# Supplement Request Form

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|---|---|
| Date Prepared: 7/20/2021 | Project Title: [redacted] – Smart Switch Installation |
| Company: Eversource Connecticut | Project ID Number: CD00890 |
| Organization: Electric | Plant Class: Overhead Distribution |
| Project Initiator: [redacted] | Project Type: *Specific* |
| Project Manager: [redacted] | Capital Investment Part of Original Operating Plan? Yes |
| Project Sponsor: [redacted] | O&M Expenses Part of the Original Operating Plan? No |
| Current Authorized Amount: $652,807 | Estimated in service date(s): 9/30/2019 |
| Supplement Request: $833,035 | Other: Eliminate Large Customer Zone |
| Total Request: $1,485,842 | |

## Executive Summary

This project implements the 2018 Smart Switch Program. This project proposes to install sectionalizing and smart switches on the former 2B6 circuit to reduce the customer zone down from 1,191 customers to customer counts of 44, 282, 317, 282 and 266 customers on adjacent side taps.

[redacted]

[redacted]

### Justification for Additional Resources

ENG is $1,486K vs. $653K 228% of ENG

The increase in cost is due to the discovery of #6 copper on Branch Rd. which is not allowed in a backbone circuit. The copper wire was replaced with 1,200 ft of 336TW. A large cause was also due to pole change outs, the 2B6 circuit has older infrastructure which required many new pole sets when moving around equipment and increasing the pole heights. There were 69 new pole sets which were needed which included the area of reconductoring.

42 of the 69 new poles replaced poles that were 40 years or older. Only 13 pole sets were anticipated during the initial ENG.

[redacted] The unexpected increase in scope accounts for about $833K in extra costs. Additional cost escalation was due to high bid costs.

## Supplement Cost Summary

| | Prior Authorized | Supplement Request | Total |
|---|---|---|---|
| Capital Additions - Direct | $ 633,876 | $ 208,347 | $ 842,223 |
| Less Customer Contribution | - | - | - |
| Removals net of Salvage ____% | - | - | - |
| Total Direct Spending | $ 633,876 | $ 208,347 | $ 842,223 |
| Capital Additions - Indirect | - | 413,418 | 413,418 |
| AFUDC | - | 13,714 | 13,714 |
| Total Capital Request | $ 633,876 | $ 635,479 | $ 1,269,355 |
| O&M | 18,931 | 197,556 | 216,487 |
| **Total Request** | **$ 652,807** | **$ 833,035** | **$ 1,485,842** |

Total Supplement Request by year view:

| | Prior to 2021 | Future Spend | Total |
|---|---|---|---|
| Capital Additions - Direct | $ 208,347 | $ - | $ 208,347 |
| Less Customer Contribution | - | - | - |
| Removals net of Salvage ____% | - | - | - |
| Total Direct Spending | $ 208,347 | $ - | $ 208,347 |
| Capital Additions - Indirect | 413,418 | - | 413,418 |
| AFUDC | 13,714 | - | 13,714 |
| Total Capital Request | $ 635,479 | $ - | $ 635,479 |
| O&M | 197,556 | - | 197,556 |
| **Total Request** | **$ 833,035** | **$ -** | **$ 833,035** |



2B6 - CD00890 - Project Authorization