EVERSOURCE

Operations Project Authorization Form

Approved on March 29, 2022 EPAC

Link to Meeting Minutes

Project Title: [redacted] **Transformer Replacements**	**Project Number: CS00516**
Date Prepared: 03/24/2022	**Company: Eversource CT**
Organization: System Planning	**Class(es) of Plant: D SS**
Project Initiator: [redacted]	**Project Category: Stations - Transformers**
Managing Organization: Engineering	**Schedule ID#: 80121158**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Capital Investment part of original Op Plan: Yes**
Estimated in service date: 12/31/2022 (3X), 5/31/2023 (2X)	**Emergency Related Request? Yes**
Eng./Constr. Resources Budgeted? Yes	**Facility Type (check all that apply):** ☐ **PTF** ☐ **non-PTF** ☒ **Distribution** ☐ **N/A (General Plant)**
Total Capital Request: $2,954K	**Authorization Type: Partial Funding**

[1] Executive Summary

This project is seeking partial funding of $2,954K to support detailed engineering design documents and receipt of materials authorized via material exemption for the [redacted] Initial funding of $250K was approved in PowerPlan on September 15, 2021. Due to the delay in the delivery of the [redacted] originally planned for Spring 2022 was delayed until Fall 2022. To date, the initial funding has been used to develop detailed civil and P&C packages, preliminary electrical packages, conceptual level scopes for project alternatives and associated cost estimates for presentation to the Solution Design Committee (SDC), and some material procurement per Material Exemption. The alternatives and complete preferred project scope was presented to and approved by the SDC on December 8, 2021.

[redacted]

[redacted]

The partial funding of $2,954K will be used for the following:

- IFC packages for 3X transfromer replacement
- Detailed packages for 2X transformer and relay replacement
- Receipt of material for 3X transformer / realy repalcement approved via material exemption.
    - Transformer is due to arrive early May
    - Switch combo is due in Mayl
- Environmental efforts, including soil boring to characterize soil on site (there are know oil leaks with potential polychlorinated biphenyls (PCBs))
- Estimates and efforts for EPAC full funding approval

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[2] PROJECT COSTS SUMMARY

Note: Dollar values are in thousands

Line item Category	Prior Authorized	Actuals to Date	2022 to go	2023	2024	Total
1. ROW / Easements / Land purchases		$5	$2			$7
2. Environmental Approvals / Permits		$5	$2			$7
3. Outreach		$10	$5			$15
4. Siting Approvals / Permits		$5	$4			$9
5. Engineering / Design		$146	$109			$255
6. Materials (Eversource purchased)		$24	$1,710			$1,734
7. Construction (incl matl's by contractors)			$27			$27
8. Testing / Commissioning			$			$
9. PMT Project Mgmt. Team		$20	$22			$42
10. Removals			$0			$0
11. Other						
12. Risks						
Project Directs Total w/Risks	**$250**	**$215**	**$1,881**			**$,3096**
13. Indirects/Overhead		$166	$667			$833
14. AFUDC		$5	$20			$25
Project Total - Baseline Budget	**$250**	**$386**	**$2,568**			**$2,954**
15. Contingency						
Project Total - Funding Approval Level	**$250**	**$386**	**$2,568**			**$2,954**
16. Reimbursables/Customer Contribution						
Project Total (less reimbursables)	**$250**	**$386**	**$2,568**			**$2,954**
Total O&M						
TOTAL REQUEST	**$250**	**$386**	**$2,568**			**$2,954**

Detail other costs, project risk items and their allocations:

Risk	Allocation
1. N/A	$
2.	$
3.	$
4.	$
5.	$
Total	$0

Explain unique payment provisions, if applicable:

Two material exemption forms have been approved for the project. The first authorized $90,000 for the switch combo and neutral reactor. The second was approved for $80,000 for physical material, structural steel, conduits, anchor bolts, control cables, grounding wire and protective relaying. The transformer was purchased via Eversource blanket purchase order with Hitachi for large transformers.

Identify and detail any unique O&M impacts resulting from this project: None

[3] TECHNICAL JUSTIFICATION

Project Need, Objective and Justification

[redacted]

Overload Ratings:

[redacted]

Existing Station Capabilities:

Total Station	Station Firm	Load
[redacted]		

2022-2026 Projected Load:

2022	2023	2024	2025	2026
[redacted]				

[redacted]

Project Objectives

[redacted]

Project Scope

The scope of this project is for the engineering design and construction to complete the [redacted]

[redacted]

[redacted]

- Sound study to identify any additional modifications required. This study has been completed and sound levels with new transformer are lower than existing units.

Substation Equipment

Station	Device Position / Nomenclature	Device Removals *include manufacturer*	Device Additions *include manufacturer*
[redacted]			[redacted]
		[redacted]	

Background

[redacted]

[4] ALTERNATIVES CONSIDERED

This project was presented to and the preferred alternative approved by the SDC on December 8, 2021.

Alternative 1 - Replace the [redacted] (Preferred)

[redacted]

Cost Estimate – $12.4M – Conceptual Grade -25% / +50% ($150K risk allocation to remove contaminated soil)

Advantages – [redacted]

Disadvantages – None

Alternative 2 - Further Testing, Load Transfer, and Replace Peaceable 12N Transformers

[redacted]

[redacted]

Cost Estimate – $28.5M (Repair 22N-3X - $3.83M + Peaceable 12N - $22-24M + load transfer $600K)

Advantages – None

Disadvantages – [redacted] This option is also the higher cost.

Alternative 3 - NWA (Non-wires Alternative)

Does not qualify due to poor health indexes for both transformers.

Alternatives 4 - Do Nothing

Not recommended to do nothing with the [redacted]

[5] PROJECT SCHEDULE

Milestone	Scheduled Completion Date
Project Need by Date	5/31/23
Date of IFR Approval	9/15/21
Complete Conceptual design of Alternative(s)	9/24/21
Initiator complete SSF form	1/3/22
SDC Presentation Date(s)	1/26/22
Conversion of Tx development costs, 183 to 107 (applicable to projects that require SSF approval but do not require ISO alternative selection)	N/A
Partial Funding Approval at EPAC	3/29/22
Preliminary Design Complete	4/29/22
Preliminary Design Constructability review complete	5/13/22
Full funding estimate complete	5/20/22
Full funding estimate review	5/27/22
Initiator complete PAF form	6/3/22
EPAC Funding Dates (Full)	6/22/22
Detail Design Complete	7/15/22
Final Constructability Review Complete	7/29/22
Targeted Milestone Dates:	
· Siting Approval (if applicable)	N/A
· Env. Approvals (if applicable)	N/A
· Outage & Energization Plan Issued	2/24/22
· All Material on Site	7/30/22 (3X Trans) / 12/31/22 (2X)
· Outage Permit(s) Approved	4/15/22
IFC Design Complete	7/1/22 (3X Trans) / 8/12/22 (2X)
Start of Construction	9/6/22 (3X Trans) / 1/3/23 (2X)
Project ISD	12/31/22 (3X Trans) / 5/31/23 (2X)
Relay Settings Issued (*Required for Full Funding requests)	3/31/22
ISO Related Milestones (for applicable projects)	
· ISO Preferred Alternative Selected	N/A
· Conversion of Tx development costs, 183 to 107 · (following ISO preferred alternative selection)	N/A
· PAC Presentation	N/A
· TCA Submittal	N/A

See Attachment B for the P6 schedule. NOTE: P6 schedule is being updated to reflect the new transformer and relay install dates.

[6] Regulatory Approvals

Regulatory approvals will not be required due to the replacement of the Ridgefield transformers and protective relays.

[7] Risk and Risk Mitigation Plans

Project risks with their associated mitigation strategies include the following: During transformer replacement, a mobile transformer will be installed to carry station load while the transformer replacements are being performed.

Contingency:

Contingency is not being requested for this partial funding request.

Risk Mitigation:

Risk	Mitigation
1. TBD	
2.	
3.	
4.	
5.	

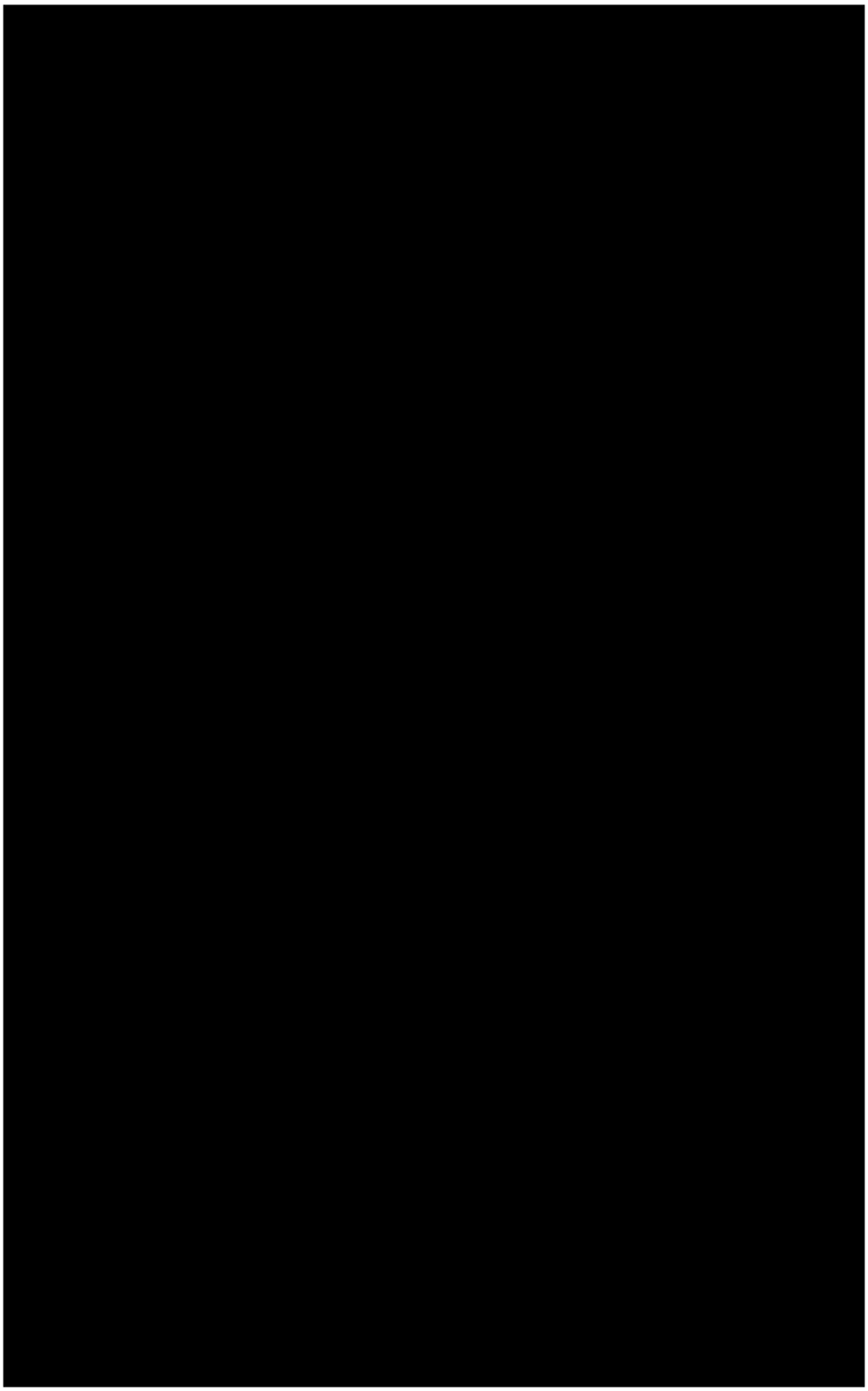
[8] REFERENCES

References
1.
2.
3.
4.
5.

[9] ATTACHMENTS (One-Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. P6 Schedule	*YES*
C. Constructability Review	*N/A*
D. System and Station One-Lines	*YES*

Attachment D – Station One-Line



INSTRUCTIONS:
It is the responsibility of the initiator to contact the subject matter experts in the listed area disciplines to determine if the project considerations contained in this list are applicable to their project. They should fill out the checklist and determine a transition plan for the purpose of project execution. See the PAF Guide for additional instruction.

Project Checklist - Transmission & Substation Capital Project			
Project Name: [redacted] **Transformer Replacements**		**Project Number: CS00516**	
Facility Type: ☐BPS ☐BES ☐PTF ☐PTF non-regional ☐non-PTF ☐CIP ☒Distribution ☐General Plant			
PLANNING			
Is a NX-9 required?		Yes	
Is an ISO-NE PAC presentation required?		No	
ISO-NE Presentation Date (if completed):		Enter Date	
Cost in ISO-NE Presentation ($M) (if completed):		Enter Cost ($M)	
Is a PPA required?		Yes	
ISO-NE Approval Date (if completed):		Enter Date	
Is a TCA Application Required?		No	
TCA Submittal Date (if submitted):		Enter Date	
Cost in TCA Submittal ($M) (if submitted):		Enter Cost ($M)	
Enter ISO-NE RSP / Asset Condition ID, if assigned:		Enter ISO-NE ID	
PLANNING/PROTECTION & CONTROLS			
Are RAS/SPS/UVLs affected?		Yes	
OPERATIONS			
Outage Required?	☒ Primary Equipment (Power Transfer)	☐ Secondary Equipment (P&C only)	☐ Outage Not Required
Do SCLL Conditions Exist?		Yes	
Has an outage schedule been approved?		Yes	
Are Operations & Maintenance procedures/training required?		No	
STANDARDS			
Does the project include standard equipment and designs?		Yes	
SUBSTATION ENGINEERING			
Does this impact Revenue Metering		No	
Is preliminary short circuit/ breaker duty analysis required?		No	
Are there any changes to the baseline audible noise?		Yes	
Is there an impact to the existing ground grid?		Yes	
Is a Transient Over Voltage (TOV) analysis required?		No	

Project Checklist - Transmission & Substation Capital Project	
Project Name:	**Project Number:**
P&C ENGINEERING	
OP-22 - Are PMUs and DDR required?	No
If BPS, is an NPCC Directory #4 presentation required?	No
Are ISO-NE OP-24 Appendix B updates necessary?	No
TRANSMISSION LINE ENGINEERING	
Are there any changes that affect the baseline EMF?	No
Are there any changes that affect the baseline EMI?	No
SITING	
Is a Siting filing required? *(If yes, list in regulatory approvals section)*	No
PERMITTING	
Is there any permitting required? *(If yes, list in regulatory approvals section)*	No
PROJECT SERVICES (OUTREACH) and ROW WORK COORDINATION	
What is the level of outreach expected?	Medium
Is any part of this project in an Environmental Justice Community?	No
Has ROW Coordination reviewed this project?	Yes
Is this project coordinating with other existing scheduled work?	No
INITIATOR	
Has a field constructability review been completed?	No
INVESTMENT RECOVERY	
Does the project require development of an Investment Recovery plan?	No
COST ESTIMATING	
What team/firm prepared the cost estimate?	Other (specify below)
Name of the person who prepared the estimate:	[redacted]
Was the estimate reviewed by Eversource Estimating?	No

ESTIMATE SUMMARY

Project Title: [redacted] - Reol 3X Relays PTs and SS Transformers
Project Manager: [redacted]
Project Number:
WO & Task #:
Estimate revision #: 01
Estimate Type - Station work

Estimate #:
Date of Estimate 09/16/2021
Estimate done by [redacted]
In Service date (ISD) 05/31/2022

Template Revision # 01.66d

Alt Estimate Summary for PP4 Calc (escalation separate)

Estimate #:
Date of Estimate:09/16/2021

Project Number:
WO & Task #:

ESTIMATE SUMMARY

Estimate Type: Planning

WBS	Description	TOTAL	% of Directs	% of Total	Priors	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	ROW / Easements / Land purchases	$7 000	0.3%	0.2%	$5 000		$2 000								
2	Environmental Approvals / Permits	$7,100	0.3%	0.2%	$5,000		$2,100								
3	Outreach	$15,200	0.7%	0.5%	$10,000		$5,200								
4	Siting Approvals / Permits	$9,100	0.4%	0.3%	$5,000		$4,100								
5	Engineering / Design	$109,300	5.3%	3.8%	$100		$109,200								
6	Materials (Eversource purchased)	$1 734 900	83.7%	60.9%	$24 000		$1 710 900								
7	Construction (incl matl's by contractors)	$148,500	7.2%	5.2%			$148,500								
8	Testing / Commissioning														
9	PMT Project Mgmt Team	$41,700	2.0%	1.5%	$20,000		$21,700								
10	Removals	$200	0.0%	0.0%			$200								
11	Other														
12	Risks														
125															
	Project Directs Total w/Risks	**$2,073,000**	100.0%	72.8%	**$69,100**		**$2,003,900**								
13	Indirects/Overhead	$752 200		26.4%			$752 200								
14	AFUDC	$21,800		0.8%			$21,800								
125															
	Project Total - Baseline Budget	**$2,847,000**		100.0%	**$69,100**		**$2,777,900**								
15	Contingency														
	Project Total - Funding Approval Level	**$2,847,000**		100.0%	**$69,100**		**$2,777,900**								
16	Reimbursables/Customer Contribution														

	Project Total (less reimbursables)	**$2,847,000**			**$69,100**		**$2,777,900**								
	Cost per key qty (if appl)	- $'s / EA													
	Amount of Escalation included above	$30 900					$30 900								
6	Total materials - Eversource	$1.734.900			$24.000		$1.710.900								
	Total materials - Contractor														
	Total materials	$1 734 900			$24 000		$1 710 900								

NOTE: Risk / Contingency is 0% of Project Total Costs (incl escal/indirects/AFUDC but excl reimb.)

Estimate Range

-25%	25%
$2,135,000	**$3,559,000**

	TOTAL w/ escal broken out
ROW / Easements / Land purchas	$ 7,000
Environmental Approvals / Permit	$ 7,000
Outreach	$ 15,000
Siting Approvals / Permits	$ 9,000
Engineering / Design	$ 106,200
Materials (Eversource purchased	$ 1,734,600
Construction (incl matl's by cont	$ 144,100
Testing / Commissioning	$ -
PMT Project Mgmt Team	$ 41,100
Removals	$ -
Other	$ -
Risks	$ -
	$2,064,000
Indirects/Overhead	$ 730 400
AFUDC	$ 21,900
	$ -
	$2,816,300
	$ -
Contingency	$ -
	$2,816,300
	$ -
	$ -
	$2,816,300
	$ 30 900
Escal total	**$2,847,200**
Check total	$200

COMMENTS

Project Scope:
Key qty's and UOM (tie to inputs on est sheets) - EA

[redacted]

Assumptions/Clarifications:
Indirect rates based on: 11 - CT Station work

Engineering and Design completede with in-house resources.
Construction and Test completed with contractors.

RISKS

Potential UG Obstructions	$ -
Severe Weather Delays OT	$ -
Design development	$ 10,000

UNESCALATED LINE ITEM DOLLARS

Project Number
Date of Estimate 05/15/2021
Estimate revision # 01

Escalation Rate — E Rate $

		Prior Mhrs	Prior DOLLARS	2021 Mhrs	2021 DOLLARS	2022 1 DOLLARS	2023 2 Mhrs	2023 2 DOLLARS	2024 3 Mhrs	2024 3 DOLLARS	2025 4 Mhrs	2025 4 DOLLARS	2026 5 Mhrs	2026 5 DOLLARS	2027 6 Mhrs	2027 6 DOLLARS	2028 7 Mhrs	2028 7 DOLLARS	2029 8 Mhrs	2029 8 DOLLARS	2030 9 Mhrs	2030 9 DOLLARS	TOTAL Mhrs	TOTAL DOLLARS
CSTXX-CONSTRUCTION	R																							
Electrical Construction	LT																							
General Construction	LT																							
SCADA / Automation	LT																							
Telecom - Field	LT																							
Construction Reps (internal)	LT					$21,200																		$21,200
Support Switch/Tag	LT																							
Other (specify)	LT																							
Other (specify)	LT																							
Other (specify)	LT																							
LT Total						$21,200																		$21,200
Employee Expenses	AE 6%					$1,060																		$1,060
Construction Purchased Material	AM 1%					$1,219																		$1,219
Outside Construction Vendor	AQ					$121,883																		$121,883
Sales tax on Constr. Vendor																								
Vehicles (now in Indirects section)	AV																							
Inspection services (Outside Vendor)	AQ																							
Construction fees (Outside vendor)	AQ																							
Rents and Leases	BR																							
CSTXX Subtotal						$145,362																		$145,362
Escalation																								
CSTXX Total						$145,362																		$145,362
ENRXX-TG ENGINEERING/DESIGN																								
Project Services/Drafting	LT					$26,500																		$26,500
T- Line Engineering/Design	LT																							
D- Street Engineering/Design	LT																							
Civil Engineering/Design	LT					$21,200																		$21,200
Substation (T) Engineering/Design	LT		$145																					$145
Substation (D) Engineering/Design	LT					$35,775																		$35,775
Protection & Controls Engineering	LT					$15,900																		$15,900
Survey Engineering	LT																							
SCADA / Automation Engineering	LT																							
Telecom Engineering	LT					$1,590																		$1,590
Other - specify	LT																							
Other - specify	LT																							
LT Total			$145			$100,965																		$101,111
Employee Expenses	AE 6%					$6,048																		$6,048
Contractor Engineering - T-Lines	AQ																							
Contractor Engineering - D-Street	AQ																							
Contractor Engineering - T -Station	AQ																							
Contractor Engineering - D-Station	AQ																							
Contractor Engineering - PSC	AQ																							
Contractor Engineering - Survey	AQ																							
Contractor Engineering - SCADA / Automation	AQ																							
Contractor Engineering - Telecom	AQ																							
Contractor Engineering - Specify	AQ																							
Contractor Engineering - Specify	AQ																							
Contractor Engineering - Specify	AQ																							
Vehicles (now in Indirects section)	AV																							
ENRXX Subtotal			$145			$108,013																		$108,159
Escalation																								
ENRXX Total			$145			$108,013																		$108,159
LNDXX-TG LAND																								
Real Estate	LT		$5,000			$2,000																		$7,000
Employee Expenses	AE 6%																							
Purchase Land	AM																							
Vehicles (now in Indirects section)	AV																							
Fees and Payments	BF																							
LNDXX Subtotal			$5,000			$2,000																		$7,000
Escalation																								
LNDXX Total			$5,000			$2,000																		$7,000
MATXX-TG MATERIAL																								
Bare source	AM		$24,000			$1,709,390																		$1,733,390
Outside Services	AM																							
	AM																							
Freight																								
Sales Tax (bare source/outside services	3.0% 3.0%																							
Other																								
MATXX Subtotal			$24,000			$1,709,390																		$1,733,390
Escalation																								
MATXX Total			$24,000			$1,709,390																		$1,733,390
PSMXX-PROJECT MANAGER & SUPPORT																								
Project Management (PM)	LT		$20,000			$19,675																		$39,675
Project Planning/Cost (CP)	LT																							
Contracts/Purchasing (C/P)	LT																							
System Planning	LT																							
Environmental	LT		$5,000			$2,000																		$7,000
SCE - Notification	LT																							
Legal	LT																							
Estimating	LT																							
Siting - Local Zoning	LT		$5,000			$2,000																		$7,000
Asset Management	LT																							
Other -	LT																							
Other -	LT																							
Other -	LT																							
Other -	LT																							
LT Total			$30,000			$23,675																		$53,675
Employee Expenses	AE 6%					$1,194																		$1,194
Project Support Vendor - Pld	AQ																							
Project Support Vendor - IP	AQ																							
Project Support Vendor - C/P	AQ																							
Project Support Vendor - System Planning	AQ																							
Project Support Vendor - Environmental	AQ																							
Project Support Vendor - SCE - Notification	AQ		$10,000			$5,000																		$15,000
Project Support Vendor - Legal	AQ																							
Project Support Vendor - Estimating	AQ					$2,000																		$2,000
Project Support Vendor - Siting - Local Zoning	AQ																							
Project Support Vendor - Asset Management	AQ																							
Project Support Vendor - Other	AQ																							
Project Support Vendor - Other	AQ																							
Project Support Vendor - Other	AQ																							
Project Support Vendor - Other	AQ																							
Vehicles (now in Indirects section	AV																							
Property or CWIP tax lapse cost allowance	BR																							
	BR																							
Fees and Payments - Environmental	BF																							
Fees and Payments - Siting	BF																							
Fees and Payments - Other	BF																							
PSMXX Subtotal			$40,000			$32,069																		$72,069
Escalation																								
PSMXX Total			$40,000			$32,069																		$72,069
REMXX-TG REMOVAL																								
Engineering/Design	LT																							
Internal Construction	LT																							
LT Total																								
Employee Expenses	AE 10%																							
Outside Services	AQ																							
Contractor Labor	AQ																							
Vehicles (now in Indirects section)	AV																							
Rents and Leases	BR																							
REMXX Subtotal																								
Escalation																								
REMXX Total																								
TSTXX-TG TEST																								
Test / Field Engr. Labor (In House)	LT																							
Lead Commissioning Engr. (LCE) (Internal)	LT																							
Employee Expense	AE 10%																							
Test / Field Engr. Labor (contractor)	AQ																							
Lead Commissioning Engr. (LCE) (contactor)	AQ																							
Vehicles (now in Indirects section)	AV																							
TSTXX Subtotal																								
Escalation																								
TSTXX Total																								
SUBTOTAL PROJECT DIRECT COST		-	$68,149			$1,984,854																	0	$2,053,003
Risk																								
Risk																								
				$ -		$ -	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -			
				$ -		$ -	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -			
Risk Total																								
TOTAL PROJECT DIRECT COST (w risk)		-	$68,149			$1,984,854																		$2,053,003
INDIRECTS																								
Non-Productive Time Allocation (ZNP)	15.3%					$22,280																		$22,280
Payroll Benefits Allocation (ZPB) Incl NPT	44.0%					$10,732																		$10,732
Gen SVC CO Overhead (ZGS) Incl NPT	75.0%					$139,447																		$139,447
E&S Allocations (ZBB,ZBL,ZBN)	60.0%					$251,829																		$251,829
AS&E Allocations (ZAS)	1.4%					$29,862																		$29,862
Stores Expense Allocation (ZST)	8.0%					$136,751																		$136,751
Lobby Stock																								
MCEC (ZMI)	6.0%					$128,101																		$128,101
Vehicles (ZVE)	20.0%					$41,451																		$41,451
Indirects Subtotal						$730,353																		$730,353
TOTAL PROJECT COST - Direct & Indirect (excl AFUDC)			$168			$2,715,207																		$2,784,356
AFUDC																								
AFUDC (ZX)				4.01%		4.01% $21,649	4.01%		4.01%		4.01%		4.01%		4.01%		4.01%		4.01%		4.01%		0	$21,649
In Service Dollars					-	-	-		-		-		-		-		-		-		-			
Cumulative ISS																								
AFUDC Subtotal			$5			$21,649																		$21,649
TOTAL PROJECT COST - Baseline Budget			$171			$2,736,856																		$2,816,982
Contingency																								
Contingency																								
Other			$ -		$ -	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -			
Contingency SubTotal																								
TOTAL PROJECT COST - Approved Funding			$171			$2,736,856																		$2,816,982
Reimbursables / Customer Contribution																								
Reimbursables / Customer Contribution (enter as negative)			$ -		$ -	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -			

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Project Lead	Project ID	T-Milestones	Activity Flag	Activity ID	Activity Status	Activity Scheduler	Activity Name	Total Float	Start	Finish	Remaining Duration	Resources	Predecessors	Successors
80121158 [redacted] 3X Transformer; Circ Switcher Replacement (CS00516)														
80121158.01 INITIALIZATION AND SCOPE DEVELOPEMENT														
[redacted]	80121158			START	Completed	PPS	SCHEDULE START MILESTONE		03-Aug-21 A		0			A3550, PI1200
80121158.01.01 Initial Funding														
[redacted]	80121158			PI1200	Completed	[redacted]	Project Initiator Develop Intitial Funding Request		10-Aug-21 A	23-Aug-21 A	0	[redacted]	START	PI1000
	80121158			PI1000	Completed		Submit Initial Funding Request			24-Aug-21 A	0		PI1200	PI1300
	80121158			PI1400	Completed		Assign Project Manager Request Resources for Project Team		18-Aug-21 A	31-Aug-21 A	0		PI1610	CE1400, CE1000, CE1100, PI1500, PI1600, CE1600
	80121158		EPAC-I	PI1300	Completed		Initial Funding Request Approved @ EPAC		30-Aug-21 A	13-Sep-21 A	0		PI1000	TRANS-1170, PI1610
	80121158			PI1500	Completed		Assign Scheduler		20-Sep-21 A	24-Sep-21 A	0		PI1400	CE1710, CE1600
	80121158			PI1600	Completed		Assign Cost Analyst		20-Sep-21 A	27-Sep-21 A	0		PI1400	CE1600, CE1710
	80121158		PPA-IF	PI1610	Completed		Initial Funding PowerPlan Approval Create WO#		20-Sep-21 A	01-Oct-21 A	0		PI1300	PI1400
80121158.01.02 SDC Approval														
[redacted]	80121158		ES-CONCPT	CE1100	Completed	[redacted]	ES Develop Electrical Substation Conceptual Engineering Design in Accordance with Deliverables Checklist		20-Sep-21 A	24-Sep-21 A	0	[redacted]	PI1400	CE1710, CE1700, CIRCSW-3380, CIRCSW-560, DSSE-260, REACT-520
	80121158		ES-CONCPT	CE1000	Completed		ES Engineering Develop Civil Substation Conceptual Engineering Design in Accordance with Deliverables Checklist		20-Sep-21 A	24-Sep-21 A	0		PI1400	CE1710, CE1700, CIRCSW-560, DSSE-260, A3390
	80121158		ES-CONCPT	CE1400	Completed		ES Engineering Develop P&C Conceptual Engineering Design in Accordance with Deliverables Checklist		20-Sep-21 A	24-Sep-21 A	0		PI1400	CE1710, CE1700, CIRCSW-560, DSSE-260
	80121158			CE1600	Completed		Conduct Project Team Kickoff Meeting Verify SDC Need		30-Sep-21 A	30-Sep-21 A	0		PI1600, PI1400, PI1500	CE1710
	80121158			CE1710	Completed		Conduct Conceptual Constructability Walk Down		04-Oct-21 A	04-Oct-21 A	0		CE1400, CE1100, CE1000, PI1500, PI1600, CE1600	CGE1000, CE1700
	80121158			CE1700	Completed		Review Conceptual Siting, Real Estate,SCS, & Permitting (If Required)		25-Oct-21 A	25-Oct-21 A	0		CE1400, CE1100, CE1000, CE1710	CGE1000
	80121158			CGE1000	Completed		Develop Conceptual Grade Estimate (-25%+50%)		25-Oct-21 A	18-Nov-21 A	0		CE1710, CE1700	SSF1000
	80121158			SSF1000	Completed		Develop Soultions Selection Form (SSF)		08-Oct-21 A	29-Nov-21 A	0		CGE1000	SDC1000
	80121158		SDC	SDC1000	Completed		Solution Design Committee(SDC) Approval		03-Jan-22 A	26-Jan-22 A	0		SSF1000	PE1600
80121158.01.09 Project Initiation														
80121158.01.09.3 EPAC Full Funding														
[redacted]	80121158			PF1020	Completed	[redacted]	File Material Exemption Mod to order prior to Partial Funding		11-Oct-21 A	18-Oct-21 A	0	[redacted]		CIRCSW-540, DSSE-500, RELAYP-510
	80121158			DE1900	Completed		Conduct FINAL Detail Constructability Walk Down		23-Nov-21 A	23-Nov-21 A	0		DSSE-400, DSSE-260, DSSE-200	DE2000
	80121158			DE1800	Completed		Review Detail Siting & Permitting (If Required)		10-Dec-21 A	10-Dec-21 A	0		DSSE-200, PF1010	DE1700
	80121158			DE1700	Completed		Conduct Initial Risk Management & SCLL Review (Project Initiator & PM)		14-Dec-21 A	17-Dec-21 A	0		DE1800	DE2000
	80121158		Construct	DE2000	Completed		Project Constructability Review Complete		20-Dec-21 A	23-Dec-21 A	0		DE1700, DE1900	DE1600
	80121158		EST-FULL	DE1600	Completed		Create Planning Grade Estimate (+/-25% Full Funding)		27-Jan-22 A	04-Feb-22 A	0		DE2000	PAFF2000
	80121158			PAFF2000	In Progress		Submit Full Funding PAF for Internal Review	311	14-Mar-22 A	18-Mar-22	5		DE1600	PAFF2100
	80121158		PAF Submit	PAFF2100	Not Started		Incorporate Internal Review Comments & Submit Full Funding PAF to EPAC for Review	311	21-Mar-22	29-Mar-22	7		PAFF2000	PAFF2200
	80121158			PAFF2200	Not Started		Incorporate EPAC Full Funding PAF Review Comments	311	30-Mar-22	05-Apr-22	5		PAFF2100	FF1000
	80121158		EPAC-F	FF1000	Not Started		EPAC Full Funding Approval	311	06-Apr-22	06-Apr-22	1		PAFF2200	FF1010, A3430, A3510

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Vargas	80121158		PPA-FF	FF1010	Not Started	[redacted]	Full Funding PowerPlan Approval	311	07-Apr-22	20-Apr-22	10	Eversource Project Approval Committee	FF1000	
80121158.01.12 T-Minus Milestones														
80121158.01.12.1 T-Minus Milestones "A" Group														
[redacted]	80121158	T-30.01	ENG-SCOPE	AT3001	Completed	[redacted]	A-T-30.01 - Eng. Project Scoping Document Issued (Scope Lockdown)			20-Oct-21 A	0		PE1720	AT00
	80121158	T-18.11	ENG-DTL	AT1811	Completed		Electrical Detail Design/Engineering Completed			08-Dec-21 A	0		DSSE-205	AT00
	80121158	T-08.13		AT0813	Completed		A-T-08.13 SITING PETITION AND APPLICATION FILED			24-Jan-22 A	0		A1240	AT00
	80121158	T-13.01		AT1301	Completed		A-T-13.01 COMMISSIONING PLAN COMPLETE			31-Jan-22 A	0		LCE500	AT00
	80121158	T-24.04		AT2404	Completed		DETERMINE / ASSIGN LCE (LEAD COMMISSIONING ENGINEER)			07-Feb-22 A	0		LCE200	AT00
	80121158	T-08.05.P&C	P&C-IFC	AT0805P	Not Started		P&C IFC - P&C w/BOM	171		14-Mar-22	0		DSSE-220	BT00, CT00
	80121158	T-08.05.Elect	AG-IFC	AT0805E	Not Started		Elect IFC - Electrical (AG) w/Final BOM	166		18-Mar-22	0		DSSE-240	BT00, CT00
	80121158	T-08.05.Civil	BG-IFC	AT0805C	Not Started		IFC - Civil (BG) w/BOM	23		18-Mar-22	0		DSSE-120	AT00
	80121158	T-04.09		AT0409	Not Started		A-T-04.09 ALL FIRM TOA APPLICATIONS DUE TO LCC (for DISTRIBUTION Non-transformer equipment)	-58		25-Mar-22*	0		A1250	AT00
	80121158	T-13.01		AT13xx	Not Started		A-T-13.xx ALL FIRM TOA APPLICATIONS DUE TO LCC (for DISTRIBUTION Transformer INSTALLATION)	16		25-Mar-22	0		A1280	AT00
	80121158	T-02.03		AT0203	Not Started		A-T-02.03 CAN COMPLETE (CONSTRUCTION AUTHORIZATION NOTICE)	9		01-Apr-22	0		A1170	AT00
	80121158	T-04.01		AT0401	Not Started		A-T-04.01 ALL CIVIL MATERIAL RECEIVED, STAGED, INVENTORIED, REVIEWED	3		08-Apr-22	0		TRANS-570, DSSE-560	AT00, BT00
	80121158	T-04.04		AT0404	Not Started		A-T-04.04 ALL FINAL RELAY PROTECTIVE SETTING ISSUED	2		08-Apr-22	0		DSSE-440	AT00
	80121158	T-00	SOC	AT00	Not Started		A-T-00 - Civil- START OF CONSTRUCTION - WO# 80121160	0	11-Apr-22*		0		AT13xx, AT0203, AT1202, AT0409, AT0401, AT1301, AT0813, AT0801, AT1201, AT2404, AT0805C, AT0404, AT1811, AT2605, AT3001, AT0301	TOA-Const, BT00, A1120, A1140, A1150, A1130, CSM, CT00
	80121158	T-12.01		AT1201	Not Started		SCADA Date (Tab) Sheets/Signal List Sent to LCC	-5		15-Apr-22	0		DSSE-990	AT00
	80121158	T-26.05	ENG-PRELIM	AT2605	Not Started		P&C Preliminary Design / Engineering Completed	-13		27-Apr-22	0		A3380	AT00
	80121158	T-18.05		AT1805	Not Started		A-T-18.05 - NX9 Preliminary Ratings to LCC for New Equipment (transformers are considered 'NEW EQUIPMENT')	-67		09-May-22*	0		NX9A-NC149, NX9A-NC89	BT00, CT00
	80121158	T-12.02		AT1202	Not Started		P/C DESCRIPTION / DRAFT OPERATING INSTRUCTIONS ISSUED	-33		13-May-22	0		DSSE-460, DSSE-930, DSSE-920, DSSE-470	AT00
	80121158	T-03.01		AT0301	Not Started		A-T-03.01 NX9 THERMAL RATINGS TO LCC AND CONVEX	-57		16-May-22*	0		NX9A-NC49, NX9A-NC47, NX9A-EM34, NX9A-NC19T	AT00
	80121158	T-18.05		AT1805T	Not Started		A-T-18.05T - NX9 Preliminary Ratings to LCC for Temp Transformer	-287		08-Feb-23*	0		NX9A-NC149T	BT00
80121158.01.12.2 T-Minus Milestones "B" Group for Transformer Test														
[redacted]	80121158	T-18.01		BT1801	Not Started	[redacted]	B-T-18.01 ALL FIRM TOA APPLICATIONS DUE TO LCC (for DISTRIBUTION Transformer TEST ENERGIZATION)	-58		25-Mar-22*	0		A1290	BT00, CT00
	80121158	T-04.01		BT0401	Not Started		B-T-04.01 ALL ELECTRICAL MATERIAL RECEIVED, STAGED, INVENTORIED, REVIEWED	128		25-Apr-22	0		TRANS-570, REACT-550, CIRCSW-580	BT00
	80121158	T-03.01		BT0301	Not Started		B-T-03.01 NX9 THERMAL RATINGS TO LCC AND CONVEX Temp Transformer	-43		03-May-22*	0		NX9A-EM34T	BT00, CT00

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Project Lead	Project ID	T-Milestones	Activity Flag	Activity ID	Activity Status	Activity Scheduler	Activity Name	Total Float	Start	Finish	Remaining Duration	Resources	Predecessors	Successors
[redacted]	80121158	T-00		BT00	Not Started	[redacted]	B-T-00 - Electrical START OF CONSTRUCTION - WO#80121160	0	01-Sep-22*		0		TOA-Const, AT00, BT1801, AT1805, AT0805P, AT0805E, BT0301, AT0401, BT0401, AT1805T	TOA-Test
80121158.01.12.03 Relay Panel T-Minus Milestones														
[redacted]	80121158	T-04.01		CT0401	Not Started	[redacted]	C-T-04.01 ALL RELAY PANEL MATERIAL RECEIVED, STAGED, INVENTORIED, REVIEWED	180		14-Mar-22	0		RELAYP-1010	CT00
	80121158	T-00		CT00	Not Started		C-T-00 - Electrical (Relay Panel) START OF CONSTRUCTION - WO#80121160	0	08-Oct-22*		0		AT00, BT1801, AT1805, AT0805P, AT0805E, BT0301, CT0401	
80121158.01.12.09 Removal T-Milestones														
[redacted]	80121158	T-08.05.Elect	AG-IFC	BT0805E	Completed	[redacted]	IFC - Electrical (AG) w/BOM			08-Dec-21 A	0		DSSE-REM	RT00
80121158.03 ENVIRONMENTAL APPROVALS AND PERMITS														
80121158.03.00 PREPARE COMPLIANCE MATRICES - REGULATORY & COMMITMENTS														
[redacted]	80121158			A1240	Completed	[redacted]	Determine Requirment for CSC (CT Siting Council submissions/approvals)		24-Jan-22 A	24-Jan-22 A	0	[redacted]	PE1600, DSSE-260, DSSE-120, DSSE-240	AT0813
	80121158			A1230	In Progress		Prepared Compliance Matrices - Regulatory	5	18-Jan-22 A	01-Apr-22	15		PE1600	A1170
	80121158			A1220	In Progress		Prepared Compliance Matrices - Non-Reqgulatory (Commitments)	5	18-Jan-22 A	01-Apr-22	15		PE1600	A1170
80121158.05 ENGINEERING & DESIGN														
80121158.05.1 Distribution Thermal Ratings NX-9 for Temp Transformer														
80121158.05.1.01 Thermal Ratings - Substation - Preliminary Thermal for Temp Transformer														
[redacted]	80121158			NX9A-NC27T	Not Started	[redacted]	PE Updates 1-Line Nomenclature Dwgs & Complete PE Checklist M7-EN-3006.2 - e-mail link to project team & CONVEX	-196	25-Jul-22*	29-Jul-22	5		A3380	NX9A-NC37T
	80121158			NX9A-NC37T	Not Started		LTRC Reviews and Makes "GO / NO-GO" Decision for 1-Line Nomenclature	-196	01-Aug-22	05-Aug-22	5		NX9A-NC27T	NX9A-NC38T
	80121158			NX9A-NC38T	Not Started		LTRC Submits 1-Line Nomenclature to TRC	-196	08-Aug-22	12-Aug-22	5		NX9A-NC37T	NX9A-NC26T
	80121158			NX9A-NC26T	Not Started		LTRC Reviews and Makes "GO / NO-GO" Decision for Thermal Ratings-GO!	-196	15-Dec-22	21-Dec-22	5		NX9A-NC38T	NX9A-NC30T
	80121158			NX9A-NC30T	Not Started		LTRC Requests P&C Checklist	-196	22-Dec-22	29-Dec-22	5		NX9A-NC26T	NX9A-NC28T
	80121158			NX9A-NC28T	Not Started		P&C Develops and Provides LTRC with P&C Checklist (M7-EN-3006.1)	-196	30-Dec-22	06-Jan-23	5		NX9A-NC30T	NX9A-NC34T
	80121158		NX9-NE	NX9A-NC34T	Not Started		LTRC Reviews and Sends Thermal Rating Data for TRC Review	-196	09-Jan-23	13-Jan-23	5		NX9A-NC28T	NX9A-NC33T
	80121158			NX9A-NC33T	Not Started		TRC Reviews and Approves Thermal Rating Data	-196	17-Jan-23	23-Jan-23	5		NX9A-NC34T	NX9A-NC32T
	80121158			NX9A-NC32T	Not Started		LTRC Sends Thermal Rating Data for Approval & Submit to NURS	-196	24-Jan-23	30-Jan-23	5		NX9A-NC33T	NX9A-NC31T
	80121158			NX9A-NC31T	Not Started		Scheduler @ NURS email "Submitted for PP Review" - Updates NURS with DOE	-196	31-Jan-23	31-Jan-23	1		NX9A-NC32T	NX9A-NC29T
	80121158			NX9A-NC29T	Not Started		TRC Review and Submit NX-9 Data to LCC + ISO-NE for S/S Thermal Rating	-196	01-Feb-23	07-Feb-23	5		NX9A-NC31T	NX9A-NC149T
	80121158			NX9A-NC149T	Not Started		Scheduler @ NURS email "Submitted for DOE Monitoring" - Updates T-18, EquipDOE, Revs DOE per M7-EN-3006	-196	08-Feb-23	08-Feb-23	1		NX9A-NC29T	AT1805T
80121158.05.1.02 Thermal Ratings - Substation - Verify Thermal Data for Temp Transformer														
[redacted]	80121158			NX9A-NC17T	Completed	[redacted]	LTRC Reviews and Makes "GO / NO-GO" Decision		18-Jan-22 A	21-Jan-22 A	0		NX9A-NC20T	NX9A-NC36T
	80121158			NX9A-NC36T	Not Started		LTRC Requests P&C Checklist	-31	21-Mar-22*	25-Mar-22	5		NX9A-NC17T	NX9A-NC18T

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Project Lead	Project ID	T-Milestones	Activity Flag	Activity ID	Activity Status	Activity Scheduler	Activity Name	Total Float	Start	Finish	Remaining Duration	Resources	Predecessors	Successors
[redacted]	80121158			NX9A-NC18T	Not Started	[redacted]	P&C Develops and Provides LTRC with P&C Checklist (M7-EN-3006.1)	-31	28-Mar-22	01-Apr-22	5	[redacted]	NX9A-NC36T	NX9A-NC24T
	80121158		NX9-NE	NX9A-NC24T	Not Started		LTRC Reviews and Sends Thermal Rating Data for TRC Review	-31	04-Apr-22	08-Apr-22	5		NX9A-NC18T	NX9A-EM22T
	80121158			NX9A-EM22T	Not Started		TRC Reviews and Approves Thermal Rating Data	-31	11-Apr-22	15-Apr-22	5		NX9A-NC24T	NX9A-NC22T
	80121158			NX9A-NC22T	Not Started		LTRC Sends Thermal Rating Data for Approval & Submit to NURS	-31	18-Apr-22	22-Apr-22	5		NX9A-EM22T	NX9A-NC21T
	80121158			NX9A-NC21T	Not Started		Scheduler @ NURS email "Submitted for PP Review" - Updates NURS with DOE	-31	25-Apr-22	25-Apr-22	1		NX9A-NC22T	NX9A-NC19T
	80121158			NX9A-NC19T	Not Started		TRC Review and Submit NX-9 Data to LCC + ISO-NE for S/S Thermal Rating	-31	26-Apr-22	02-May-22	5		NX9A-NC21T	AT0301, NX9A-EM34T
	80121158			NX9A-EM34T	Not Started		Scheduler @ NURS email "Submitted for DOE Monitoring" - Updates T-3, EquipDOE, Revs DOE per M7-EN-3006	-31	03-May-22	03-May-22	1		NX9A-NC19T	NX9510T, BT0301
	80121158			NX9A-NC20T	Not Started		PE to Verify Thermal Data Review PE Checklist (M7-EN-3006.2)	236	01-Aug-22*	05-Aug-22	5		DSSE-240, DSSE-220, DSSE-120	NX9A-NC17T
80121158.05.1.03 Thermal Ratings - Substation - NX-9 Pre NX9-DOE for Temp Transformer														
[redacted]	80121158			NX9510T	Not Started	[redacted]	Scheduler - Send Email for 48Hrs Notification before DOE.	19	04-May-22	04-May-22*	1		NX9A-EM34T	CFM
80121158.05.00 Engineering Services Staffing														
80121158.05.00.00 Engineering Services Staffing														
[redacted]	80121158			CIRCSW-338(	Completed	[redacted]	CRCSWTCH-SME Provides Circuit Switcher Go-bys to Engineering		01-Oct-21 A	01-Oct-21 A	0		CE1100	A3380, DSSE-200
80121158.05.01 Civil Engineering														
[redacted]	80121158			DSSE-100	Completed	[redacted]	Design Package to Civil		01-Oct-21 A	13-Oct-21 A	0		TRANS-1150	DSSE-110, PE1700
	80121158		ES-DTL	DSSE-110	Completed		Civil Package to Design		25-Oct-21 A	16-Dec-21 A	0		DSSE-100	DSSE-120, DSSE-500
	80121158		ES-IFC	DSSE-120	In Progress		Civil Package IFC	-41	27-Dec-21 A	18-Mar-22	5		DSSE-110	NX9A-NC31, A1280, A1290, A1170, AT0805C, A1250, NX9A-NC20T, A1240
80121158.05.02 Electrical Engineering														
[redacted]	80121158		ES-PRELIM	DSSE-200	Completed	[redacted]	Electrical Prelim Design Package Design to Drafting		22-Oct-21 A	12-Nov-21 A	0		CIRCSW-3380	DE1900, DE1800, DSSE-205, PE1700, DSSE-REM
	80121158		ES-DTL	DSSE-205	Completed		Detail Electrical Design Package Drafting		15-Nov-21 A	08-Dec-21 A	0		DSSE-200	AT1811, A1010, LCE100, DSSE-240, DSSE-230
	80121158		ES-DTL	DSSE-REM	Completed		Removal Electrical Design Package		15-Nov-21 A	08-Dec-21 A	0		DSSE-200	DSSE-240, BT0805E
	80121158			DSSE-230	Completed		Electrical Engineering - BOM Complete		06-Dec-21 A	10-Dec-21 A	0		DSSE-205	DSSE-240
	80121158		ES-IFC	DSSE-240	In Progress		Electrical Engineering - Electrical Package IFC (Physical & Electrical)	-41	27-Dec-21 A	18-Mar-22	5		DSSE-230, CIRCSW-1125, DSSE-205, DSSE-REM	NX9A-NC31, A1290, AT0805E, A1170, DSSE-480, DSSE-990, A1250, A1280, NX9A-NC20T, A1240
	80121158			DSSE-920	Not Started		Operating Instructions - SSED Review Draft Convex OI	-25	09-May-22	13-May-22	5		DSSE-450, DSSE-440	AT1202
	80121158			DSSE-460	Not Started		Operating Instructions - SSED Review Draft Distribution OI	-25	09-May-22	13-May-22	5		DSSE-450, DSSE-440	AT1202
80121158.05.02.1 Transformer- Vendor Drawings with Schematics														
[redacted]	80121158			TRANS-1150	Completed	[redacted]	TRANS-ES Reviews & Comments Transformer Drawings & Schematics		04-Oct-21 A	12-Oct-21 A	0		TRANS-1140	DSSE-400, DSSE-100
	80121158			TRANS-1160	Not Started		TRANS-Vendor Submits As-Built Material Transformer Drawings & Schematics	-29	25-Mar-22	07-Apr-22	10		TRANS-1070	TRANS-570
80121158.05.03 Distribution Thermal Ratings NX-9 (Transformer Replacement Is Considered New Equipment)														
80121158.05.03.01 Thermal Ratings - Substation - Preliminary Thermal														
[redacted]	80121158			NX9A-NC159	Completed	[redacted]	LTRC Reviews and Makes "GO / NO-GO" Decision for 1-Line Nomenclature		13-Dec-21 A	17-Dec-21 A	0		NX9A-NC69	NX9A-NC169

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[redacted]	80121158			NX9A-NC59	Completed	[redacted]	LTRC Reviews and Makes "GO / NO-GO" Decision for Thermal Ratings		10-Jan-22 A	14-Jan-22 A	0	[redacted]	NX9A-NC169	NX9A-NC99
	80121158			NX9A-NC99	Completed		LTRC Requests P&C Checklist		18-Jan-22 A	24-Jan-22 A	0		NX9A-NC59	NX9A-NC79
	80121158			NX9A-NC169	Not Started		LTRC Submits 1-Line Nomenclature to TRC	324	28-Mar-22*	01-Apr-22	5		NX9A-NC159	NX9A-NC59
	80121158			NX9A-NC79	Not Started		P&C Develops and Provides LTRC with P&C Checklist (M7-EN-3006.1)	-47	01-Apr-22*	07-Apr-22	5		NX9A-NC99	NX9A-NC139
	80121158		NX9-NE	NX9A-NC139	Not Started		LTRC Reviews and Sends Thermal Rating Data for TRC Review	-47	08-Apr-22	14-Apr-22	5		NX9A-NC79	NX9A-NC129
	80121158			NX9A-NC129	Not Started		TRC Reviews and Approves Thermal Rating Data	-47	15-Apr-22	21-Apr-22	5		NX9A-NC139	NX9A-NC119
	80121158			NX9A-NC119	Not Started		LTRC Sends Thermal Rating Data for Approval & Submit to NURS	-47	22-Apr-22	28-Apr-22	5		NX9A-NC129	NX9A-NC109
	80121158			NX9A-NC109	Not Started		Scheduler @ NURS email "Submitted for PP Review" - Updates NURS with DOE	-47	29-Apr-22	29-Apr-22	1		NX9A-NC119	NX9A-NC89
	80121158			NX9A-NC89	Not Started		TRC Review and Submit NX-9 Data to LCC + ISO-NE for S/S Thermal Rating	-47	02-May-22	06-May-22	5		NX9A-NC109	AT1805, NX9A-NC149
	80121158			NX9A-NC149	Not Started		Scheduler @ NURS email "Submitted for DOE Monitoring" - Updates T-18, EquipDOE, Revs DOE per M7-EN-3006	-47	09-May-22	09-May-22	1		NX9A-NC89	AT1805
	80121158			NX9A-NC69	Not Started		PE Updates 1-Line Nomenclature Dwgs & Complete PE Checklist M7-EN-3006.2 - e-mail link to project team & CONVEX	241	25-Jul-22*	29-Jul-22	5		DSSE-410	NX9A-NC159
80121158.05.03.02 Thermal Ratings - Substation - Verify Thermal Data														
[redacted]	80121158			NX9A-NC33	Completed	[redacted]	LTRC Reviews and Makes "GO / NO-GO" Decision		18-Jan-22 A	21-Jan-22 A	0	[redacted]	NX9A-NC31	NX9A-NC35
	80121158			NX9A-NC35	Not Started		LTRC Requests P&C Checklist	-32	21-Mar-22*	25-Mar-22	5		NX9A-NC33	NX9A-NC37
	80121158			NX9A-NC37	Not Started		P&C Develops and Provides LTRC with P&C Checklist (M7-EN-3006.1)	-32	28-Mar-22	01-Apr-22	5		NX9A-NC35	NX9A-NC39
	80121158		NX9-NE	NX9A-NC39	Not Started		LTRC Reviews and Sends Thermal Rating Data for TRC Review	-32	04-Apr-22	08-Apr-22	5		NX9A-NC37	NX9A-NC41
	80121158			NX9A-NC41	Not Started		TRC Reviews and Approves Thermal Rating Data	-32	11-Apr-22	15-Apr-22	5		NX9A-NC39	NX9A-NC43
	80121158			NX9A-NC43	Not Started		LTRC Sends Thermal Rating Data for Approval & Submit to NURS	-32	18-Apr-22	22-Apr-22	5		NX9A-NC41	NX9A-NC45
	80121158			NX9A-NC45	Not Started		Scheduler @ NURS email "Submitted for PP Review" - Updates NURS with DOE	-32	25-Apr-22	25-Apr-22	1		NX9A-NC43	NX9A-NC47
	80121158			NX9A-NC47	Not Started		TRC Review and Submit NX-9 Data to LCC + ISO-NE for S/S Thermal Rating	-32	26-Apr-22	02-May-22	5		NX9A-NC45	AT0301, NX9A-NC49
	80121158			NX9A-NC49	Not Started		Scheduler @ NURS email "Submitted for DOE Monitoring" - Updates T-3, EquipDOE, Revs DOE per M7-EN-3006	-41	16-May-22	16-May-22	1		NX9A-NC47	AT0301, NX9500
	80121158			NX9A-NC31	Not Started		PE to Verify Thermal Data Review PE Checklist (M7-EN-3006.2)	236	01-Aug-22*	05-Aug-22	5		DSSE-240, DSSE-220, DSSE-120	NX9A-NC33
80121158.05.03.03 Thermal Ratings - Substation - NX-9 Pre NX9-DOE														
[redacted]	80121158			NX9500	Not Started	[redacted]	Scheduler - Send Email for 48Hrs Notification before DOE.	0	02-Dec-22	02-Dec-22	1		NX9A-NC49	CFM
80121158.05.03.04 Thermal Ratings - Substation - NX-9 Post NX9-DOE/ISD														
[redacted]	80121158			NX9FINAL50	Not Started	[redacted]	Review + Affirm Accuracy of NX-9 for ISO Submission (Tie after Equip DOE or CFM/ISD)	145	07-Dec-22	09-Dec-22	3		CFM	NX9FINAL60
	80121158			NX9FINAL60	Not Started		[If Required] Receive + Issue Final Affirmed NX-9 Data to NURS	145	12-Dec-22	16-Dec-22	5		NX9FINAL50	FINISH
80121158.05.03.05 Thermal Ratings - Non NX-9 Thermal Ratings														
[redacted]	80121158			NX9A-EM44	Not Started	[redacted]	Thermal Rating- Non NX9 - P&C Develops and Provides LTRC with P&C Checklist & Thermal Ratings Data	133	28-Apr-22*	04-May-22	5		A3380	NX9A-EM54
	80121158			NX9A-EM54	Not Started		Thermal Rating- Non NX9 -LTRC Prepares and Sends Thermal Rating Data for TRC Review	133	05-May-22	11-May-22	5		NX9A-EM44	NX9A-EM64

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[redacted]	80121158			NX9A-EM64	Not Started	[redacted]	Thermal Rating- Non NX9 -TRC Reviews and Approves Thermal Rating Data	133	12-May-22	18-May-22	5	[redacted]	NX9A-EM54	NX9A-EM74
	80121158			NX9A-EM74	Not Started		Thermal Rating- Non NX9 -LTRC Files Capability Sheets	133	19-May-22	25-May-22	5		NX9A-EM64	CFM, FINISH
80121158.05.03.1 Substation NX-9 - Equipment Modification														
80121158.05.03.1.01 Substation NX-9														
[redacted]	80121158			NX9A-EM04	Completed		LTRC Reviews and Makes "GO / NO-GO" Decision for 1-Line Nomenclature		13-Dec-21 A	15-Dec-21 A	0		NX9A-EM01	NX9A-EM07
	80121158			NX9A-EM10	Completed		LTRC Reviews and Makes "GO / NO-GO" Decision for Thermal Ratings		20-Dec-21 A	23-Dec-21 A	0		NX9A-EM07	NX9A-EM13
	80121158			NX9A-EM13	Completed		LTRC Requests P&C Checklist		18-Jan-22 A	24-Jan-22 A	0		NX9A-EM10	NX9A-EM16
	80121158			NX9A-EM07	Completed		LTRC Submits1-Line Nomenclature to TRC		18-Jan-22 A	24-Jan-22 A	0		NX9A-EM04	NX9A-EM10
	80121158			NX9A-EM16	Not Started		P&C Develops and Provides LTRC with P&C Checklist (M7-EN-3006.1)	-41	01-Apr-22*	07-Apr-22	5		NX9A-EM13	NX9A-EM19
	80121158		NX-9	NX9A-EM19	Not Started		LTRC Reviews and Sends Thermal Rating Data for TRC Review	-41	08-Apr-22	14-Apr-22	5		NX9A-EM16	NX9A-EM22
	80121158			NX9A-EM22	Not Started		TRC Reviews and Approves Thermal Rating Data	-41	15-Apr-22	21-Apr-22	5		NX9A-EM19	NX9A-EM25
	80121158		** KPI **	NX9A-EM25	Not Started		LTRC Sends Thermal Rating Data for Approval & Submit to NURS	-41	22-Apr-22	28-Apr-22	5		NX9A-EM22	NX9A-EM26
	80121158		** KPI **	NX9A-EM01	Not Started		PE Updates 1-Line Nomenclature Dwgs & Complete PE Checklist M7-EN-3006.2 - e-mail link to project team & CONVEX	304	27-Apr-22*	29-Apr-22	3		DSSE-260	NX9A-EM04
	80121158			NX9A-EM26	Not Started		TRC Confirms Engineering Management Approvals of NX-9	-41	29-Apr-22	05-May-22	5		NX9A-EM25	NX9A-EM28
	80121158			NX9A-EM28	Not Started		Scheduler @ NURS email "Submitted for PP Review" - Updates NURS with DOE	-41	06-May-22	06-May-22	1		NX9A-EM26	NX9A-EM31
	80121158		NX-9	NX9A-EM31	Not Started		TRC Review and Submit NX-9 Data to LCC + ISO-NE for S/S Thermal Rating	-41	09-May-22	13-May-22	5		NX9A-EM28	NX9A-EM34
	80121158			NX9A-EM34	Not Started		Scheduler @ NURS email "Submitted for DOE Monitoring" - Updates T-3, EquipDOE, Revs DOE per M7-EN-3006	-41	16-May-22	16-May-22	1		NX9A-EM31	NX9A100, AT0301
80121158.05.03.1.02 Substation - NX-9 Pre NX9-DOE														
[redacted]	80121158			NX9A100	Not Started		Scheduler - Send Email for 48Hrs Notification before DOE. (Tie SS to Beginning of NX9 Outage)	30	18-Jul-22	18-Jul-22	1		NX9A-EM34, A1130	TIE_2
	80121158			TIE_2	Not Started		Tie (FF) to Appropriate activity that puts the equipment in service & Add NX9-DOE code to it). (Dissolve this activity)	30		20-Jul-22	0		NX9A100	NX9FINAL10, TOA-Const
80121158.05.03.1.03 Substation - NX-9 Post NX9-DOE/ISD														
[redacted]	80121158			NX9FINAL10	Not Started		Review + Affirm Accuracy of NX-9 for ISO Submission (Tie after Equip DOE or ISD)	145	07-Dec-22	09-Dec-22	3		TIE_2, CFM	NX9FINAL20, NX9A200
	80121158			NX9A200	Not Started		Scheduler - Has 72 Hrs to Put in Service the NX-9 and Send to TOP Director in NURS after DOE/PM Note of Completion	145	09-Dec-22	09-Dec-22	1		NX9FINAL10	NX9FINAL20
	80121158			NX9FINAL20	Not Started		[If Required] Receive + Issue Final Affirmed NX-9 Data to NURS	145	12-Dec-22	16-Dec-22	5		NX9FINAL10, NX9A200	FINISH
80121158.05.04 P&C Engineering														
[redacted]	80121158		ES-PRELIM	DSSE-400	Completed		Prepare & Issue P&C Preliminary Design Package to Draf		22-Oct-21 A	09-Dec-21 A	0		TRANS-1150	DE1900, DSSE-410
	80121158			DSSE-220	Completed		SDS Complete		07-Feb-22 A	11-Feb-22 A	0		A3380	NX9A-NC31, AT0805P, DSSE-990, NX9A-NC20T, LCE400
	80121158			DSSE-410	In Progress		Drafting Prepare & Issue Preliminary Back to P&C	-122	13-Dec-21 A	14-Mar-22	0	r	DSSE-400	A3380, RELAYP-510, NX9A-NC69
	80121158		CASCADE	DSSE-480	Not Started		P&C INITIATE CASCADE FORMS (appendix A) for Construction	161	21-Mar-22	15-Apr-22	20		DSSE-240	CFM
	80121158		SCADA	DSSE-990	Not Started		P&C INITIATE SCADA Data Sheets	-5	21-Mar-22	15-Apr-22	20		DSSE-220, DSSE-240	AT1201

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[redacted]	80121158		ES-DTL	A3380	Not Started	[redacted]	Issue P&C Package Detail Design	-136	01-Apr-22*	27-Apr-22	19	[redacted]	DSSE-410, CIRCSW-3380	AT2605, NX9A-EM44, DSSE-220, NX9A-NC27T
	80121158			DSSE-450	Not Started		Operating Instructions - Prepare and Issue Draft Distribution OI to Engineering	-25	11-Apr-22	06-May-22	20		DSSE-440	DSSE-920, DSSE-460, DSSE-930, DSSE-470
	80121158			DSSE-470	Not Started		Operating Instructions - P&C Review Draft Distribution OI	-25	09-May-22	13-May-22	5		DSSE-440, DSSE-450	AT1202
	80121158			DSSE-930	Not Started		Operating Instructions - P&C Review Draft Convex OI	-25	09-May-22	13-May-22	5		DSSE-440, DSSE-450	AT1202
80121158.05.04.1 Relay Settings														
[redacted]	80121158		ES-RSET	DSSE-440	Not Started		Relay Settings - Prepare and Issue Relay Settings IFC	-25	14-Mar-22	08-Apr-22	20			DSSE-930, DSSE-470, DSSE-450, DSSE-920, DSSE-460, AT0404
80121158.06 MATERIAL PROCUREMENT														
80121158.06.1 MATERIAL FOR Relay Panels-BID														
[redacted]	80121158			RELAYP-510	Completed		MATERIAL - P&C - Relay Panels RFP Issued to vendors including Tech Specs		10-Dec-21 A	17-Dec-21 A	0		PF1020, DSSE-410	RELAYP-1030
	80121158			RELAYP-10	Completed		MATERIAL - P&C - Relay Panels Bids Received		20-Dec-21 A	03-Jan-22 A	0		RELAYP-510	RELAYP-1040
	80121158		DR-RM	RELAYP-10	Completed		MATERIAL - P&C - Relay Panels Prepare & Issue DR		04-Jan-22 A	10-Jan-22 A	0		RELAYP-1040	RELAYP-980, RELAYP-1050
	80121158			RELAYP-104(	Completed		MATERIAL - P&C - Relay Panels Bids Evaluated and Recommendation Complete		10-Jan-22 A	14-Jan-22 A	0		RELAYP-1030	RELAYP-1020
	80121158			RELAYP-980	Completed		MATERIAL - P&C - Relay Panels Procurement Issue PO		14-Jan-22 A	28-Jan-22 A	0		RELAYP-1020	RELAYP-1000
	80121158		M-DELIV	RELAYP-101(	Completed		MATERIAL - P&C - Relay Panels Confirm Material Delivery to Site		07-Mar-22 A	07-Mar-22 A	0		RELAYP-1000	CT0401
	80121158			RELAYP-100(	Completed		MATERIAL - P&C - Relay Panels Material Vendor Delivery Leadtime		31-Jan-22 A	07-Mar-22 A	0		RELAYP-980, RELAYP-1070	RELAYP-1010
80121158.06.2 MATERIAL FOR ELECTRICAL REACTOR														
[redacted]	80121158		DR-RM	REACT-520	Completed		MATERIAL - Reactor Electrical - Prepare & Issue DR (see Notebook)		21-Oct-21 A	27-Oct-21 A	0		CE1100	REACT-590, REACT-1020
	80121158		DR-AGMAT	REACT-590	Completed		Electrical (AG) Material Reactor Ordered			27-Oct-21 A	0		REACT-520	
	80121158			REACT-1020	Completed		MATERIAL - Electrical - PO Issued and Release for Mfg Drawings		28-Oct-21 A	05-Nov-21 A	0		REACT-520	REACT-1030, REACT-1040
	80121158		DR-RM	REACT-1040	Completed		MATERIAL - Reactor Electrical - Drawings Reviewed & Approved by ES Release for Manufacturing		08-Nov-21 A	16-Dec-21 A	0		REACT-1020	REACT-1030
	80121158		M-DELIV	REACT-550	Not Started		MATERIAL - Electrical - Reactor Confirm Material Delivery to Site	128	25-Apr-22	25-Apr-22	1		REACT-1030	BT0401
	80121158			REACT-1030	In Progress		MATERIAL - Electrical - Reactor Material Vendor Delivery Leadtime	128	03-Jan-22 A	25-Apr-22	43		REACT-1020, REACT-1040	REACT-550
80121158.06.3 MATERIAL FOR CIVIL MISC														
[redacted]	80121158		DR-RM	DSSE-500	Completed		MATERIAL - CIVIL - Prepare & Issue DR		16-Dec-21 A	05-Jan-22 A	0		PF1020, DSSE-110	DSSE-600, DSSE-1040
	80121158		DR-BGMAT	DSSE-600	Completed		Civil (BG) Material Ordered			05-Jan-22 A	0		DSSE-500	DSSE-1040
	80121158			DSSE-1040	Completed		MATERIAL - CIVIL - Procurement Issue PO		06-Jan-22 A	10-Jan-22 A	0		DSSE-500, DSSE-600	DSSE-1050
	80121158			DSSE-1050	Completed		MATERIAL - CIVIL - Material Vendor Delivery Leadtime		11-Jan-22 A	07-Mar-22 A	0		DSSE-1040	DSSE-560
	80121158		M-DELIV	DSSE-560	Completed		MATERIAL - CIVIL - Confirm Material Delivery to Site		08-Mar-22 A	08-Mar-22 A	0		DSSE-1050	AT0401
80121158.06.4 MATERIAL FOR TRANSFORMER														
[redacted]	80121158			TRANS-1190	Completed		TRANS-MATERIAL - Transformer - Prepare & Issue LOA to HICO		16-Apr-21 A	16-Apr-21 A	0			TRANS-1070
	80121158		DR-MM	TRANS-530	Completed		TRANS-MATERIAL - Transformer - Prepare & Issue DR-(Using Agawam Spare)		20-Sep-21 A	20-Sep-21 A	0			TRANS-1180, TRANS-1060
	80121158			TRANS-1060	Completed		TRANS-MATERIAL - Transformer - Procurement Issue PO #111074783 Agawam Spare		20-Sep-21 A	20-Sep-21 A	0		TRANS-530	TRANS-1070
	80121158		DR-AGMM	TRANS-1180	Completed		TRANS-Transformer Material Ordered			20-Sep-21 A	0		TRANS-530	

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[redacted]	80121158			TRANS-1070	In Progress	[redacted]	TRANS-MATERIAL - Transformer - Material Vendor Delivery Leadtime	-41	04-May-21 A	07-Apr-22	25	[redacted]	TRANS-1060, TRANS-1190	TRANS-570, TRANS-1160
	80121158		M-DELIV	TRANS-570	Not Started		TRANS-MATERIAL - Transformer - Confirm Material Delivery to Site	-40	08-Apr-22	08-Apr-22*	0		TRANS-1070, TRANS-1160	AT0401, BT0401
80121158.06.5 MATERIAL FOR CIRCUIT SWITCHER														
[redacted]	80121158			CIRCSW-560	Completed		CIRCSWTCH-MATERIAL - Circuit Switcher-ES Prepares and Issues RFP for Vendor Quote		06-Oct-21 A	11-Oct-21 A	0		CE1400, CE1100, CE1000	CIRCSW-550
	80121158			CIRCSW-550	Completed		CIRCSWTCH-MATERIAL - Circuit Switcher- Vendor Quote Rec'd and Reviewed		11-Oct-21 A	27-Oct-21 A	0	ne	CIRCSW-560	CIRCSW-540
	80121158		DR-RM	CIRCSW-540	Completed		CIRCSWTCH-MATERIAL - Circuit Switcher- Prepare & Issue DR		27-Oct-21 A	05-Nov-21 A	0		PF1020, CIRCSW-550	CIRCSW-1190, CIRCSW-1080
	80121158		DR-AGMM	CIRCSW-11	Completed		CIRCSWTCH-Circuit Switcher Material Ordered			05-Nov-21 A	0		CIRCSW-540	CIRCSW-1080
	80121158			CIRCSW-108(	Completed		CIRCSWTCH-MATERIAL - Circuit Switcher - Procurement Issue PO		06-Nov-21 A	09-Nov-21 A	0		CIRCSW-540, CIRCSW-1190	CIRCSW-1090, CIRCSW-1123
	80121158		M-DELIV	CIRCSW-580	Not Started		CIRCSWTCH-MATERIAL - Circuit Switcher -Confirm Material Delivery to Site	36	04-Apr-22	04-Apr-22*	1		CIRCSW-1090	BT0401
	80121158			CIRCSW-109(	In Progress		CIRCSWTCH-MATERIAL - Circuit Switcher - Material Vendor Delivery Leadtime	36	10-Nov-21 A	04-Apr-22	22		CIRCSW-1080	CIRCSW-580
80121158.07 CONSTRUCTION														
80121158.07.01 CONSTRUCTION SERVICES SELECTION-CIVIL														
[redacted]	80121158			A3550	Completed		STAFFING DECISION -CONSTRUCTION: EVERSOURCE OR OUTSOURCE BID/COC		08-Oct-21 A	22-Oct-21 A	0		START	A3390
80121158.07.01.01 CONSTRUCTION SERVICES - CONTRACTOR OF CHOICE														
[redacted]	80121158			A3390	Completed		CONST.SERVICES - COC - Eversource Provides Spec / RFQ to COC		21-Oct-21 A	02-Feb-22 A	0		A3550, CE1000	A3400
	80121158			A3400	Completed		CONST.SERVICES - COC - COC Evaluates Spec and Provides Quote		03-Feb-22 A	11-Feb-22 A	0		A3390	A3410
	80121158			A3410	In Progress		CONST.SERVICES - COC - Eversource Reviews Quote Clarifies with COC	103	14-Feb-22 A	25-Mar-22	10		A3400	A3420
	80121158			A3420	Not Started		CONST.SERVICES - COC - Eversource Routes DR for Approval	99	01-Apr-22*	07-Apr-22	5		A3410	A3790
	80121158			A3790	Not Started		CONST.SERVICES - COC - Eversource Awards Contract - PO Issued	99	08-Apr-22	14-Apr-22	5		A3420	A1120
80121158.07.03 Construction - Civil														
[redacted]	80121158			A1130	Not Started		Construction - Electrical - Relay	98	11-Apr-22	15-Apr-22	5		AT00	CFM, NX9A100
	80121158			A1120	Not Started		Construction - Disconnect 3X XFRMR	0	06-Sep-22*	09-Sep-22	4		AT00, A3790	A3620, CFM
80121158.07.04 Construction - Electrical														
[redacted]	80121158		OUT	TOA-Const	Not Started		OUTAGE / General Construction Work	36	12-Apr-22	20-Jul-22	86		AT00, CSM, TIE_2	BT00, A1070, A1080
80121158.07.05 Construction - P&C														
[redacted]	80121158			A1140	Not Started		Construction - P&C Implement Relay Settings	161	11-Apr-22	15-Apr-22	5		AT00	CFM
80121158.07.06 Construction - Communication														
[redacted]	80121158			A1150	Not Started		Construction - Field Communications	161	11-Apr-22	15-Apr-22	5		AT00	CFM
80121158.07.92 Construction - CONST.REP TASKS														
[redacted]	80121158			A1280	Not Started		Construction Rep SUBMIT OUTAGE REQUESTS for TRANSFORMER INSTALLATION (13 weeks before	10	21-Mar-22	25-Mar-22	5		DSSE-120, DSSE-240	AT13xx
	80121158			A1290	Not Started		Construction Rep SUBMIT OUTAGE REQUESTS for TRANSFORMER TEST ENERGIZATION (18 weeks before outage)	-41	21-Mar-22	25-Mar-22	5		DSSE-240, DSSE-120	BT1801
	80121158			A1250	Not Started		Construction Rep SUBMIT OUTAGE REQUESTS for NON-transformer equipment (4 weeks before outage)	-41	21-Mar-22	25-Mar-22	5		DSSE-240, DSSE-120	AT0409

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Project Lead	Project ID	T-Milestones	Activity Flag	Activity ID	Activity Status	Activity Scheduler	Activity Name	Total Float	Start	Finish	Remaining Duration	Resources	Predecessors	Successors
[redacted]	80121158			A1260	Not Started	[redacted]	Construction Rep Finalize CASCADE Forms (within 14 days folloiwng ISD)	113	07-Dec-22	20-Dec-22	10	[redacted]	CFM	A1030
80121158.07.94 CONSTRUCTION RESOURCE TRACKING														
[redacted]	80121158			A1070	Not Started		RESOURCE ONLY ACTIVITY - CONSTRUCTION - SWITCH OUT	164	12-Apr-22	12-Apr-22	1		TOA-Const	CFM
	80121158			A1080	Not Started		RESOURCE ONLY ACTIVITY - CONSTRUCTION - SWITCH IN	95	20-Jul-22	20-Jul-22	1		TOA-Const	CFM
	80121158			ConRep-S	Not Started		RESOURCE ONLY ACTIVITY - CONSTRUCTION - CONSTRUCTION REP	0	11-Apr-22	06-Dec-22	166		CSM	CFM
	80121158			CONSTelec	Not Started		RESOURCE ONLY ACTIVITY - CONSTRUCTION - ELECTRICIAN	0	11-Apr-22	06-Dec-22	166		CSM	CFM
80121158.07.96 CONSTRUCTION MILESTONES														
[redacted]	80121158		CRH	CSM	Not Started		Construction Start Milestone	36	11-Apr-22		0		AT00	ConRep-S, TOA-Const, CONSTelec
	80121158			CFM	Not Started		Construction Finish Milestone	0		06-Dec-22	0		NX9A-EM74, NX9500, A1140, CONSTelec, DSSE-480, A1080, A1150, A1130, ConRep-S, TOA-Test, A1070, A1120, LCE620, NX9510T	NX9FINAL50, A1020, A1030, A1040, A1110, DSSE-1100, A1270, ISD, A1260, NX9FINAL10, LCE800, LCE900
	80121158		ISD	ISD	Not Started		EQUIPMENT IN SERVICE DATE (requires FOOB constraint)	22		06-Dec-22*	0		LCE610, LCE700, CFM, RCFM	
80121158.07.97 TEST OUTAGES														
[redacted]	80121158			TOA-Test	Not Started		TRANS-OUTAGE / Test Transformer	0	01-Sep-22	06-Dec-22	65		BT00	CFM
80121158.09 TEST AND COMMISSION														
80121158.09.01 TEST - SERVICES STAFFING DECISION														
[redacted]	80121158			A1010	Completed		STAFFING DECISION: EVERSOURCE OR OUTSOURCE BID/COC		14-Jan-22 A	14-Jan-22 A	0		DSSE-205	A3470
80121158.09.02 LCE PLANNING														
[redacted]	80121158		V-COMPLN	LCE400	Not Started		Develop Test and Commissioning Plan	318	14-Mar-22	11-Apr-22	21		DSSE-220	LCE500
80121158.10 PROJECT CLOSE OUT														
[redacted]	80121158		ES-FLDASB	A3620	Not Started		Prepare & Submit Civil Field Mark Ups (Tie after Last Civil Construction Activity)	69	12-Sep-22	11-Oct-22	21		A1120	A3730
	80121158			DSSE-1100	Not Started		Complete TD-707 Turnover Document / Forward to SOC & Mailing List	117	07-Dec-22	13-Dec-22	5		CFM	A1040
	80121158		PM	A3660	Not Started		PM to Document Civil As-Built Drawings Complete	69	10-Jan-23	10-Jan-23	1		A3740	A3670
	80121158		ES-FLDASB	A3640	Not Started		Prepare & Submit Electrical Field Mark Ups	0	21-Dec-22	23-Jan-23	21		LCE900	A3750
	80121158		ES-FLDASB	A3650	Not Started		Prepare & Submit P&C Field Mark Ups	0	21-Dec-22	23-Jan-23	21		LCE900	A3770
	80121158		ES-FLSASB	A3670	Not Started		FE Files Civil Design Drawings at Station	69	11-Jan-23	23-Feb-23	30		A3660	A1040
	80121158		PM	A3680	Not Started		PM to Document Electrical As-Built Drawings Complete (Electrical, P&C)	0	19-Apr-23	19-Apr-23	1		A3780, A3760	A3710, A3690
	80121158		ES-FLSASB	A3690	Not Started		FE Files Substation Design Drawings at Station	0	20-Apr-23	01-Jun-23	30		A3680	A1040
	80121158		ES-FLSASB	A3710	Not Started		FE Files P&C Design Drawings at Station	0	20-Apr-23	01-Jun-23	30		A3680	A1040
80121158.10.01 Civil As-Builts														
[redacted]	80121158		ES-ASB	A3730	Not Started		Eversource Engineering Verifies Civil Mark Ups and Updates As-Built Drawing Package	69	12-Oct-22	30-Dec-22	55		A3620	A3740
	80121158		ES-ASB	A3740	Not Started		ES Create Civil Transmittal, Approve Final As-Built Package, and EDC Files and Issue Drawings to Field	69	03-Jan-23	09-Jan-23	5		A3730	A3660
80121158.10.02 Electrical As-Builts														
[redacted]	80121158		ES-ASB	A3750	Not Started		Eversource Engineering Verifies Electrical Mark Ups and Updates As-Built Drawing Package	0	24-Jan-23	11-Apr-23	55		A3640, LCE800	A3760

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[redacted]	80121158		ES-ASB	A3760	Not Started	[redacted]	Electrical Transmittal, Approve Final As-Built Package, and EDC Files and Issue Drawings to Field	0	12-Apr-23	18-Apr-23	5	[redacted]	A3750	A3680
80121158.10.03 P&C As-Builts														
[redacted]	80121158		ES-ASB	A3770	Not Started		Eversource Engineering Verifies P&C Mark Ups and Updates As-Built Drawing Package	0	24-Jan-23	11-Apr-23	55		A3650	A3780
	80121158		ES-ASB	A3780	Not Started		P&C Transmittal, Approve Final As-Built Package, and EDC Files and Issue Drawings to Field	0	12-Apr-23	18-Apr-23	5		A3770	A3680
80121158.10.04 Test Closout														
[redacted]	80121158			LCE800	Not Started		LCE Ensures Marked up Prints Ready for Pick-up	30	07-Dec-22	07-Dec-22	1		CFM	A3750
	80121158			LCE900	Not Started		LCE Review Test Data and Issue Commissioning Report	0	07-Dec-22	20-Dec-22	10		CFM	A3650, A3640
80121158.10.05 SITE RESTORATION CLOSEOUT														
[redacted]	80121158			A1110	Not Started		Restore / Remediate Site	143	07-Dec-22	20-Dec-22	10		CFM	FINISH
80121158.10.06 MATERIAL, EQUIPMENT, COST, AND ASSET MANAGE							**EOUT**							
[redacted]	80121158			A1020	Not Started		Cost Analyst Prepares FINAL Units of Property	123	07-Dec-22	20-Jan-23	30		CFM	FINISH
	80121158			A1030	Not Started		Asset Management Complete Asset Update(s) in CASCADE	113	21-Dec-22	03-Feb-23	30		A1260, CFM	FINISH
80121158.10.07 PROJECT MANAGEMENT CLOSEOUT														
[redacted]	80121158			A1270	Not Started		Prepare TD-707 Document	122	07-Dec-22	20-Jan-23	30		CFM	FINISH
	80121158			A1040	Not Started		PM Prepares Closeout Documentation, Lessons Learned Meeting, etc.	0	02-Jun-23	14-Jul-23	30		CFM, A3690, A3670, A3710, DSSE-1100	FINISH
	80121158			FINISH	Not Started		Project / Work Order Complete (FINAL SCHEDULE TASK/MILESTONE)	0		17-Jul-23	0		NX9A-EM74, NX9FINAL60, A1020, A1040, A1110, A1270, A1030, NX9FINAL20	
80121158.13 OVERHEAD / INDIRECTS														
80121158.13.01 PROJECT MANAGEMENT														
[redacted]	80121158			R1170	Not Started		Prepare Removal CAN (Construction Authorization Notice)	334	14-Mar-22	18-Mar-22	5			RT0203
	80121158			A1170	Not Started		Prepare CAN (Construction Authorization Notice)	5	21-Mar-22	01-Apr-22	10		A1220, DSSE-240, DSSE-120, A1230	AT0203

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