EVERSOURCE

Supplement Authorization Form

Project Title: **Cheshire Highway Crossings**	**Project Number: CD00630**
Date Prepared: 04/29/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** STRUCTURAL AND ELECTRICAL
Initiating Organization: Distribution	**Project Type:** Specific
Project DDE: [redacted]	**Capital Investment part of 5-year plan?** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Current Authorized Amount: $ 888,255	**Approved In-Service Date:** 12/31/2016
Supplement Request: $ 408,669	**Estimated In-Service Date:** 12/31/2019
Total Capital Request: $ 1,296,924	**Authorization Type: Supplement Request**
	Reason: Cost Overage

1. Project Background

Project CD00630 was created for the structural upgrades to major highway crossing to comply with Grade B / Cat.3 hurricane (130MPH) and Grade B/resiliency (95MPH) construction guidelines per PURA commitment in Cheshire AWC.

This project addressed distribution overhead line structural upgrades, including pole replacements, double dead-end constructions, and improvements and/or additional pole guying upgraded at each crossing.

2. Supplement Justification Overview

The requested amount of $408.7k which is 62% above the authorized direct cost of $888.3k. Project costs increased due to traffic control mandated by CTDOT permit requirements, higher construction expenses from extra labor, materials, and nighttime work.

3. Supplement Justification Detail

Additional $408.7k is mainly due to enhanced traffic control requirements mandated by CTDOT permits, which resulted in unplanned costs to safely accommodate work along active highways. Construction costs increased due to added labor and materials required for Frontier pole installations, and nighttime work required at certain crossings to comply with permit conditions.

4. Supplement Cost Summary (Project Total)

Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Internal Labor and Construction Equipment	2.2	455.6	-453.5	2.0
Outside Services	883.3	0.0	820.8	820.8
Materials	79.5	0.0	73.9	73.9
Removals	0.0	138.3	-70.3	68.0
Risk and Contingency	25.4	0.0	25.4	25.4
Other	-4.1	0.0	-3.8	-3.8
SUBTOTAL DIRECTS W/RISKS	**986.4**	**593.8**	**392.6**	**986.4**

Indirect Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Indirects/Overheads (including benefits)	306.5	289.8	16.7	306.5
Capitalized interest or AFUDC, if any	4.1	4.6	-0.6	4.1
Subtotal – Indirect Costs	**310.6**	**294.4**	**16.1**	**310.6**
Total Capital Costs (Gross)	**1,296.9**	**888.3**	**408.7**	**1,296.9**
Reimbursables/ Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Total (LESS REIMBURSABLES)	**1,296.9**	**888.3**	**408.7**	**1,296.9**

New Total Request by Year (if applicable)

Note: If multi-year project, include actuals for current and years past, and then show forecasted spend for upcoming years.

Line-item Category	2016 Actual	2017 Actual	2018 Actual	2019 Actual	TOTAL
Internal Labor & Equipment	0.8	1.2	0.0	0.0	2.0
Outside Services	312.5	496.6	13.4	-1.7	820.8
Materials	28.1	44.7	1.2	-0.2	73.9
Removals	25.2	40.0	1.1	1.7	68.0
Risk and Contingency	0.0	0.0	0.0	25.4	25.4
Other	-1.4	-2.3	-0.1	0.0	-3.8
SUBTOTAL DIRECTS W/ RISKS	**365.2**	**580.2**	**15.6**	**25.3**	**986.4**
Indirects / Overheads (including benefits)	153.9	134.9	24.0	-6.4	306.5
AFUDC	1.5	2.1	0.4	0.0	4.1
SUBTOTAL Indirect Cost	**155.5**	**137.1**	**24.4**	**-6.4**	**310.6**
TOTAL Capital Request	**520.6**	**717.3**	**40.1**	**18.9**	**1,296.9**
Reimbursables/Customer Contribution	0	0	0	0	0
PROJECT TOTAL (LESS REIMBURSABLES)	**520.6**	**717.3**	**40.1**	**18.9**	**1,296.9**

5. Lessons Learned

Greater contingencies should be utilized in future for highway related work.

Operations Project Authorization Form

Date Prepared: 11/23/16	Project Title: Cheshire Highway Crossings
Company/Companies: Eversource CT	Project ID Number: CD00630
Organization: Distribution	Plant Class/(F.P.Type):
Project Initiator:	Project Type: *Specific*
Project Owner/Manager: [redacted]	Capital Investment Part of Original Operating Plan? Y
Project Sponsor: [redacted]	O&M Expenses Part of the Original Operating Plan? Y
Current Authorized Amount: $107,751	Estimated in service date(s): December 2016
Supplement Request: $1,157,430	Other:
Total Request: $1,265,181	

Project Authorization Supplement Justification

This request has been prepared to request additional funding for the System Resiliency Cheshire Highway crossings project. The original "ENG" estimate was approved on 11/4/15 per the OCRC process.

The approved ENG estimate for this work was $107,751 including $30,786 of contingency. The scope of the estimate included upgrading [redacted] poles to grade B construction on major highways and ramps.

One project was created per Area Work Center to facilitate coordination of design, permitting, and construction resources. Pole loading analysis and visual inspections were performed by engineering vendors and CDOT permits have been received and approved. This project will address distribution overhead line structural upgrades such as, pole replacements, double-deadend construction, and improvements and/or additional pole guying to upgrade each crossing. This project includes upgrades to locations in the Cheshire Area Work Center.

Since the original ENG approval amount, the scope of the project has increased to include [redacted] total poles. The Company has selected to outsource the construction and the cost below is representative of the lump sum award for this project.

Details of the project cost increase changes are outlined below.

1. Extensive unrealized costs of traffic control were identified based on CTDOT permits during detailed design. Due to the need for highway traffic control, additions totaled $201,000

2. Additional highway crossings were identified based on further review of pole loading analysis.

3. Additional contractor expenses included incremental costs for labor and material for Frontier poles. Extended work hours and nighttime work is required for some highway crossings based on permits.

4. Lump sum bids were awarded at higher than anticipated costs.

The total value of the changes above is $1,157,430 which is the value of the increase funding authorization that the project seeks in the Supplemental Authorization Request.

Project Authorization Supplement Cost Summary

Distribution Overview of Cost Summary (AIMS Snapshot)

Segment No	Title	Preliminary Estimate	Construction Estimate	Variance Amount	Variance %	In Service Date
CD00630-01	Highway Crossings	$22,603.00	$973,408.20	$950,805.20	4307%	12/31/2016
CD00630-02	Ramp (HWY) Crossings	$85,148.00	$291,773.28	$206,625.28	343%	12/31/2016
		Sum : $107,751.00	Sum : $1,265,181.48	Sum : $1,157,430.48		

Note: ***Preliminary Estimate is the original "ENG" estimate approved on 11/4/16. Construction Estimate is the new detail estimate which includes lump sum bid amounts. Variance amount is the supplemental amount being requested as part of this supplemental PAF Form.***

Supplemental Request Cost Breakdown:

	Prior Authorized	Supplement Request	Total
Capital Additions - Direct	$ -	$ 455,560	$ -
Less Customer Contribution	-	$ -	-
Removals net of Salvage ____%	-	$ 138,261	-
Total Direct Spending	$ -	$ 593,821	$ -
Capital Additions - Indirect	-	$ 289,807	-
AFUDC	-	$ 4,627	-
Total Capital Request	$ -	$ 888,255	$ -
O&M	-	$ 269,175	-
Total Request	**$ 107,751**	**$ 1,157,430**	**$ 1,265,181**

Note: Prior authorized amount (ENG) breakdown is not available due to system constraints.

Note: Supplemental request amount breakdown based on total construction estimate from Detail Design (STORMS).

Total Supplemental Request by year view:

	2016	2017	2018+	Totals
Capital Additions - Direct	$ 455,560			$ 455,560
Less Customer Contribution	$ -			$ -
Removals net of Salvage	$ 138,261			$ 138,261
Total - Direct Spending	$ 593,821	$ -	$ -	$ 593,821
Capital Additions - Indirect	$ 289,807			$ 289,807
AFUDC	$ 4,627			$ 4,627
Total Capital Request	$ 888,255	$ -	$ -	$ 888,255
O&M	$ 269,175			$ 269,175
Total Request	$ 1,157,430	$ -	$ -	$ 1,157,430