EVERSOURCE

Operations Project Authorization Form

Project Title: [redacted]	**Project Number: CD02793**
Date Prepared: 04/08/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** UG Network Automation
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op 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)
Required in service date: 12/31/26	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $636.2k	**Authorization Type: Full Funding**

1. Executive Summary

Full funding is being requested for this project at a cost of $636.2k, which is 115% of the partial funding estimate of $551.5k. The variance between the full funding and the partial funding estimate is primarily due to an increase in the indirect costs and a decrease in the direct costs. There is no change in scope.

Electric Field Operations and Distribution Engineering have compiled a prioritization list of PMH Switchgear on the Foxwoods Casino and Resort campus that are due for deteriorating asset health and condition. [redacted]10, features the #1 priority pair on that list.

- Division: Eastern
- District: New London AWC
- Town: Ledyard

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	37.6	0.0	0.0	37.6
Outside Services	16.9	0.0	0.0	16.9
Materials	293.2	0.0	0.0	293.2
Removals	13.1	0.0	0.0	13.1
Risk and Contingency	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**360.8**	**0.0**	**0.0**	**360.8**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	275.4	0.0	0.0	275.4
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	**275.4**	**0.0**	**0.0**	**275.4**
Total Gross Capital Costs	**636.2**	**0.0**	**0.0**	**636.2**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**636.2**	**0.0**	**0.0**	**636.2**

Explain unique payment provisions, if applicable:

3. Technical Justification

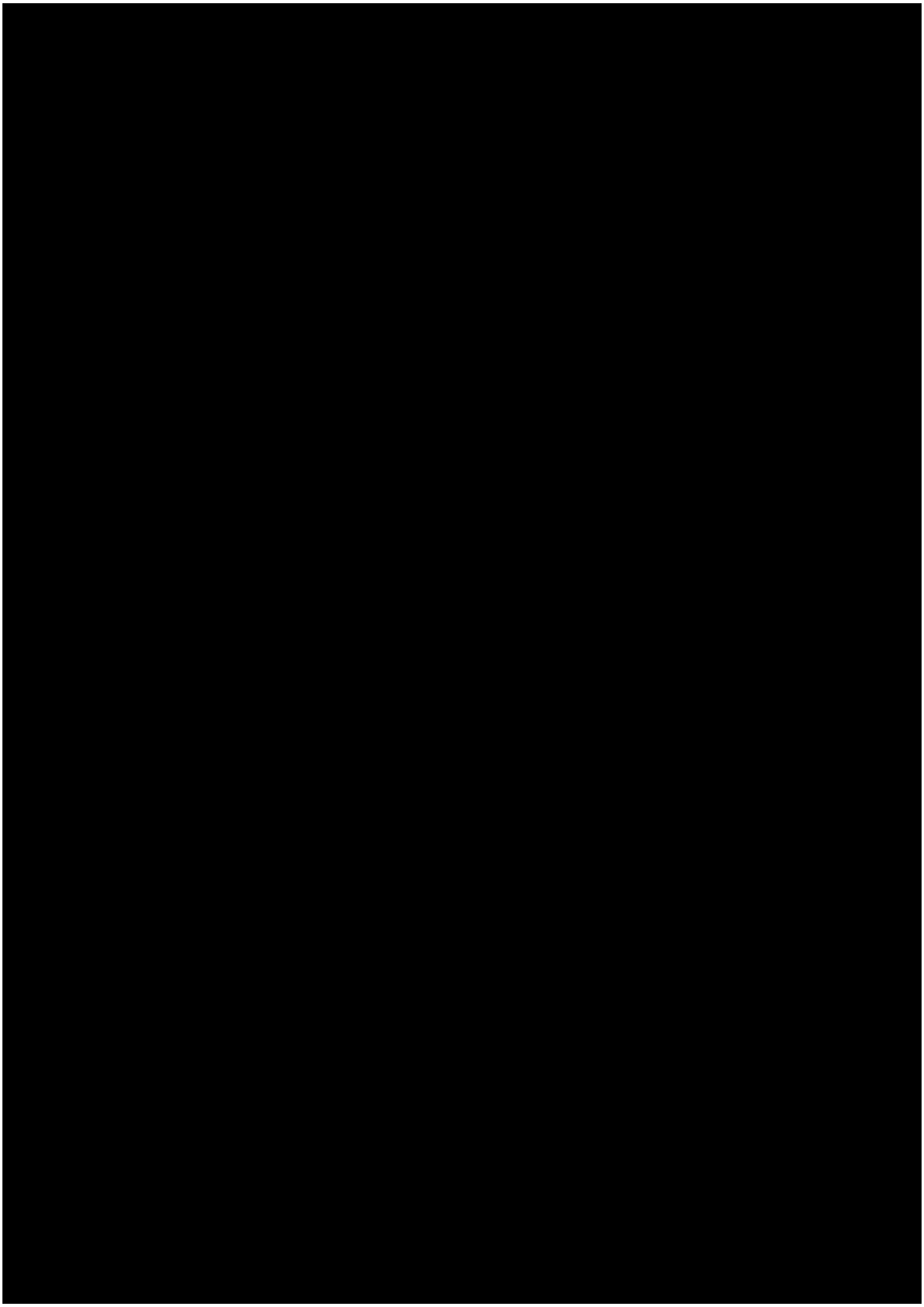
Background, Project Need/Justification, and Project Scope

a. Background

The Foxwoods Resort & Casino is owned and operated by the Mashantucket Pequot Tribal Nation and located in Ledyard, CT. Since it opened in the 90's, Foxwoods has been growing in electrical demand and has evolved into an on-campus intricate network of switchgear fed by a [redacted]

b. Project Need

The first pair of PMH switchgear to be replaced are the [redacted] and [redacted]. [redacted] was manufactured 4/13/1993 and [redacted] was manufactured 4/12/2003. Per Electric Field Operations, the observed conditions of this switchgear pair are that they have heavy moisture inside the switchgear; they are soaking wet; their terminations are discolored; their skirts have mold; and there is audible tracking on the source side of the switchgear. This pair will be replaced with an equivalent new PME Type 9 switchgear pair.



c. Project Scope

- Replace both switchgear with new PME Type 9 switchgear Pair.

4. Alternatives Considered

NWS Exclusion Criteria (select all that apply)

☐ Project cost < $250k	☐ New Service
☐ CDOT Relocation	☐ Generator interconnection project
☒ Maintenance, Asset condition or safety related*	

*Maintenance, Asset condition or safety related justification: Per Electric Field Operations, the observed conditions of this switchgear pair are that they have heavy moisture inside the switchgear; they are soaking wet; their terminations are discolored; their skirts have mold; and there is audible tracking on the high side of the switchgear.

Design Criteria	Option	
	1 – Replace Switchgear Pair	2 – Do Nothing
Required to meet project need		
Switchgear replaced	X	
Additional Benefits (not required to meet scope of project)		
SCADA Capability	X	
Authorization Type	Full	Partial
Capital Cost	$636.2k	N/A
Expense Cost	$27.9k	N/A
Total Cost	$664.1k	N/A
Preferred option	X	

Option Summary

Preferred: Replacing the existing switchgear pair with a new PME Type 9 Pair will increase the resiliency of Foxwoods's UG system. The current switchgear's conditions will only further escalate into a potential sudden failure should this switchgear not be replaced.

Other(s): Do Nothing – Let the switchgear remain as is. There are no reported failures on this switchgear pair. However, the observed poor conditions of the switchgear warrant an accelerated replacement.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	2/5/2026
100% Detailed Engineering Completion	4/7/2026
Fully Funded	4/16/2026
Construction Start	7/1/2026
In Service Date	12/31/2026

6. Regulatory Decisions

N/A

7. Codes and Standards

DSEM 07.883 – Conventional and Conduit Underground System Design Philosophy and Details
DSEM 11.641 – Switchgear Strategy
DSEM 11.641 – Switchgear Design and Application Guide

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2026	Medium	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.

Customer Permission / Siting Council / Municipal approvals	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2026	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Internal engineering resources not available to perform the work.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	Medium	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2026	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Needs Statement (In Attached Partial PAF)	*YES*
B. One-line (In Attached Partial PAF)	*YES*
C. Geographic Map (In Attached Partial PAF)	*YES*
D. Load Sheet (In Attached Partial PAF)	*YES*

EVERSOURCE

Operations Project Authorization Form

Attached Partial PAF:

Project Title: [redacted]	**Project Number: CD02793**
Date Prepared: 12/16/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** UG Network Automation
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op 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)
Required in service date: 12/31/26	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $551.5k	**Authorization Type: Partial Funding**

1. Executive Summary

Electric Field Operations and Distribution Engineering have compiled a prioritization list of PMH Switchgear on the Foxwoods Casino and Resort campus that are due for deteriorating asset health and condition. [redacted], features the #1 priority pair on that list.

- Division: Eastern
- District: New London AWC
- Town: Ledyard

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	30.1	0.0	0.0	30.1
Outside Services	61.7	0.0	0.0	61.7
Materials	286.4	0.0	0.0	286.4
Removals	32.9	0.0	0.0	32.9
Risk and Contingency	0.0	0.0	0.0	0.0
Other	1.4	0.0	0.0	1.4
Subtotal – Direct Costs	**412.5**	**0.0**	**0.0**	**412.5**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	132.5	0.0	0.0	132.5
Capitalized interest or AFUDC, if any	6.5	0.0	0.0	6.5
Subtotal – Indirect Costs	**139.0**	**0.0**	**0.0**	**139.0**
Total Gross Capital Costs	**551.5**	**0.0**	**0.0**	**551.5**
Customer Contribution				
Total Net Capital Project Costs	**551.5**	**0.0**	**0.0**	**551.5**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

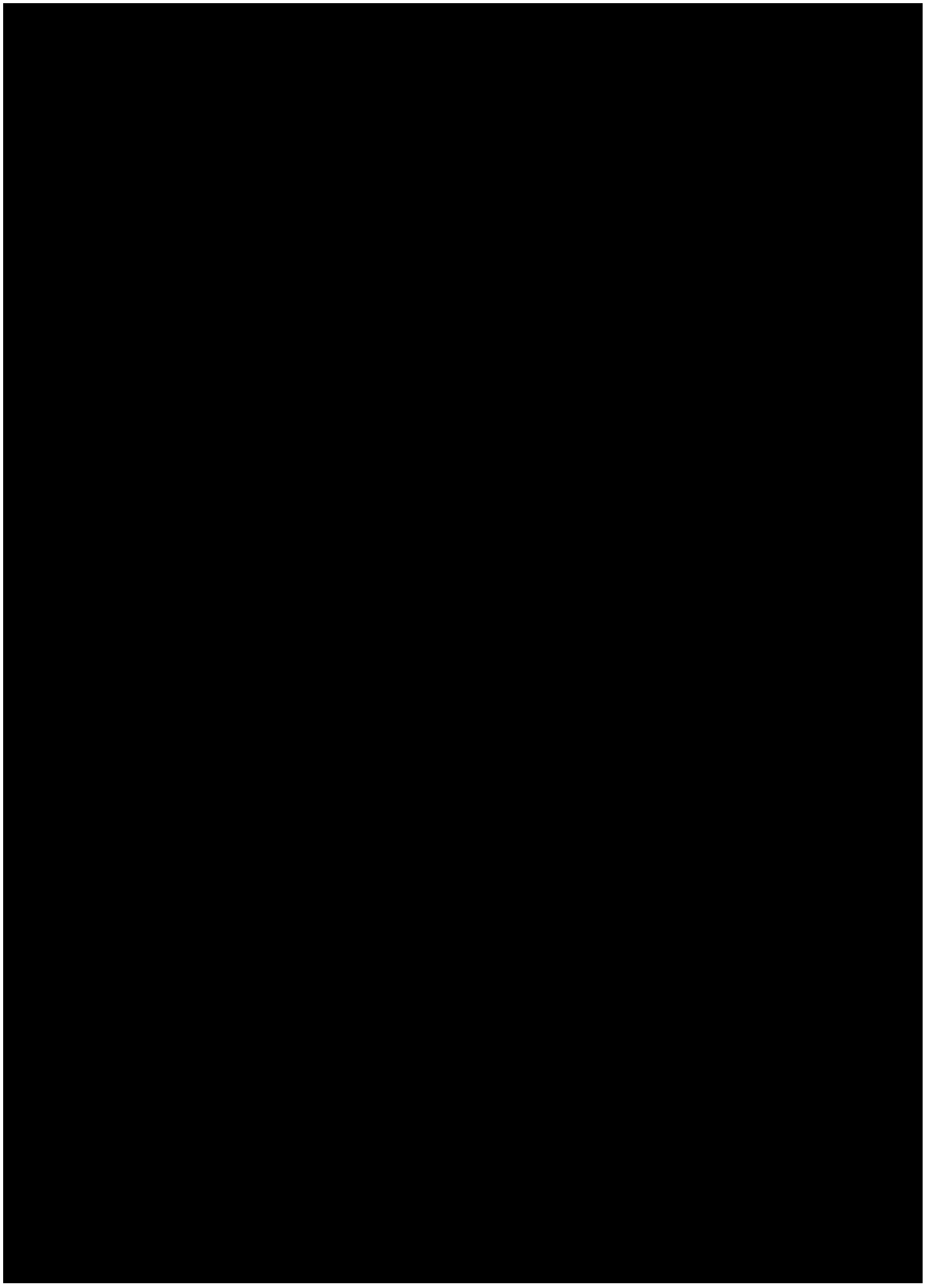
a. Background

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[redacted]

b. Project Need

The first pair of PMH switchgear to be replaced are the [redacted] was manufactured 4/13/1993 and [redacted] was manufactured 4/12/2003. Per Electric Field Operations, the observed conditions of this switchgear pair are that they have heavy moisture inside the switchgear; they are soaking wet; their terminations are discolored; their skirts have mold; and there is audible tracking on the source side of the switchgear. This pair will be replaced with an equivalent new PME Type 9 switchgear pair.



c. Project Scope

- Replace both switchgear with new PME Type 9 switchgear Pair.

4. Alternatives Considered

NWS Exclusion Criteria (select all that apply)

☐ Project cost < $250k	☐ New Service
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Design Criteria	Option	
	1 – Replace Switchgear Pair	2 – Do Nothing
Required to meet project need		
Switchgear replaced	X	
Additional Benefits (not required to meet scope of project)		
SCADA Capability	X	
Authorization Type	Partial	Partial
Capital Cost	$551.5k	N/A
Expense Cost	$24.2k	N/A
Total Cost	$575.7k	N/A
Preferred option	X	

Option Summary

Preferred: Replacing the existing switchgear pair with a new PME Type 9 Pair will increase the resiliency of Foxwoods's UG system. The current switchgear's conditions will only further escalate into a potential sudden failure should this switchgear not be replaced.

Other(s): Do Nothing – Let the switchgear remain as is. There are no reported failures on this switchgear pair. However, the observed poor conditions of the switchgear warrant an accelerated replacement.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	February 2026
100% Detailed Engineering Completion	March 2026
Fully Funded	April 2026
Construction Start	June 2026
In Service Date	December 2026

6. Regulatory Decisions

N/A

7. Codes and Standards

DSEM 07.883 – Conventional and Conduit Underground System Design Philosophy and Details
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DSEM 11.641 – Switchgear Design and Application Guide

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Wetlands / Environmentally sensitive area	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Needs Statement	*YES*
B. One-line	*YES*
C. Geographic Map	*YES*
D. Load Sheet	*YES*

Attachment A: Needs Statement

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02793 [redacted]

Work Classification

Category: Line
Type: SUNA
Type Desc: UG NETWORK AUTOMATION
Work Type:

Ownership / Management

AWC: New London
Statewide: No
Owner: [redacted]
Manager: [redacted]

Project Information

Status: Draft
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option Switchgear Replacement

2026

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	Switchgear Pair Replacement	Draft	0	20%	$575,677	$575,677
				2026 Total:	$575,677	$575,677
				Total Project:	$575,677	$575,677

Design Alternative CD02793-01

General Information

Segment: 1 - Switchgear Pair Replacement
Status: Draft
Segment Type: OTHER
Town: LEDYARD
Budget Year: 2026
Work Type: Other
Trimming Required: ☐
In Service Date: 12/31/2026
Description: Replacement of existing PMH switchgear pair with new PME Type 9 pair

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Attachment A: Needs Statement (cont.)

Design Alternative CD02793-01

Estimate

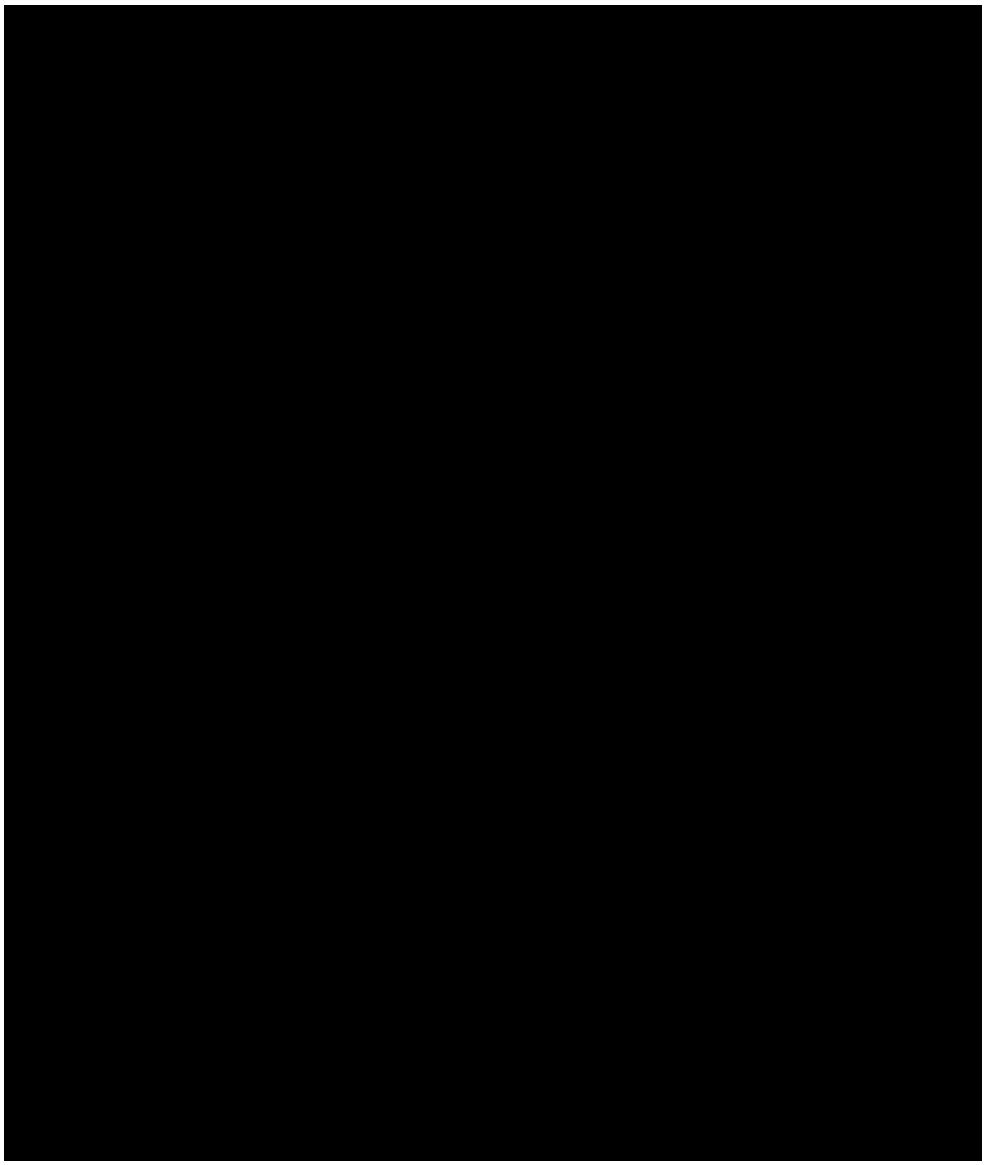
	Preliminary Estimate Summary
Revision Number:	0
Contingency:	20.00%
SubTotal:	$479,731
Contingency Amount:	$95,946
Estimate:	$575,677
Reimbursement:	$0
Net Amount:	**$575,677**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Complex	25-ALL16	[redacted]		
SWITCHGEAR DB/UG-Switchgear up to 25kV-Auto Type 9/12 (pair)	25-UG126			
OTHER OTHER 1/2" Plywood Vapor Barrier + labor/install ($200 per gear)	25-ALL14			
UG CABLE DB/UG - 4/0 - 3-1/C (3ph) Cu cable required for PME	25-UG113B			
UG CABLE DB/UG - 350/500 - 3-1/C (3ph) Cu cable required for PME	25-UG114			
OTHER OTHER Fault Indicators + Labor + Loaders ($129/FI @ (5loc 15FI) + 2.5 hr @ $	25-ALL14			
OTHER OTHER PME Historical Cost Adjustment	25-ALL14			
OTHER OTHER PMH Removal - $10k per gear	25-ALL14			
OTHER OTHER Pump manhole - $4k per manhole	25-ALL14			

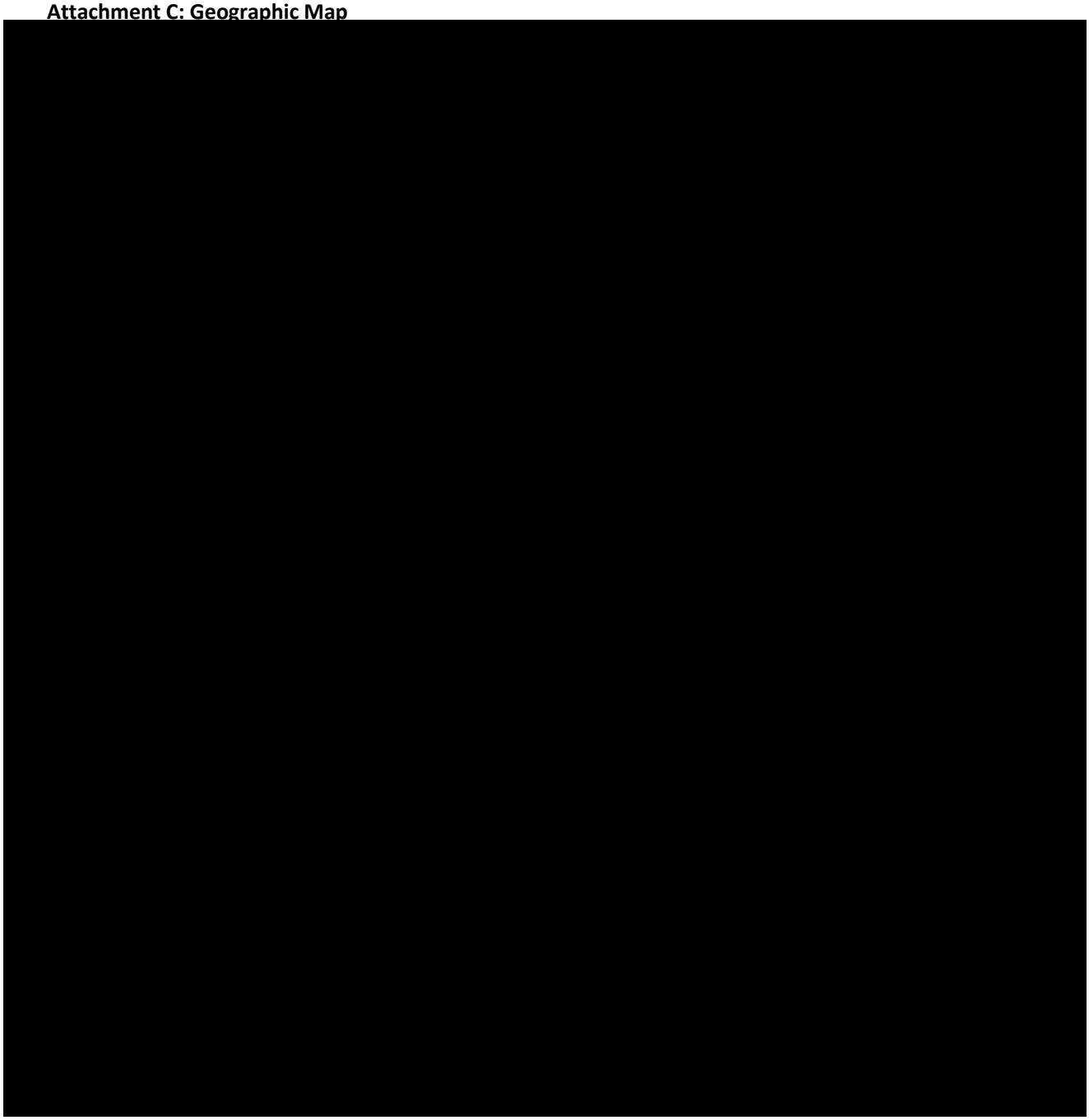
Attachment B: One-line – Foxwoods Campus



Attachment B: One-line (cont.)



Attachment C: Geographic Map



Attachment D: Load Sheet

