

February 11, 2019

Ms. Mariah Winkler
Chair, NEPOOL Reliability Committee
ISO New England, Inc.
One Sullivan Road
Holyoke, MA 01040-2841

Dear Ms. Winkler,

In accordance with Schedule 12C of the ISO New England ("ISO-NE") Transmission, Markets & Services Tariff ("ISO-NE Tariff"), Eversource Energy Service Company ("Eversource") hereby submits the attached Transmission Cost Allocation ("TCA") application(s) reporting cost support information associated with the construction, retirement, or modification to facilities rated 69 kV and above that qualify as regional Pool Transmission Facilities ("PTF") for the following project:

ES-19-TCA-11 Line 391 345 kV Structure Replacement Project

Eversource is requesting that ISO-NE submit this TCA to the NEPOOL Reliability Committee for review, in accordance with ISO-NE Planning Procedure No. 4 ("PP-4").

If you have any questions, I can be reached via the information listed above.

Sincerely,

Allen Scarfone

Allen W. Scarfone

cc: M. Drzewianowski

- e. Public Policy Transmission Upgrade (PPTU)
- f. Market Efficiency Transmission Upgrade (METU)
- g. Asset Condition
- h. Other (specify in line 6)

6. Provide a narrative description of the need for this Project.
(Include available documentation relative to the need for this Project.)

Replacing these structures remedies the potential for structure failures due to asset condition vulnerabilities. To ensure the continued operability of this line segment, the identified structures in this line section need to be replaced.

Cost of Project:

- 7. Total Project Cost (\$M) equals PTF + Non-PTF + all other Project Costs: \$17,858
- 8. Total Proposed PTF Costs
 - a. Total Proposed PTF Cost of this Project (\$M): \$17,858
 - b. Requested Pool-Supported PTF Costs associated with this Project (\$M): \$17,858
 - c. Breakdown of Requested Pool-Supported PTF Cost associated with this Project (\$M):
(Consistent with Table 1 and Appendix D of this Procedure)

Material	\$1,507
Labor	\$13,438
ROW	\$0
Engineering/Permitting/Indirects	\$2,676
Escalation	\$0
AFUDC (or equivalent)	\$235
Contingency	\$2
Generator Supported PTF Costs* (\$M):	\$0.00
 - d. Generator Supported PTF Costs* (\$M): \$0.00

If the costs in 8.b. plus 8.d. do not equal the total proposed PTF cost (8.a) explain and indicate who is responsible for the remaining costs.

- 9. Total Proposed Non-PTF Cost of this Project (\$M): \$0
- 10. Proposed PTF Costs (\$M) introduced as a result of local, state or other regulatory/legislative requirements, including costs identified pursuant to Section 1.6.3 of this PP-4. \$0
 - a. Description of Proposed PTF Cost introduced as a result of local, state or other regulatory/legislative requirements as defined in question 8 above.
- 11. All other Project Costs not captured in PTF Costs (8) or Non-PTF Costs (9) (\$M) associated with this Project: \$0

- 12. Total PTF Cost based on: (check one)
 - Actual Costs
 - OR
 - Estimated Costs*

13. Valuation Year(s) of dollar amounts submitted above: _____ 2018

14. If applicable, explain how the cost of common facilities were allocated between PTF and Non-PTF.

- 15. Does this Project result in a change of existing Non-PTF facilities to PTF?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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16. Describe the major transmission alternatives, and their costs consistent with the breakdown provided in item 7 of this Application, that were considered. Provided an explanation why the preferred alternative was selected.
(Include available documentation relative to the major transmission alternatives analysis and selection.)

Alternative: Do nothing but for the reasons stated in 6 above is not acceptable.

Preferred: Field Inspections have indicated a significant amount of degradation and decreased load carrying capacity of wood 345-kV structures (many of the poles show signs of decay, woodpecker damage, rot, and deterioration). Replacing the structures resolves multiple structural/hardware issues and supports safe and reliable operation of the transmission line.

17. Has state and local siting been completed? If yes, explain the siting process and any provisions that were made during siting, provide docket or siting reference numbers. If no, then explain when siting is expected to be completed and any provisions that have been agreed to.

No unusual siting or permitting was required for this project.

* Pool-Supported PTF costs were determined pursuant to Schedule 11 of Section II of the Tariff.

391 Line 345-kV Structure Replacement Project Correlation Table

<u>ICA Item</u>	<u>RSP: Project ID #</u>	<u>Study: Reliability Issues Requiring Action</u>	<u>PPA No.</u>	<u>PPA Application: Preferred Solution Description</u>	<u>PAC/RC Meeting: Presentation Reference</u>	<u>TCA Application: PTF Estimate Non-PTF Estimate</u>	
ES-19-TCA-11		n/a	n/a	Replace 71 wood 345-kV structures with light-duty steel pole structures, including hardware, insulators, and guys.	Per PAC Presentation 12/20/2017	\$ 17,858	
				SUBTOTAL		\$ 17,858	\$ -