		* Line 6	\$753	\$0	\$753	
,	Deletion I all reserve	Zine 5	Zine 0	4,55		4733	
	Deferred Tax Not Subject to Proration						
8	Capital Repairs Deduction	Page 7 of	10, Line 3	\$0	\$0		
9	Cost of Removal	Page 7 of	10, Line 20	\$0	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2021			\$0	\$0		
11	Cumulative Book / Tax Timer	Line 8 + Lin	e 9 + Line 10	\$0	\$0		
12	Effective Tax Rate			21.00%	21.00%		
13	Deferred Tax Reserve	Line 11	* Line 12	\$0	\$0		
14	Total Deferred Tax Reserve		Line 13	\$753	\$0	\$753	
15	Net Operating Loss		10, Line 25	\$0	\$0	\$0	
16	Net Deferred Tax Reserve	Line 14 + Line 15		\$753	\$0	\$753	
	Allocation of FY 2021 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	Col(b)	= Line 5	\$0	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration		e 11	\$0	\$0		
19	Total Cumulative Book/Tax Timer		+ Line 18	\$0	\$0		
20	Total FY 2021 Federal NOL	Col (b) = Page 4 o	f 10, Line 25 / 21%	\$0	\$0		
21	Allocated FY 2021 Federal NOL Not Subject to Proration	(Line 18 / Line	e 19) * Line 20	\$0	\$0		
22	Allocated FY 2021 Federal NOL Subject to Proration	(Line 17 / Line	e 19) * Line 20	\$0	\$0		
23	Effective Tax Rate	Per Tax De	partment	21.00%	21.00%		
24	Deferred Tax Benefit subject to proration	Line 22	* Line 23	\$0	\$0		
	William Brown and Control			47.52		0.7.52	
25	Net Deferred Tax Reserve subject to proration	Line 7	- Line 24	\$753	\$0	\$753	
		(i)	(j)				
			0)				
		Number of Days in		(k)= Sum of (l)			
	Proration Calculation	<u>Month</u>	Proration Percentage	through (m)	(1)	(m)	
26	April 2020	30	91.78%	\$58	\$0	\$58	
27	May 2020	31	83.29%	\$52	\$0	\$52	
28	June 2020	30 31	75.07%	\$47 \$42	\$0 \$0	\$47	
29 30	July 2020 August 2020	31	66.58%	\$42 \$36	\$0 \$0	\$42 \$36	
31	September 2020	30	58.08% 49.86%	\$31	\$0 \$0	\$31	
32	October 2020	31	41.37%	\$26	\$0 \$0	\$26	
33	November 2020	30	33.15%	\$21	\$0	\$21	
34	December 2020	31	24.66%	\$15	\$0 \$0	\$15	
35	January 2021	31	16.16%	\$10	\$0	\$10	
36	February 2021	28	8.49%	\$5	\$0	\$5	
37	March 2021	31	0.00%	\$0	\$0	\$0	
38	Total	365		\$344	\$0	\$344	_
39	Deferred Tax Without Proration		e 25	\$753	\$0	\$753	
40	Proration Adjustment	Line 38	- Line 39	(\$409)	\$0	(\$409)	

 ⁽j) Sum of remaining days in the year (Col (i)) ÷ 365
 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

THE NARRAGANSETT ELECTRIC COMPANY
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THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

Power Sector Transformation (PST)

Calculation of Fiscal Year 2022 Net Deferred Tax Reserve Electric Proration Synergy Grid Mod - PI Historian Electric

		Synergy Grid Mod - PI Hist	orian Electi	ric			
				(a)=Sum of (b) through (d)	(b) Vintage Year	(c) Vintage Year	(d) Vintage Year
Line No.	Deferred Tax Subject to Proration			Total	March 31, 2022	March 31, 2021	March 31, 2020
1	Book Depreciation	Col (b) = Page 6 of 10, Line 16 + 1 Col (c) = Page 4 of 10, Line 16 + 1 Col (d) = Page 2 of 10, Line 16 +	Line 19;	\$16.143	\$0	\$0	\$16,143
2	Bonus Depreciation	Page 5 of 10, Line 12		\$0	\$0	4 0	\$10,115
3	Remaining MACRS Tax Depreciation	Col (b) = Page 7 of 10, Line 18; C Page 5 of 10, Line 18; Col (d) = Pag Line 18		(\$4,184)	\$0	\$0	(\$4,184)
		Col (b) = Page 7 of 10, Line 19; C Page 5 of 10, Line 19; Col (d) = Pag					
4	FY22 tax (gain)/loss on retirements	Line 19		\$0	\$0	\$0	\$0
5	Cumulative Book / Tax Timer	Sum of Lines 1 through 4		\$11,959	\$0	\$0	\$11,959
6	Effective Tax Rate	Per Tax Department		21.00%	21.00%	21.00%	21.00%
7	Deferred Tax Reserve	Line 5 * Line 6		\$2,511	\$0	\$0	\$2,511
8	Deferred Tax Not Subject to Proration	P 7 . £10 . Lin. 2		\$0	\$0		
	Capital Repairs Deduction	Page 7 of 10, Line 3					
9	Cost of Removal	Page 7 of 10, Line 20		\$0	\$0		
10	Book/Tax Depreciation Timing Difference at 3/31/2022			\$0	\$0		
11	Cumulative Book / Tax Timer	Line 8 + Line 9 + Line 10		\$0	\$0		
12	Effective Tax Rate			21.00%	21.00%		
13	Deferred Tax Reserve	Line 11 * Line 12		\$0	\$0		
14	Total Deferred Tax Reserve	Line 7 + Line 13		\$2,511	\$0	\$0	\$2,511
15	Net Operating Loss	Page 6 of 10, Line 25		\$0	\$0	\$0	\$0
16	Net Deferred Tax Reserve	Line 14 + Line 15		\$2,511	\$0	\$0	\$2,511
	Allocation of FY 2022 Estimated Federal NOL						
17	Cumulative Book/Tax Timer Subject to Proration	Col(b) = Line 5		\$0	\$0		
18	Cumulative Book/Tax Timer Not Subject to Proration	Line 11		\$0	\$0		
19	Total Cumulative Book/Tax Timer	Line 17 + Line 18		\$0	\$0		
20	Total FY 2022 Federal NOL	Col(b) = Page 6 of 10, Line 25	/ 21%	\$0	\$0		
21	Allocated FY 2022 Federal NOL Not Subject to Proration	(Line 18 / Line 19) * Line 2		\$0	\$0		
22	Allocated FY 2022 Federal NOL Subject to Proration	(Line 17 / Line 19) * Line 2		\$0	\$0		
23	Effective Tax Rate	Per Tax Department	-	21.00%	21.00%		
24	Deferred Tax Benefit subject to proration	Line 22 * Line 23		\$0	\$0		
25	Net Deferred Tax Reserve subject to proration	Line 7 + Line 24		\$2,511	\$0	\$0	\$2,511
		(i) (j)					
		Number of Days in		(k)= Sum of (l)			
	Proration Calculation	Month Proration Pe	ercentage	through (n)	(1)	(m)	(n)
26	April 2021	30	91.78%	\$192	\$0	\$0	(II) \$192
27	May 2021	31	83.29%	\$174	\$0 \$0	\$0 \$0	\$174
					• •		
28	June 2021	30 31	75.07%	\$157	\$0	\$0 \$0	\$157
29	July 2021		66.58%	\$139	\$0		\$139
30	August 2021	31	58.08%	\$122	\$0	\$0	\$122
31	September 2021	30	49.86%	\$104	\$0	\$0	\$104
32	October 2021	31	41.37%	\$87	\$0	\$0	\$87
33	November 2021	30	33.15%	\$69	\$0	\$0	\$69
34	December 2021	31	24.66%	\$52	\$0	\$0	\$52
35	January 2022	31	16.16%	\$34	\$0	\$0	\$34
36	February 2022	28	8.49%	\$18	\$0	\$0	\$18
37	March 2022	31	0.00%	\$0	\$0	\$0	\$0
38	Total	365		\$1,148	\$0	\$0	\$1,148
39	Deferred Tax Without Proration	Line 25		\$2,511	\$0	\$0	\$2,511
40	Proration Adjustment	Line 38 - Line 39		(\$1,363)	\$0	\$0	(\$1,363)
-10	1 totalion / rajustinent	Line 30 - Line 39		(01,503)	90	φU	(91,505)

⁽j) Sum of remaining days in the year (Col (i)) ÷ 365 (l) through (r) = Current Year Line 25 ÷ 12 * Current Month Col (j)

Division 9-14

Request:

Are the PST costs that would be incurred by the gas distribution business for gas grid mod, as shown in Appendix 10.2 and 10.3 of PST-2 and on page 3 of 3 of Attachment DIV 19-18-1, being proposed for recovery (i) through the electric PST tracker proposed in docket 4780, (ii) through a different PST tracker applicable to the gas business, (iii) within the Gas Business Enablement cost recovery, or (iv) through another means? Please explain.

Response:

The Company included in Appendix 10.11 a proposed new section to Narragansett Gas' Distribution Adjustment Clause, which is a component of its gas tariff. Please see Bates Pages 295-300 of PST Book 2 of the November 27, 2017 initial filing in this proceeding. The Company is proposing to recover costs applicable to the gas component of its PST Plan from gas customers, not from electric customers.

(This response is identical to the Company's response to Division 27-14 in Docket No. 4770.)

Division 9-15

Request:

Referring to Attachment DIV 19-8-1 (Docket 4770), pages 1 through 3, which shows cost incurrence by Fiscal Year for Rhode Island only, please provide a similar estimate showing cost incurrence for all the grid modernization initiatives shown therein as such costs would be incurred in Rate Year 1, assuming each initiative commences on the schedule assumed in DIV 19-8-1.

Response:

The Fiscal Year 2020 revenue requirements shown in Attachment DIV 19-8-1 (Docket No. 4770), Pages 1 through 3, would include the same costs depicted for Rate Year 1 (i.e., September 1, 2018 – August 31, 2019) because the Company would shift the operating and maintenance costs by six months, in accordance with the schedule assumed in Attachment DIV 19-8-1. The capital investment revenue requirements shown in Attachment DIV 19-8-1 (Docket No. 4770), Pages 1 through 3, assumes a half-year convention; therefore, the revenue requirements associated with the capital spend would not change the schedule assumed in Attachment DIV 19-8-1.

(This response is identical to the Company's response to Division 27-15 in Docket No. 4770.)

Division 9-16

Request:

Referring to Attachment DIV 19-8-2 (Docket 4770), pages 1 through 3, which shows cost incurrence by Fiscal Year for the multi-jurisdictional implementation, please provide an estimate showing cost incurrence for all the grid modernization initiatives shown therein as such costs would be incurred in Rate Year 1, assuming each initiative commences on the schedule assumed in DIV 19-8-2.

Response:

The Fiscal Year 2020 revenue requirements shown in Attachment DIV 19-8-2 (Docket No. 4770), Pages 1 through 3, would include the same costs depicted for Rate Year 1 (i.e., September 1, 2018 – August 31, 2019) because the Company would shift the operating and maintenance costs by six months, in accordance with the schedule assumed in Attachment DIV 19-8-2. The capital investment revenue requirements shown in Attachment DIV 19-8-2 (Docket No. 4770), Pages 1 through 3, assumes a half-year convention; therefore, the revenue requirements associated with the capital spend would not change the schedule assumed in Attachment DIV 19-8-2.

(This response is identical to the Company's response to Division 27-16 in Docket No. 4770.)

Division 9-17

Request:

Referring to Attachment DIV 19-8-1 (Docket 4770), pages 1 through 3, which shows cost incurrence by Fiscal Year for Rhode Island only, please provide a similar estimate showing cost incurrence for all the grid modernization initiatives shown therein as such costs would be incurred in Rate Years 2 and 3, assuming each initiative commences on the schedule assumed in DIV 19-8-1.

Response:

The Fiscal Year (FY) 2021 and FY 2022 revenue requirements shown in Attachment DIV 19-8-1 (Docket No. 4770), Pages 1 through 3, would include the same costs depicted for Rate Year 2 (i.e., September 1, 2019 – August 31, 2020) and Rate Year 3 (i.e., September 1, 2020 – August 31, 2021) because the Company would shift the operating and maintenance costs by six months, in accordance with the schedule assumed in Attachment DIV 19-8-1. The capital investment revenue requirements shown in Attachment DIV 19-8-1 (Docket No. 4770), Pages 1 through 3, assumes a half-year convention; therefore, the revenue requirements associated with the capital spend would not change the schedule assumed in Attachment DIV 19-8-1.

(This response is identical to the Company's response to Division 27-17 in Docket No. 4770.)

Division 9-18

Request:

Referring to Attachment DIV 19-8-2 (Docket 4770), pages 1 through 3, which shows cost incurrence by Fiscal Year for the multi-jurisdictional implementation, please provide a similar estimate showing cost incurrence for all the grid modernization initiatives shown therein as such costs would be incurred in Rate Years 2 and 3, assuming each initiative commences on the schedule assumed in DIV 19-8-2.

Response:

The Fiscal Year (FY) 2021 and FY 2022 revenue requirements shown in Attachment DIV 19-8-2 (Docket No. 4770), Pages 1 through 3, would include the same costs depicted for Rate Year 2 (i.e., September 1, 2019 – August 31, 2020) and Rate Year 3 (i.e., September 1, 2020 – August 31, 2021) because the Company would shift the operating and maintenance costs by six months, in accordance with the schedule assumed in Attachment DIV 19-8-2. The capital investment revenue requirements shown in Attachment DIV 19-8-2 (Docket No. 4770), Pages 1 through 3, assumes a half-year convention; therefore, the revenue requirements associated with the capital spend would not change the schedule assumed in Attachment DIV 19-8-2.

(This response is identical to the Company's response to Division 27-18 in Docket No. 4770.)