Supplement Request Form

Date Prepared: July 28, 2021	Project Title: New Service [redacted] New Britain
Company/Companies: Eversource	Project ID Number: CD00984
Organization: Distribution Electric	Plant Class/(F.P.Type): 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? Yes
Current Authorized Amount: $261,977	Estimated in service date(s):
Supplement Request: $305,487	Other:
Total Request: $567,464 ($3,965)	

Supplement Justification

Field Engineering Design has received a new service request from the customer at [redacted]

[redacted]

[redacted]

The plan to use the existing service box would not work since there was a fiber optic cable in the service box. This led to trying to install a pour-in-place manhole over the existing conduits in the street. After finding all utilities in the area, the pour-in-place manhole was eliminated from the project scope since there was not enough existing room in the street or sidewalk. An easement was negotiated with the customer at [redacted] for a new 5" X 10" precast manhole and a hexagonal handhole. The hexagonal handhole is used for supplying the single-phase overhead on Russell Street and the new transformer pad. The four conduits in the original estimate, ended up being utilized by fiber between the new manhole and the manhole at the intersection of Russell Street and West Main Street. The fiber cable installation was installed when the City of New Britain owned the underground structures in New Britain.

The project was constructed in 2019.

Justification for Additional Resources

	Revised ENG.	ACT	Variance	Comments
Total Cost ($000):				
Conversion		$77,383	($19,188)	
Conversion Cutover	$13,554			
Overhead Primary	$25,940			
Poles	$20,188			
Risers	$7,370			
Switching	$14,049			
Traffic Control	$7,290			
Transformers	($0)			
Tree Trimming	$8,180			
Parallel Cutout & Disconnect		$34,283	$34,283	[redacted]
Underground cable	$58,976	$195,598	$136,622	4/0 Al EPR is the standard design for an UG Loop.
UG Structures		$264,166	$168,079	See Note in the material table covering about the pour-in-place manhole.
Contractor Labor	$0			
Manhole and Conduits	$96,087			
Contribution		($3,965)	($3,965)	Contribution was estimated in the original estimated.
Loaders	$0		$0	
Subtotal	$251,633	$0	$315,831	
Contingency (25%)	$10,344	$0	($10,344)	
Total	$261,977	$567,464	$305,487	

	Revised ENG.	ACT	Variance	Comments
Major Material (number of units):				
Poles (#)	6	3	(3)	
1/0 ACSR TW Cable (length)	700	572	(128)	
1/0 ACSR TPX (length)		146	146	The open wire secondary wires needed to be replaced.
4/0 Al EPR (length)	2,000	1,890	(110)	
Poured-in-place Manhole	1	-	(1)	
Conduits	-	1,400	1,400	After reviewing the other utility's location in Russell Street, the four new conduits were required.
Manhole 5" X 10"	-	1	1	The pour in place manhole could not fit. Acquired an easement from customer and install a precast 5" X10" manhole and hexagonal handhole instead.
Hexagonal Handhole	1	1	-	
Parallel Cutout/Disconnect	-	3	3	See note in the cost table.
Transformers	3	3	-	
Cutouts	3	4	1	
Lightning Arresters		-	-	

Supplement Cost Summary

	Prior Authorized	Supplement Request	Total
Capital Additions - Direct	$ 145,508	$ 182,894	$ 328,402
Less Customer Contribution		(3,965)	(3,965)
Removals net of Salvage ____%	22,310	(22,310)	-
Total Direct Spending	$ 167,818	$ 156,619	$ 324,437
Capital Additions - Indirect	88,904	121,691	210,595
AFUDC	1,433	5,149	6,582
Total Capital Request	$ 258,155	$ 283,459	$ 541,614
O&M	3,822	22,028	25,850
Total Request	**$ 261,977**	**$ 305,487**	**$ 567,464**

Total Supplement Request by year view:

	Year 20__	Year 20__	Year 20__+	Total
Capital Additions - Direct	$ 189,299	$ -	$ -	$ 189,299
Less Customer Contribution	-	-	-	-
Removals net of Salvage ____%	(6,117)	-	-	(6,117)
Total Direct Spending	$ 183,182	$ -	$ -	$ 183,182
Capital Additions - Indirect	103,494	-	-	103,494
AFUDC	2,464	-	-	2,464
Total Capital Request	$ 289,140	$ -	$ -	$ 289,140
O&M	16,347	-	-	16,347
Total Request	**$ 305,487**	**$ -**	**$ -**	**$ 305,487**



Project Authorization Form