EVERSOURCE ENERGY

56 Prospect Street
P.O. Box 270
Hartford, CT 06103

Kathleen M. Shanley
Manager – Transmission Siting
Tel: (860) 728-4527

February 3, 2022

Melanie Bachman, Esq.
Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Eastern Connecticut Reliability Solution – Modifications to Gales Ferry Substation

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is requesting a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed modifications to the Gales Ferry Substation in the Town of Ledyard, Connecticut ("Petition").

Prior to submitting this Petition, Eversource representatives briefed Ledyard officials about the Project and provided written notice to all abutting property owners of the proposed work and also of the filing of this Petition with the Connecticut Siting Council ("Council"). A list identifying the notified property owners is provided in the Petition.

An original and 15 copies of the Petition are enclosed, along with a check in amount of $625 for the filing fee.

Sincerely,

Kathleen M. Shanley
Manager – Transmission Siting

Enclosure

cc: Fred Allyn III, Mayor, Town of Ledyard

THE CONNECTICUT LIGHT AND POWER COMPANY

doing business as

EVERSOURCE ENERGY

PETITION TO THE CONNECTICUT SITING COUNCIL
FOR A DECLARATORY RULING OF
NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT
FOR THE PROPOSED MODIFICATIONS TO THE GALES FERRY
SUBSTATION IN THE TOWN OF LEDYARD, CONNECTICUT

1. Introduction

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") hereby petitions the Connecticut Siting Council ("Council") for a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required pursuant to Section 16-50g et seq. of the Connecticut General Statutes for the proposed modifications to the Gales Ferry Substation (the "Project") that are described herein. Eversource submits that a Certificate is not required because the proposed modifications would not have a substantial adverse environmental effect.

2. Purpose of the Project

The purpose of the proposed Project is to further implement components of the system solution as determined by the Independent System Operator – New England ("ISO-NE") in the "2027 Eastern Connecticut Reliability Needs Assessment" conducted by ISO-NE in 2018 ("Needs Study") and the "Eastern Connecticut (ECT) 2029 Solutions Study – Final" conducted by ISO-NE in June 2020. The Needs Study identified multiple thermal overloads and low voltage violations in the Montville to Card and Montville to Killingly corridors, and low and high voltage violations in the Mystic to Kent Corridor (Kent is a National Grid substation in Rhode Island) and identified the following components of the system solution, in part:

- converting the 100 Line from Montville Substation to Gales Ferry Substation[1] from 69- to 115-kilovolt ("kV") operation;
- converting the 400 Line from Gales Ferry Substation to Tunnel Substation and to Buddington Substation (a Groton Utilities facility) from 69-kV to 115-kV operation;
- upgrading and expanding the Gales Ferry Substation to facilitate the operation of the 100 and 400 Lines at 115-kV, and
- upgrading the Tunnel Substation to facilitate the operation of the 400 Line at 115-kV.[2]

In addition to the Project, the complete solution includes modifications to six other Eversource substations: Killingly, Montville, Shunock, Mystic, Card, and Tunnel.[3]

The status of the Eversource components of the determined system solution are as follows:

- Montville Substation (EM-EVER-086-21039e, acknowledged on April 13, 2021);
- Card Substation (Petition No. 1448, approved June 3, 2021);
- Killingly Substation (Petition No. 1453, approved July 29,2021);
- Mystic Substation (Petition No. 1455, approved July 29, 2021)
- Shunock Substation (Petition No. 1459, approved October 7, 2021);
- Reconductor 100 Line – Montville Substation to Horton Cove (Petition No. 1468, approved January 27,2022);
- Reconductor 100 and 400 Lines – Montville Junction to Ledyard Junction (Petition No. 1475, filed December 28, 2021, pending);

---

[1] The 100 Line and 400 Lines cannot be energized at 115-kV until the entire line and all terminals are converted to 115 kV. This Project is one component of the line upgrades. As part of this Project, Eversource is not seeking approval to energize the rebuilt portion of the 100 and 400 Lines at 115 kV. That request will be the subject of a subsequent petition filing.

[2] Upon completion of all of the upgrades needed to facilitate the conversion of the 100 and 400 Lines from 69-kV operation to 115-kV operation, the 100 Line will be redesignated as the 1787 Line and the 400 Line would be redesignated as the 1911 Line.

[3] The solution also requires improvements to the Groton Utilities' Buddington Substation.

- Gales Ferry (subject of this petition) and,
- Rebuild 400 Line – Ledyard Junction to Tunnel Substation (petition to be filed in February 2022).

Together, these components of the determined solution[4] will help address the noted violations, allow power to flow more easily into Connecticut and better accommodate future renewable energy interconnections.

This Project, a component of the determined solution, is to convert the Gales Ferry Substation from a 69-KV substation to a 115-kV substation. Converting the Gales Ferry Substation to 115-kV operation will facilitate the associated conversion of the 100 Line from Montville Substation to Gales Ferry Substation and the 400 Line from Gales Ferry Substation to Buddington Substation and Tunnel Substation. The proposed modifications at the Gales Ferry Substation and the conversion of the 100 and 400 Lines from 69-kV to 115-kV operation will mitigate the identified contingencies and improve reliability in the Eastern Connecticut area.

3. Project Description

The Project consists of modifications to the Gales Ferry Substation (the "Substation") located on Eversource's approximately 2.2-acre property at 301 Whalehead Road in Ledyard (Gales Ferry), as shown on Attachment A – Aerial Map. The Eversource property is located in a residential area and approximately eight homes have views of the Substation. The Substation is screened from other nearby residences by large tracts of undeveloped land immediately east and west of the Substation and forested land to the north. To the south, one residential property

[4] Other components of the determined solution, including modifications to the Tunnel Substation and the rebuild of the 400 Line from Ledyard Junction to Tunnel Substation, are or will be the subject of separate petitions to the Council.

abuts the Substation parcel. The Eversource property is largely cleared of trees due to the existence of the Substation, which was constructed prior to 1967, and the adjacent distribution and transmission lines. A portion of the northern and eastern parts of the site consists of inland wetlands and an intermittent watercourse, which are discussed in detail, below.

The Substation is a 69- to 13.8-kV facility, with two (2) 69- to 13.8-kV transformers, two (2) 69-kV transmission circuits (the 100 and 400 Lines), and five (5) 13.8-kV distribution circuits. Most of the planned modifications to the Substation would take place within the existing fenced area. However, it would be necessary to expand the eastern side of the fenced area by approximately 30 feet by 160 feet to create additional space necessary to accommodate new transmission and distribution substation components. Details of the proposed modifications are described below and are shown on Attachment B: "Gales Ferry Substation - General Arrangement - Plan & Sections – Connecticut Siting Council". Details of the scope of work are as follows:

a) Replace two 69- to 13.8-kV transformers (1X & 2X) with two new 115- to 13.8-kV 63-MVA transformers;
b) Replace the 1X1 and 2X1 115-kV SF6 Breakers with (2) two new 115-kV 3000A 40kA circuit-switchers;
c) Replace the existing bus and truss structure to meet appropriate thermal ratings and electrical clearance distances;
d) Install two new 115-kV transmission terminal structures and associated equipment, one to terminate the 100 Line and the other for the 400 Line;
e) Install a new 115-kV bus tie breaker and the associated manual disconnect switches for the 100 and 400 Lines;
f) Install a new battery, battery charger, battery monitor system, and hydrogen detection system in a new battery enclosure that will be constructed just south of the existing control enclosure, which will remain; the dimension of the new battery enclosure would be

approximately 36 feet long by 14 feet wide and 12.5 feet tall. Install new relay panels for necessary controls, metering, primary and backup relaying in the existing control enclosure;

g) Install required lightning protection for new or modified equipment;

h) Install new ground grid where necessary;

i) Complete above and below grade civil work required to support the above-mentioned work (e.g., grading, conduit, foundations, and support steel);

j) Expand the fence line in portions to facilitate the new 63-MVA transformers, switchgear, and a new 115-kV Line position;

k) Install new station services and a new 13.8-kV metal clad double bus switchgear (3000A, 750 MVA); and

l) Equipment to be removed includes the following:

- One 69-kV bus tie breaker;
- Six 69-kV line CCVT's;
- Six 69-kV line arresters;
- Six 69-kV disconnect switches;
- Two 69-kV circuit breakers;
- Two 69- 13.8-kV Power Transformers;
- Two 13.2-kV station service transformers;
- One 13.2-kV switchgear; and,
- Nine 13.2-kV regulators.

In addition to the proposed Substation modifications, a temporary 115- to 69-kV mobile transformer would be installed outside of the Substation's fenced area , but on Eversource's property, to address a single contingency line loss ("SCLL") risk during the duration of the outages required for construction of the Substation modifications. With the outages, there is a

potential for the loss of service to customers served by the Substation that cannot be mitigated by a temporary reconfiguration of the distribution switching system.

The mobile transformer would be located on temporary construction matting, just north of the Substation to avoid conflicts with the construction of the Substation modifications and adjacent installation and modifications to the transmission lines.[5] The temporary mobile transformer would be enclosed within an Eversource standard chain link fence (seven feet tall with one foot of barbed wire on top) secured to the temporary matting. The mobile transformer would tap into the 115-kV 1410 Line. The tap connecting the 1410 Line to the transformer would be supported on a temporary wood pole.[6] The mobile transformer would temporarily step the 115-kV feed from the 1410 Line down to 13.8-kV and will connect to the Substation via a temporary underground cable. Upon completion of the Project, the mobile transformer, the temporary matting, the fence, the wood pole, and the underground cable would be removed, and the disturbed areas would be restored.

4. Construction Methods

The Project would be constructed, operated, and maintained in accordance with established industry standards and Eversource's *2016 Construction & Maintenance Environmental Requirements, Best Management Practices Manual for Massachusetts and Connecticut* ("BMPs"). Construction-related vehicular traffic would utilize the existing Substation access road from Whalehead Road. Project-related traffic is expected to be temporary and highly localized in the vicinity of the Substation. Construction activities would include the following:

[5] The installation and modifications to the transmission lines are the subject of Petition No.1475.

[6] The request to install the temporary wood pole was included in the scope of work under Petition No.1475 but is depicted on Attachment A – Aerial Map for clarity.

Access Road Improvement

Access to the Substation would utilize the existing road from Whalebone Road. erosion and sedimentation ("E&S") controls would be installed as necessary before the start of construction.

Clearing

While the majority of the Project would be located within the existing Substation, expansion of the Substation's fenced area, via the construction of a new retaining wall, would be required to accommodate new transmission and distribution equipment as well as the new terminal for the 100 Line. This work would utilize construction matting to the east of the retaining wall to protect wetland resources and would require the removal of approximately 4,667 square feet of trees and vegetation that have grown along the southeast corner of the existing fence line. See Attachment A – Aerial Map.

Grading

Filling and grading would be required for the expansion on the east side of the Substation to bring the ground surface to the same level as the existing fenced area.

Foundation Installation

The proposed new equipment would be supported by concrete foundations. Foundation installation work would require the use of equipment such as excavators, dump trucks, concrete trucks, and light duty trucks. If groundwater is encountered, pumping (vacuum) trucks or other suitable equipment would be used to pump water from the excavations. The water would then be discharged in accordance with applicable local, state, and federal requirements. Excavated soils that are generated during construction activities would be

used as backfill, to the extent practicable. Excavated soils that cannot be utilized as backfill would be disposed in accordance with applicable regulations.

Equipment Assembly, Installation and Removal

The proposed equipment, components and hardware would be delivered to the Substation using flat-bed trucks, either pre-assembled or assembled on-site and installed. Equipment, materials, and construction vehicles would be staged on-site. After installation, the area around the installed equipment within the Substation's fenced Substation area would be backfilled and top dressed with crushed stone.

Construction Schedule and Work Hours

Eversource proposes to begin construction in the second quarter of 2022 and expects to complete construction by June 2023. Normal work hours would be Monday through Saturday from 7:00 AM to 7:00 PM. Sunday work hours or evening work hours past 7:00 PM may be necessary due to delays caused by inclement weather and/or outage constraints. In the event this is necessary, the Council, Town and abutters will be provided notice of the proposed Sunday and/or evening work hours.

5. Existing Environment, Environmental Effects and Mitigation

The Project would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics because:

a) Environmental Effects

Eversource expects that it would be necessary to remove several trees along the southeast corner of the Substation to accommodate the proposed expansion of

the Substation. Due to the location of, and proximity to wetlands and watercourse, the Project will unavoidably result in permanent and temporary effects to water resources. The Substation can only be expanded to the east due to several site constraints:

- to the west, the proximity to Whalehead Road does not allow expansion in that direction;
- to the north, interference with the existing overhead transmission and distribution lines would not allow sufficient expansion area in that direction; and;
- to the south, the Substation footprint is very close to Eversource's property line.

The effects to wetlands and watercourses have been minimized to the greatest extent practicable by configuring the new equipment as tightly as Eversource clearance requirements would allow within the Substation. In addition, the construction of a retaining wall would eliminate the need for additional filling that would be necessary if the traditional use of a riprap side slope were implemented. The vegetation in the wetlands that would be affected by the expansion is dominated by common reed (Phragmites australis), an invasive species, which does not provide high quality habitat for wildlife or exhibit other wetland functions and values provided by native communities of wetland vegetation. Approximately 4,745 square feet of permanent wetland effects are required to facilitate the Substation expansion. The Project would also result in approximately 45,222

square feet of temporary effects to wetlands due to the placement of construction mats for work areas during construction.[7]

- The Project would be located partially within a 100-year flood zone but not within a 500-year flood zone. Approximately 22,798 square feet of temporary matting would be required for construction within the 100-year flood zone and there would be no permanent fill. Eversource would utilize its BMPs to minimize any impacts in these areas, including the use of construction mats for work pads to ensure that hydrology is not adversely affected. All construction mats would be removed after the Project is complete. Areas of disturbance would be promptly stabilized in order to minimize the potential for soil erosion and the discharge of sediment into nearby resource areas. Prior to significant storm events, Eversource would secure the construction mats to impede lateral movement during temporary flooding.
- No portion of the Project area would be located within an identified Connecticut Department of Energy and Environmental Protection's ("CT DEEP") Natural Diversity Data Base area. Therefore, the Project does not anticipate any adverse effects to any state-listed endangered, threatened, or special concern species.

[7] Almost all of the temporary matting would be needed for the structure replacement work and reconductoring of the 100, 400 and 1410 Lines and the installation of fiber optic ground wire on the 1280 Line, which are the subject of Petition No. 1475. If approved, the matting required for that work would be left in place to facilitate the construction of the modifications to the Substation and the installation of the temporary mobile transformer. Approximately 6,660 square feet of additional temporary matting would be required along the eastern perimeter of the Substation for the construction of the retaining wall, as shown on Attachment A – Aerial Map.

- A Phase 1A Cultural (archaeological and historical) Resources Assessment of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office ("SHPO") was completed by Heritage Consultants ("Heritage") during April of 2021. Based on the results of this survey, a Phase 1B Cultural Resources Reconnaissance Survey was recommended and completed in November of 2021 with no cultural material or evidence of archaeological features identified during the survey. No impacts to cultural resources are expected and further investigations are not warranted. A November 9, 2021, letter from SHPO indicates that no adverse impacts to cultural resources are anticipated to occur as a result of the proposed modifications. Additionally, notification was also provided to the Tribal Historic Preservation Offices ("THPO") of the Mohegan Tribe of Native Americans of Connecticut and the Mashantucket Pequot Tribal Nation for review.

- The Project would not affect groundwater, open water resources, or any aquifer protection areas. No public supply reservoirs are in the vicinity of the Project area. The Project would not affect public or private water supply wells. The nearest APA is located approximately 0.47 mile east of the Project area. The Project would not be located within a public water supply watershed and no public supply reservoirs, or public water supply wells are located within the Project area. No private water supply wells were observed within the Project area during field investigation activities.

  Eversource would require its contractors to employ best practices for the proper storage, secondary containment, and handling of diesel fuel, motor oil, grease, and other lubricants, to protect water quality within the Project

area. Construction activities would conform to Eversource's BMPs, as well as to the requirements of Project-specific plans, which would be prepared prior to the commencement of construction.

- Project construction would conform to its BMPs for E&S control and include those provided in the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control ("Connecticut Guidelines") and Eversource's BMPs. Prior to the start of construction, the limits of disturbance will be staked in the field and the appropriate E&S controls would be installed as shown on Attachment A- Aerial Map.

  Typical E&S control measures include, but are not limited to, straw blankets, hay bales, compost filter socks, silt fencing and gravel anti-tracking pads. Silt fence would be installed prior to construction to intercept and retain sediment and/or construction materials from disturbed areas and prevent such materials from discharging to water resources. Temporary E&S control measures would be inspected and maintained throughout the Project to ensure their integrity and effectiveness and for compliance with the Connecticut Guidelines and Eversource's BMPs. Following completion of construction, seeding, and mulching or finished surface treatments would be completed to permanently stabilize the areas disturbed by the work outside the modified Substation fence. The temporary E&S control measures would remain in place until the Project work is complete and all disturbed areas have been stabilized.

- This Project will not require a Stormwater Pollution Control Plan because disturbances would be less than one acre.

- No publicly accessible scenic or recreational resources were identified within the Project area.

- The primary sources of electric and magnetic fields at the Gales Ferry Substation are the transmission lines that are adjacent to and entering the Substation. There are four lines adjacent to the Substation: the 1410 Line to the north side of the ROW, the 100 and 400 Lines in the center of the ROW and the 1280 Line on the south side of the ROW. The 100 Line and the 400 line currently terminate at the Substation; however, the terminal locations will change slightly. Accordingly, the associated electric and magnetic fields will change with the shift in the location of the terminal structures. Eversource previously modelled the predicted electric and magnetic fields for the transmission lines (refer to Petition No. 1475), which indicated that the magnetic fields at and beyond the edges of the ROW would slightly increase and electric fields at the edges of the ROW would increase slightly at the southern edge of the ROW but would decrease slightly on the northern edge of the ROW. The maximum fields in the ROW and at the southern edge will be essentially unchanged. The results of the calculations show that the proposed modifications would not substantially increase electric or magnetic fields at the edges of the ROW and that the anticipated fields resulting from the proposed Project would be well below the internationally established exposure limits for 60-Hz electric and magnetic fields, specifically, the limits identified by the International Council on Electromagnetic Safety and the International Council on Non-Ionizing Radiation Protection.

- Radio and Television Interference

  There would be no change to the existing television or radio interference at the Substation.

- Sound Pressure

  Sound-pressure levels at all points along properties lines would continue to meet the requirements of the State of Connecticut Control of Regulations (Regulations of Connecticut State Agencies §§ 22a-69-1 et seq.).

- Substation Appearance

  The Project would result in some minor changes to the visual character of the Substation, though Eversource does not believe that the change would result in a substantial deviation from the existing character of the Substation. The Substation and the adjacent transmission and distribution lines are in open view from Whalehead Road and Route 12. Due to the limited amount of clearing and the location of the Substation expansion relative to nearby residences, the Project would not result in a detrimental change to the views of the existing Substation from nearby residences.

- Substation Security Measures and Lighting

  The Substation will use the existing security measures including security cameras, and an alarm system. Additional lighting will be installed in the proposed expansion area of the Substation as necessary for safety and security purposes.

6. Municipal and Property Owner Outreach

In November 2021, Eversource consulted with the municipal officials in the Town of Ledyard to brief them on the proposed Project. Additionally, Eversource has provided representatives of the Towns with written notice of the Petition filing.

In late-November 2021, Eversource conducted outreach to property owners abutting the Gales Ferry Substation property. In conjunction with the submission of this Petition, all abutting property owners were notified of the filing and provided information on how to obtain additional information on the Project, as well as how to submit comments to the Council. Attachment C includes the Letter to Abutters, the Affidavit of Service of Notice, and the List of Abutters. Eversource representatives will continue contact with adjacent property owners to provide advance notification as to the start of construction activities and will continue to update property owners throughout construction and restoration.

7. Conclusion

Section 16-50k(a) of the Connecticut General Statutes provides that a Certificate of Environmental Compatibility and Public Need is needed for proposed modifications of a facility that the Council determines would have a "substantial adverse environmental effect." Eversource respectfully submits that the proposed modifications would not result in a substantial adverse effect on the environment or ecology, nor would they damage existing scenic, historical, or recreational values. Accordingly, Eversource requests that the Council issue a declaratory ruling that the proposed modifications would have no substantial adverse environmental effect and, therefore, no Certificate is required.

8. Communications regarding this Petition for a Declaratory Ruling should be directed to:

Kathleen M. Shanley
Manager – Transmission Siting
Eversource Energy
PO Box 270
Hartford, CT 06141-0270
Telephone: (860) 728-4527

By: _____
Kathleen M. Shanley

List of Attachments

Attachment A: Gales Ferry Substation – Aerial Map
Attachment B: Gales Ferry Substation – General Arrangement – Plan and Sections
Attachment C: Letter to the Abutters, Affidavit of Notice of Service and List of Abutters

Attachment A - Aerial Map

TEMPORARY MOBILE TRANSFORMER (TO BE ENCLOSED WITH FENCING)

APPROXIMATE LOCATION OF TEMPORARY WOOD POLE

225A-005
ERIC PETERSEN
2 ANDERSON DR

225A-011
REGINA S.
TURETSKY
295 WHALEHEAD RD

7020A

7019A

1410 Line

ANDERSON DRIVE

7019B

100 Line

7020-1

7020-2

400 Line

8353-1

1280 Line

8353

1280 Line

W1

85 ft

90 ft

80 ft

Manhole

Manhole

Distribution Pole

225A-006
CONNETICUT LIGHT
AND POWER CO.
301 WHALEHEAD RD

SPAN WATERCOURSE; ANCHOR TEMPORARY MATTING IN FLOOD ZONE

S1

225A-010
TOWN OF
LEDYARD
53 NORMAN DR

12

MILITARY HIGHWAY

WHALEHEAD ROAD

RETAINING WALL WITH FENCE ON TOP

SILT FENCE OR APPROVED ALTERNATIVE

New Battery Enclosure

100-Year Flood Zone

Manhole

Manhole

95 ft

97 ft

90 ft

80 ft

AREA OF TREE CLEARING

225A-007
HEIDI L. MIMS
303 WHALEHEAD RD

225A-009
DAVID PROVOST
28 FERRY
VIEW DR

C:\Users\jkozak\Dropbox (APT GIS)\APT GIS Team Folder\Projects\Eversource\Gales Ferry SS Expansion\mxd\Gales_Ferry_SS_Addition_Map.mxd

INDEX MAP

Legend

- Proposed Structure
- Existing Structure
- Existing Right-of-Way (ROW)
- Overhead Eversource Line
- Fence
- Proposed Substation Expansion Fence
- Proposed Substation Equipment / Modifications
- 5' Contour Line
- 1' Contour Line
- Proposed Contour Line
- Temporary Construction Matting
- Culvert
- Delineated Intermittent Watercourse
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Limit of Disturbance
- Retaining Wall
- Silt Fence or Approved Alternative
- Tree Line
- Area of Tree Clearing
- FEMA 100-Year Flood Zone
- Eversource Owned Property
- Parcel Boundary

Map Notes:
Base Map Source: ESRI Aerial Imagery: CTECO 2019 imagery.
This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.
Parcel boundaries are approximate (NOT survey).
Parcels and LLNs provided by Eversource.
ROW boundary, existing, and proposed structure locations provided by Eversource (Dec 2021).
Wetland data delineated by APT - DE in Dec 2021.
Substation Layout provided by CAI on 12/10/2021.

N

1 inch = 50 feet

0 25 50 Feet

NO.	DATE	REVISIONS

EVERSOURCE ENERGY

Gales Ferry Substation Expansion Project

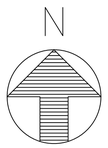
Ledyard, CT

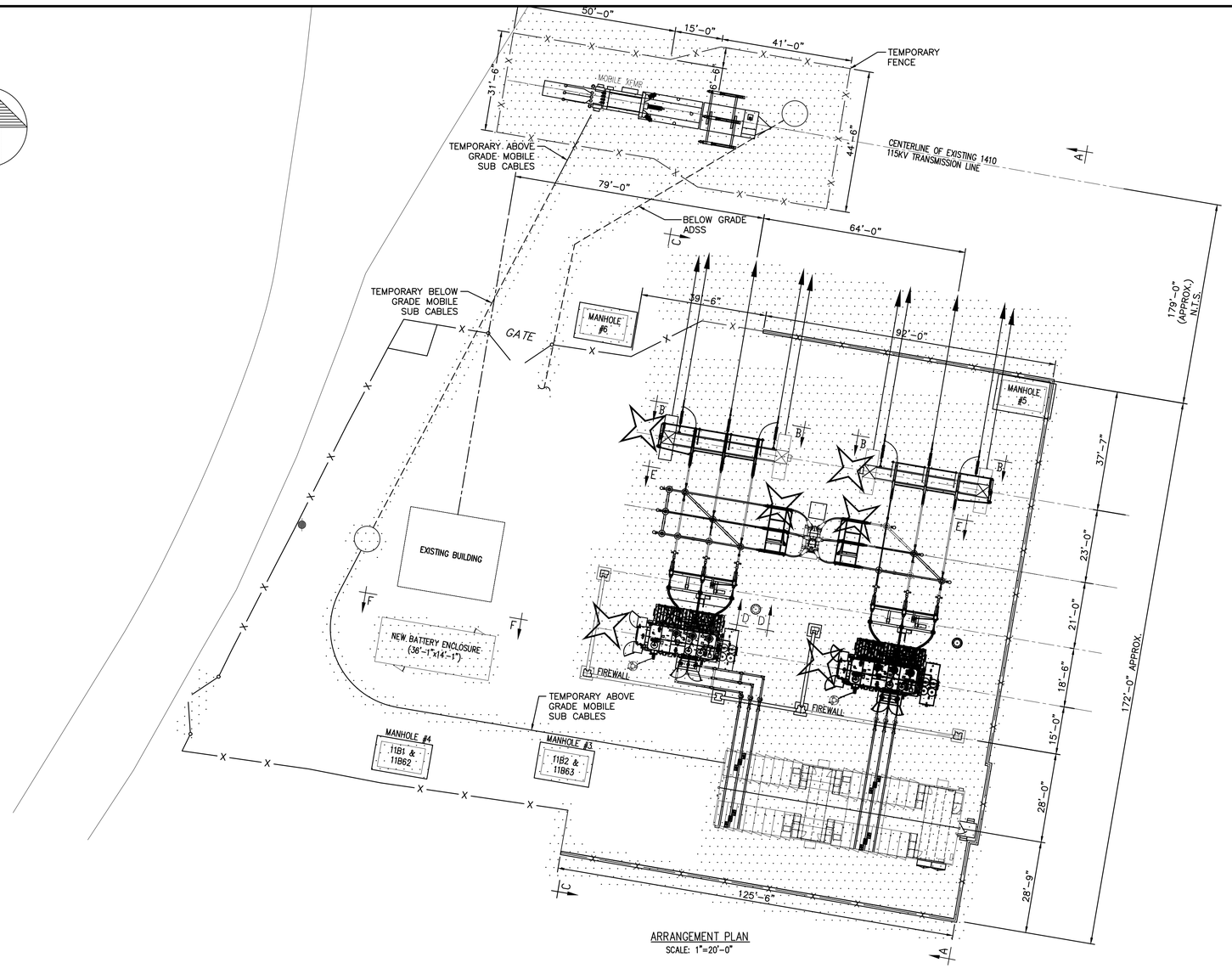
Map Sheet 1 of 1

January, 2022

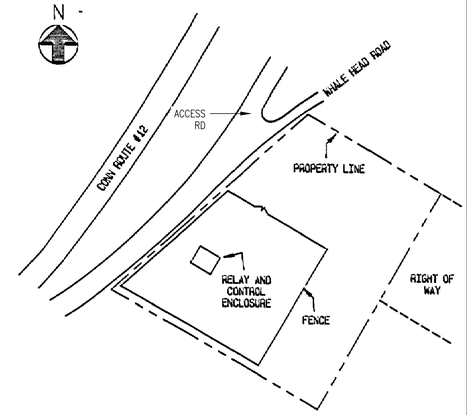
ALL-POINTS TECHNOLOGY CORPORATION

Attachment B – General Arrangement Plan

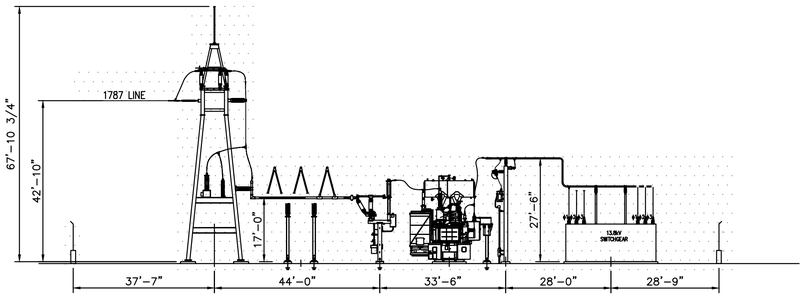




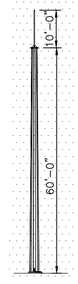
ARRANGEMENT PLAN
SCALE: 1"=20'-0"



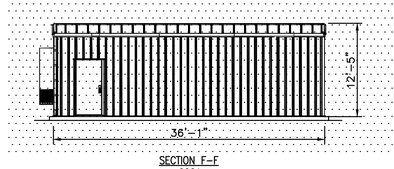
LOCATION PLAN
SCALE 1"=100'



SECTION C-C
2021
PROPOSED ADDITION
SCALE: 1"=20'-0"



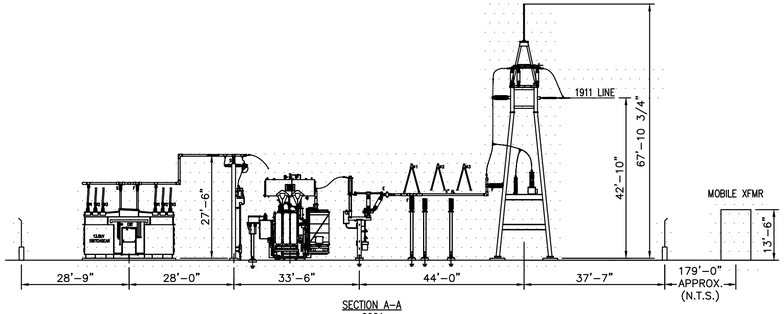
SECTION D-D
2021
PROPOSED ADDITION
SCALE: 1"=20'-0"



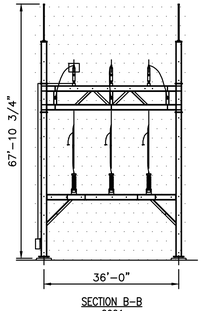
SECTION F-F
2021
PROPOSED ADDITION
SCALE: 1"=10'-0"

NEW PROPOSED LIGHTING

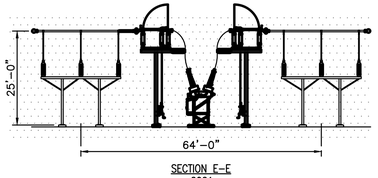
2021 ADDITIONS



SECTION A-A
2021
PROPOSED ADDITION
SCALE: 1"=20'-0"



SECTION B-B
2021
PROPOSED ADDITION
SCALE: 1"=20'-0"



SECTION E-E
2021
PROPOSED ADDITION
SCALE: 1"=20'-0"

NO.	DATE		BY	CHK	APP	APP
1	5/93	ISSUED FOR CSC APPROVAL 1992 ADDITION	MC	–	REM	PSM

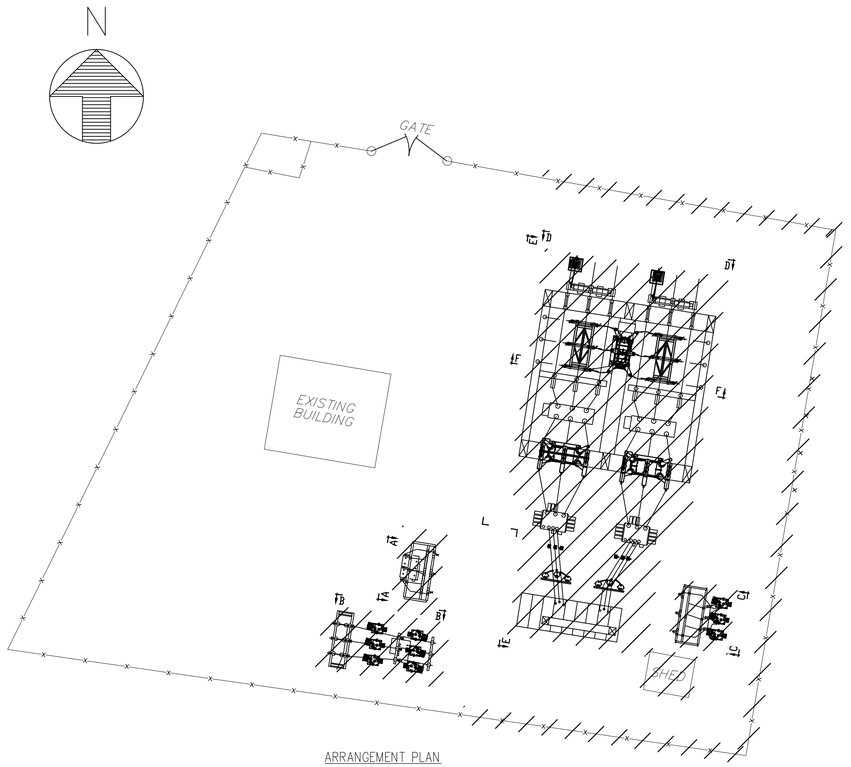
REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

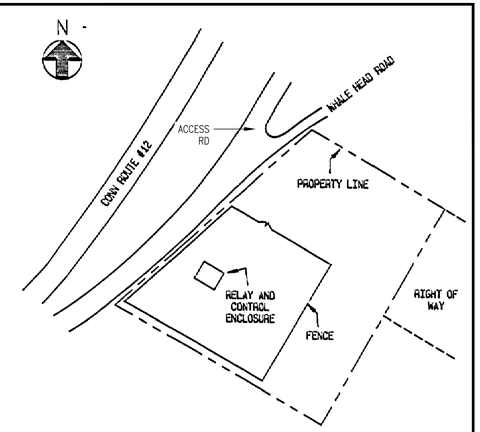
TITLE
GALES FERRY 11B
GENERAL ARRANGEMENT-PLAN & SECTIONS-CSC
PLAN & SECTION VIEW
LEDYARD, CT

BY	JS/LC/MC	CHKD	REM	APP	REM	APP	PSM
DATE	11/91	DATE	11/91	DATE	11/91	DATE	11/91
H-SCALE	N.T.S.	SIZE	D	FIELD BOOK & PAGES			
V-SCALE	N.T.S.	V.S.		R.E. DWG			
R.E. PROJ. NUMBER				DWG NO.	17202-92001		

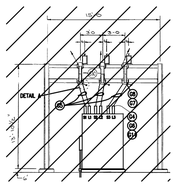
ES VER: 05/2015



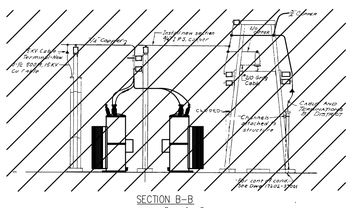
ARRANGEMENT PLAN
1"=20'



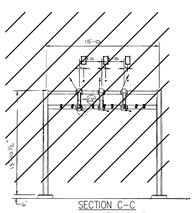
LOCATION PLAN
SCALE 1"=100'



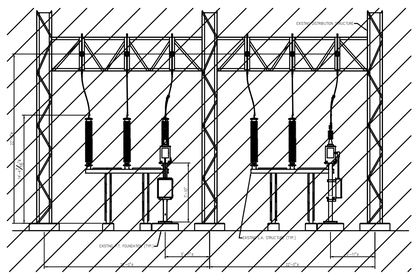
SECTION A-A
SCALE: 1"=20'-0"



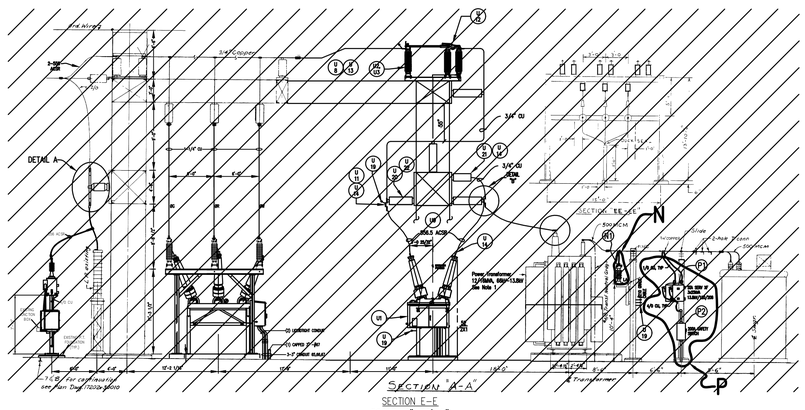
SECTION B-B
SCALE: 1"=20'-0"



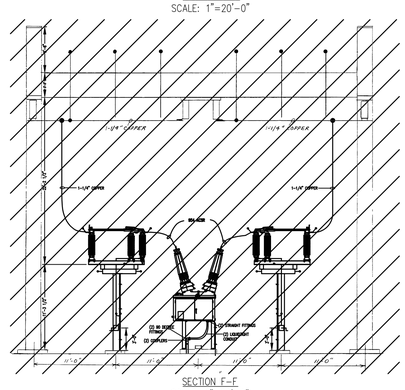
SECTION C-C
SCALE: 1"=20'-0"



SECTION D-D
SCALE: 1"=20'-0"



SECTION E-E
SECTION A-A
SECTION F-F
SCALE: 1"=20'-0"



SECTION F-F
SCALE: 1"=20'-0"

2021
REMOVALS

REVISIONS DURING CONSTRUCTION						

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP
1	5/93	ISSUED FOR CSC APPROVAL 1992 ADDITION	MC	–	REM	PSM

EVERSOURCE ENERGY

TITLE
GALES FERRY 11B
GENERAL ARRANGEMENT-PLAN & SECTIONS-CSC
PLAN & SECTION VIEW
LEDYARD, CT

BY	CHKD	APP	APP
JS/LC/MC	REM	REM	PSM
DATE 11/91	DATE 11/91	DATE 11/91	DATE 11/91
H-SCALE AS NOTED	SIZE D	FIELD BOOK & PAGES	
V-SCALE	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO.	17202-92001

1/12/2022 11:57 AM - mefretly - C:\pw_work\pw_proj\mefretly\d1267063\17202-92001.DWG - CSC Proposal - 69-115kV Conversion Removals

Attachment C - Letter to the Abutters, Affidavit of Service of Notice and List of Abutters

EVERSOURCE

P.O. Box 270
Hartford, CT 06141-0270

February 2022

Dear Neighbor,

At Eversource, we're always working to serve you better. We are submitting a petition to the Connecticut Siting Council (CSC) for a proposed substation upgrade project in your area.

Proposed Project Information

The Project, called the Gales Ferry Substation Upgrade Project, is one of several Projects designed to support the continued reliability of the transmission system in Eastern Connecticut. The Project work would be located on Eversource Substation property and within the existing Eversource right-of-way (ROW) on or near your property in the town of Ledyard. The proposed modifications include:

- Convert the Gales Ferry Substation from 69-kV to 115-kV.
- Installation of new equipment, a new battery enclosure and associated equipment, replacement of two existing transformers with two new 115-13.8kV transformers, modification, relocation, and removal of some existing equipment.
- Extension of the existing fence area and addition of a retaining wall along the eastern side of the substation to accommodate new transmission and distribution equipment.
- Installation of underground cable.
- Installation of lightning protection and lighting.
- Installation of new communication cable which will improve electric reliability by enabling communication between substations.
- Installation of a temporary transformer that will be located on a matting within Eversource's right-of-way, just north of the Gales Ferry Substation. Installation of temporary construction matting will be installed to protect wetland areas within the right of way.
- Tree and vegetation removal as needed for the Project work.

What You Can Expect

Pending receipt of the necessary approvals for this proposed work, construction is expected to begin in the second quarter of 2022. We anticipate completing construction, including restoration of affected areas, by the end of 2023.

Health and Safety Is Our Top Priority

Please know that Eversource remains committed to prioritizing public health as well as the health of employees and contractors. All Eversource personnel follow applicable health and safety guidelines to help prevent the spread of COVID-19.

Contact Information

Eversource is committed to being a good neighbor and doing our work with respect for you and your property. For more information please call our projects hotline at 1-800-793-2202 or send an email to ProjectInfo@eversource.com.

Sincerely,

Taylor LaPierre

Taylor LaPierre
Project Manager – Transmission on behalf of Eversource Energy

Owner (First Name)	Owner (Last Name)	Co-Owner (First Name)	Co-Owner (Last Name)		Address (Mailing)	City (Mailing)	State (Mailing)	Zip Code (Mailing)
B UNITED METHODIST CHURCH OF		GALES FERRY INC.			6 CHAPMAN LN	GALES FERRY	CT	06335
MADELINE C.	SLATER	LEONARD P.	SLATER	OR CURRENT RESIDENT	1711 ROUTE 12	GALES FERRY	CT	06335
MICHAEL E.	WINSLOW			OR CURRENT RESIDENT	283 WHALEHEAD RD.	GALES FERRY	CT	06335
ERIC	PETERSEN			OR CURRENT RESIDENT	2 ANDERSON DR	GALES FERRY	CT	06335
REGINA S.	TURETSKY	ROBERT A. AND CHARLES S.	NIEDERMAN		18 LASH UP LN	SALEM	SC	29676
HEIDI L.	MIMS			OR CURRENT RESIDENT	303 WHALEHEAD RD	GALES FERRY	CT	06335
JASON ANDREW	SECHRIST			OR CURRENT RESIDENT	1700 ROUTE 12	GALES FERRY	CT	06335
DAVID	PROVOST			OR CURRENT RESIDENT	28 FERRY VIEW DR	GALES FERRY	CT	06335
Town of Ledyard		Honorable Fred Allyn			741 Colonel Ledyard Hwy.	Ledyard	CT	06335

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Sec. 16-50j-40 of the Regulations of Connecticut State Agencies ("RCSA") provides that proof of notice to the affected municipalities, property owners and abutters shall be submitted with a petition for declaratory ruling to the Connecticut Siting Council ("Council"). In accordance with that RCSA section, I hereby certify that I caused notice of the petition for a declaratory ruling of The Connecticut Light and Power Company doing business as Eversource Energy to be served by mail or courier upon the following municipal officials:

- Fred Allyn, III
  Mayor
  Ledyard Town Hall
  741 Colonel Ledyard Highway
  Ledyard, CT 06339

I also certify that I caused notice of the proposed modifications to be served by mail or courier upon owners of abutting properties shown on Attachment D to the Petition.

Taylor LaPierre

Taylor LaPierre
Project Manager

On this the 3rd day of February 2022, before me, the undersigned representative, personally appeared, Taylor LaPierre, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notary Public/My Commission expires:_____

Officer of the Superior Court/ Juris No.: Andrew W. Lord 413393