



Operations Project Authorization Form

Date Prepared: 12/11/2020	Project Title: Maintain Voltage Annual Program
Company/ies: Eversource NH	Project ID Number: DK9R
Organization: NH Operations	Class(es) of Plant: Distribution
Project Initiator: Pat Sullivan	Project Category: Peak Load – Distribution Line Capacity – Voltage Correction
Project Manager: Pat Sullivan	Project Type: Annual
Project Sponsor: Mark Sandler	Project Purpose: Maintain Voltage
Estimated in service date: 12/31/2021	If Transmission Project: PTF? NA
Eng. /Constr. Resources Budgeted? Yes	Capital Investment Part of Original Operating Plan? Yes
Authorization Type: Full Funding	Facility Type (check all that apply):
Total Request: \$1,158,000	<input type="checkbox"/> PTF <input type="checkbox"/> non-PTF <input checked="" type="checkbox"/> Distribution

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

An approval of \$1.158 million is requested for the 2021 Voltage Correction annual program.

An annual program includes many similar, small, and/or routine capital jobs performed over the course of a year for which one project authorization form can be prepared. This project authorization form is being prepared for the voltage correction program across New Hampshire, but not for the voltage correction projects established for each area work center or work orders used to track the voltage correction costs work. The individual area work center projects roll up to the annual program and are covered under this annual program authorization.

Annual Projects roll up to an Annual Program. If a single work order within an Annual Project exceeds the applicable threshold established in Accounting Policy Statement 1 (APS-01), the work order shall be included with a project authorization form and approved as a specific project.

The voltage correction annual program covers construction required to maintain voltage within required regulatory limits. Each area work center will have a separate project covering the voltage correction projects in the individual work center.



Project Costs Summary *Note: Dollar values are in thousands*

Line item Category	Prior Authorized	Actuals to Date	2020 to Go	2021	2022	2023	2024	2025	Total
1. ROW / Easements / Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Environmental Approvals / Permits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Outreach	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4. Siting Approvals / Permits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5. Engineering / Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6. Materials (Eversource purchased)	\$0	\$0	\$0	\$244	\$0	\$0	\$0	\$0	\$244
7. Construction (incl mat'l's by contractors)	\$0	\$0	\$0	\$358	\$0	\$0	\$0	\$0	\$358
8. Testing / Commissioning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9. Project Mgmt Team	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10. Removals	\$0	\$0	\$0	\$30	\$0	\$0	\$0	\$0	\$30
11. Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12. Risks	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL DIRECTS W/ RISKS	\$0	\$0	\$0	\$632	\$0	\$0	\$0	\$0	\$632
13. Indirects/Overhead	\$0	\$0	\$0	\$521	\$0	\$0	\$0	\$0	\$521
14. AFUDC	\$0	\$0	\$0	\$5	\$0	\$0	\$0	\$0	\$5
PROJECT TOTAL – BASELINE BUDGET	\$0	\$0	\$0	\$1,158	\$0	\$0	\$0	\$0	\$1,158
15. Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL CAPITAL REQUEST	\$0	\$0	\$0	\$1,158	\$0	\$0	\$0	\$0	\$1,158
16. Reimbursables/Customer Contribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT TOTAL (LESS REIMBURSABLES)	\$0	\$0	\$0	\$1,158	\$0	\$0	\$0	\$0	\$1,158
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL REQUEST	\$0	\$0	\$0	\$1,158	\$0	\$0	\$0	\$0	\$1,158

Note: Explain unique payment provisions, if applicable: *Provide a detailed breakdown of Other costs here.*

000002

DE 22-030
Exhibit 9



Breakout Costs

Note: Dollar values are in thousands

Line item Category	Prior Authorized	Actuals to Date	2020 to Go	2021	2022	2023	2024	2025	Total
ST Labor	\$0	\$0	\$0	\$124	\$0	\$0	\$0	\$0	\$124
OT Labor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services Labor	\$0	\$0	\$0	\$234	\$0	\$0	\$0	\$0	\$234
Materials*	\$0	\$0	\$0	\$244	\$0	\$0	\$0	\$0	\$244
Removals	\$0	\$0	\$0	\$30	\$0	\$0	\$0	\$0	\$30
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Indirects	\$0	\$0	\$0	\$521	\$0	\$0	\$0	\$0	\$521
AFUDC	\$0	\$0	\$0	\$5	\$0	\$0	\$0	\$0	\$5
TOTAL CAPITAL REQUEST - W/O REIMBURSABLES	\$0	\$0	\$0	\$1,158	\$0	\$0	\$0	\$0	\$1,158

*All materials including Eversource purchased and outside service purchased. Note that outside service purchased material included in construction in project cost summary above.



Future Financial Impacts:

Provide below the estimated future costs that will result from the project:

Note: Dollar values are in thousands

Future Costs	Year 20__	Year 20__	Year 20__	Year 20__ +	Total Future Project Costs
Capital	\$ -	\$ -	\$ -	\$ -	\$ -
O&M	-	-	-	-	-
Other	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -

Describe the estimated future Capital, O&M, and/or Other costs noted above:

What functional area(s) will these future costs be funded in? _____
A representative from the respective functional area is required to be included as a project approver.

Provide below the estimated future financial benefits that will result from the project:

Note: Dollar values are in thousands

Future Benefits	Year 20__	Year 20__	Year 20__	Year 20__ +	Total Future Project Benefits
Capital	\$ -	\$ -	\$ -	\$ -	\$ -
O&M	-	-	-	-	-
Other	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -

Describe the estimated future Capital, O&M, and/or Other benefits noted above:

What functional area(s) will these benefits be reflected in? _____
A representative from the respective functional area is required to be included as a project approver.

Asset Retirement Obligation (ARO) and/ or Environmental Cleanup Costs (Environmental Liabilities):

Is there an ARO associated with this project? No

Are there other environmental cleanup costs associated with this project? No.

EVERSOURCE

Project Authorization Form

Technical Justification

Project Need Statement

This Annual project provides funding for a variety of activities required to maintain service voltage within prescribed regulatory limits.

Project Objectives

Work performed under this annual may include the installation of capacitors and regulators, load balancing, conversions etc., provided the driving reason for the work is to maintain voltage within the limits set by the NHPUC.

Project Scope

Work under this annual will be performed at various locations around the state of NH within the Eversource service territory.

Background / Justification

This is an annual project which is required to fulfil the Company's obligation to provide voltage to customers within limit established by the NH Public Utilities Commission.

Business Process and / or Technical Improvements

Maintain voltage within regulatory limits.

Alternatives Considered with Cost Estimates

Not applicable.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Annual program completion	12/31/2021

Regulatory Approvals

The construction budget is submitted to the New Hampshire Public Utilities Commission in accordance with Rule Puc 308.07 using Form E-22. Also on a quarterly basis projects not previously reported in the annual construction budget that have exceeded \$100,000 are reported to the New Hampshire Public Utilities Commission.

Risks and Risk Mitigation Plans

Failure to correct voltages outside regulatory limits may result in Regulatory action and/or decreases in customer satisfaction.

On a monthly basis, capital project spending is reviewed and any risks are identified and managed during that meeting.

References

Not applicable.

Attachments (One-Line Diagrams, Images, etc.)

Not applicable.

Cost Estimate Backup Details

Annual funding for this project was estimated using historical spending.



APS 1 - Project Authorization Policy

Appendix 4
Supplement Request Form

Supplement Request Form

Project Title: 2021 Maintain Voltage Annual Program	Project Number: DK9R
Date Prepared: 01/19/2022	Company: NH Electric Distribution 06 -
Organization: NH Operations	Class(es) of Plant: Distribution
Project Initiator: Pat Sullivan	Project Category: Peak Load – Distribution Line Capacity – Voltage Correction
Project Manager: Pat Sullivan	Project Type: Annual
Project Sponsor: Jason Yergeau	Project Purpose: Maintain Voltage
Estimated in service date: 12/31/2021	Capital Investment part of original Operating Plan: Yes
Current Authorization Amount: \$ 1,158,000	O&M Expenses part of request: Yes
Supplement Request: \$1,020,000	Other:
Total Request: \$2,178,000	

Supplement Justification

This Annual project was budgeted and authorized based on historical expenditures. An increase in the amount of work required to maintain voltage within regulatory limits in 2021 has necessitated this Supplemental request due to an increase in the authorized Direct costs. Increases are in Materials, Construction / Outside Services, Labor, Overtime, and Other categories.

Justification for Additional Resources

The reasons for the project authorization supplement of \$1,020,000 are summarized below.

1. **Materials (by Eversource): \$368,000** increase
2. **Construction: \$272,000** increase
3. **Labor: \$22,000** increase
4. **Overtime: \$5,000** increase
5. **Other: \$5,000** increase
6. **Indirects: \$348,000** increase

Total Supplement Request: \$1,020,000

Please find a copy of the prior authorization document attached as reference.



Supplement Cost Summary

Capital Costs	Prior Authorized	Supplemental Request	Total
Direct Capital Costs			
Internal Labor	154	27	181
Outside Services	234	272	506
Materials	244	368	612
Removals			
Risk and Contingency			
Other		5	5
<u>Subtotal</u>	632	672	1,304
Indirect Capital Costs			
Indirect/Overheads (including benefits)	521	347	868
Capitalized interest or AFUDC, if any	5	1	6
<u>Subtotal</u>	526	348	874
Total Customer Contribution	-	-	-
Total Capital Project Costs	1,158	1,020	2,178

The "Other" charges are allocations for tools and other materials.

Operations Project Authorization Form

Commented [MK1]: CONFIRM this is the PowerPlan version of the original PAF

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Other	-	-	-	-	-
TOTAL \$	\$ -	\$ -	\$ -	\$ -	\$ -

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O&M	-	-	-	-	-
Other	-	-	-	-	-
TOTAL \$	\$ -	\$ -	\$ -	\$ -	\$ -

Describe the estimated future Capital, O&M, and/or Other benefits noted above:

What functional area(s) will these benefits be reflected in? _____

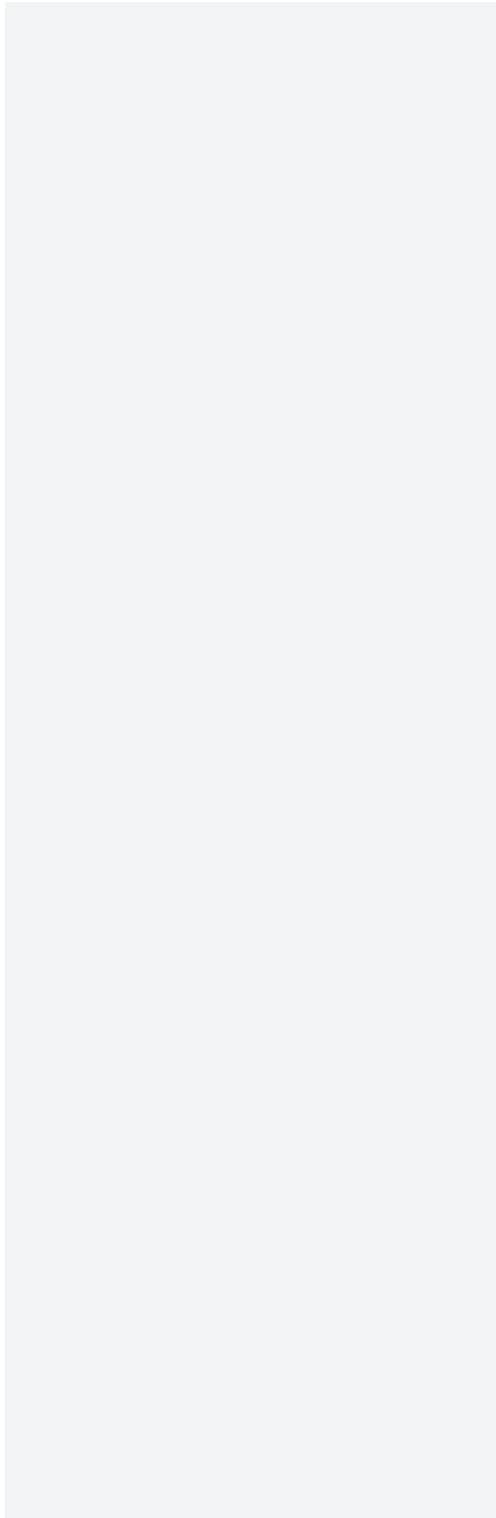
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Asset Retirement Obligation (ARO) and/ or Environmental Cleanup Costs (Environmental Liabilities):

Is there an ARO associated with this project? No

Are there other environmental cleanup costs associated with this project? No.

Public Service Company of New Hampshire
d/b/a Eversource Energy
DE 22-030
Attachment DOE 1-4
Page 378 of 450





Technical Justification

Project Need Statement

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Project Objectives

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Background / Justification

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Business Process and / or Technical Improvements

Maintain voltage within regulatory limits.

Alternatives Considered with Cost Estimates

Not applicable.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Annual program completion	12/31/2021

Regulatory Approvals

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Risks and Risk Mitigation Plans

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References

Not applicable.

Attachments (One-Line Diagrams, Images, etc.)

Not applicable.

Cost Estimate Backup Details

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Public Service Company of New Hampshire
d/b/a Eversource Energy
DE 22-030
Attachment DOE 1-4
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APS 1 - Project Authorization Policy

Appendix 5

Subsidiary Board Approval Package Template

Subsidiary Board Approval Package Template

Template for Capital Project Review and Approval by a Subsidiary Board

[Sponsoring Operating Unit or Corporate and Shared Services Group] [Project Title]
Capital Project Review and Approval

[Subsidiary] Board of Directors [Sponsoring Officer] [Date of Submission]



Sub Board Approval
Template.pptx

*Note: to save, complete and print the template, please right click on the above icon and select
Presentation Object and Open*