

**THE STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION**

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
d/b/a EVERSOURCE ENERGY**

DOCKET No. DE 20-073

**SUPPLEMENTAL PETITION OF PUBLIC SERVICE COMPANY OF NEW
HAMPSHIRE D/B/A EVERSOURCE ENERGY FOR LICENSE TO CONSTRUCT AND
MAINTAIN ELECTRIC LINES OVER AND ACROSS STATE OWNED LAND
IN GOFFSTOWN AND HOOKSETT, NEW HAMPSHIRE**

Pursuant to RSA 371:17, Public Service Company of New Hampshire d/b/a Eversource Energy (“Eversource” or “the Company”), a public utility engaged in the transmission, distribution and sale of electricity in the State of New Hampshire, hereby petitions the Public Utilities Commission (“Commission”), for a license to construct and maintain electric lines over and across certain State owned land in the Towns of Goffstown and Hooksett. In support of this petition Eversource states as follows:

1. In order to meet the requirements for reasonable service to the public, Eversource has previously constructed and currently operates and maintains an overhead 115 kV electrical transmission line, designated as the Eversource O161 Line, over and across State owned land in Goffstown and Hooksett. The location of the two State owned land spans in Hooksett and Goffstown, respectively, which are the subject of this petition are depicted on the Overview Map attached hereto as Exhibit #1. Neither span is subject to an existing PUC license. The in-service date for the O161 Line of January 1, 1974 predates the State of New Hampshire acquiring title to lands comprising Hooksett Map 37, Lot 1 by deed dated May 24, 1974 and recorded in the Hillsborough County Registry of Deeds at Book 1211, Page 192 and therefore no license was required for the original O161 Line construction. The State owned parcel in Goffstown, Map 5, Lot 18A, which establishes the second crossing span that is the subject of this petition was acquired by the State of New Hampshire by deed dated December 21, 1967 and recorded in said Registry at Book, 1972, Page 415 and appears not to have been licensed as a matter of oversight, but will be fully licensed by this petition.

2. Eversource is commencing a project to replace a number of structures on its existing O161 Line including structure 72 which creates a State owned land crossing span in Goffstown with structure 73, which will not be replaced. Said structure is approximately 46 years old and has been subjected to environmental damage. Therefore, it requires replacement to continue to function safely and reliability. No wires will be replaced as part of this project; instead, existing conductor and static wire will be transferred to replacement structure 72, which will be a weathered steel replacement of the existing wood structure.

3. In addition to the proposed structure replacements, this petition seeks to license previously completed work on the O161 Line for which this portion of the petition is after-the-fact. In 1992 Eversource replaced one of two existing shield wires with OPGW telecommunications cable along a section of the O161, including across the State owned land span between structures 20 to 21 that is the subject of this petition. Also, in 2017, Eversource replaced (2) wooden structures (Str. 20 and 21) along the existing O161 transmission line, at the same State owned land span in Hooksett. No conductor, static wire, or OPGW fiber cable was replaced as part of the 2017 structure replacement; instead, existing conductors, static wires, OPGW telecommunications cable were transferred to the new, steel structures.

4. The design and proposed construction of the replacement crossings for the O161 Line over the State owned lands is in accordance with the National Electrical Safety Code (NESC) and is depicted on the Eversource Plan and Profile Drawing attached as Exhibits 2 and 3. The three replacement structures which are the subject of this petition will be located within 10' of the original wood structures so as not to disturb the original structures' foundation while the wires are being transferred.

5. Wire and structure specification for the State owned land crossings are depicted and noted on the Structure Detail and Profile Views of Exhibit 2 and 3.

6. The location of the structures creates the following crossing span:

- I. State owned land: Hooksett (Exhibit 2)

- i. Structures: 20 and 21
- ii. Structure Span (ft): 396.6
- iii. State Owned Land Span (ft): 20.5

II. State owned land: Goffstown (Exhibit 3)

- i. Structures: 72 and 73
- ii. Structure Span (ft): 344.1
- iii. State Owned Land Span (ft): 225.3

7. The conductors have been drawn on Exhibits 2 and 3 to show the minimum clearance at maximum sag conditions in reference to the State owned land spans.

8. Eversource will maintain and operate the clearances of the crossings over the State owned land crossings at a height no less than what is required by the 2012 National Electrical Safety Code (NESC, Table 232-1). The State owned land crossings requires at least 20.1 feet to ground for roads, streets and other areas subject to truck traffic and 16.1 feet to ground for spaces and ways subject to pedestrian or restricted traffic. The actual minimum height over the State owned land crossings are depicted on the attached Exhibits 2 and 3 and exceeds the minimum requirements.

9. A New Hampshire Department of Environmental Services statutory permit by notification (SPN), formerly Utility Maintenance Notification (UMN), is required for construction access and work activities which involve the temporary minor alteration of nontidal wetlands, nontidal surface waters, and banks adjacent to nontidal surface waters and is applicable to the public water crossings. A UMN was obtained in 2017 for work in the Town of Hooksett (UMN # 2017-187). SPN's are not required for the proposed structure replacement in Goffstown.

10. It is not anticipated that abutters on either side of the State owned land crossings will be affected by the proposed structure replacements, as the O161 Line is an existing line and the crossing structures to be replaced are within Eversource's existing utility easements.

11. Eversource submits that the license petitioned for herein may be exercised without substantially affecting the rights of the public in the State owned lands. Minimum safe clearances

land surfaces shall be maintained at all times. The use and enjoyment by the public of the State owned lands will not be diminished in any material respect as a result of the proposed structure replacements.

WHEREFORE, Eversource respectfully requests that the Commission:

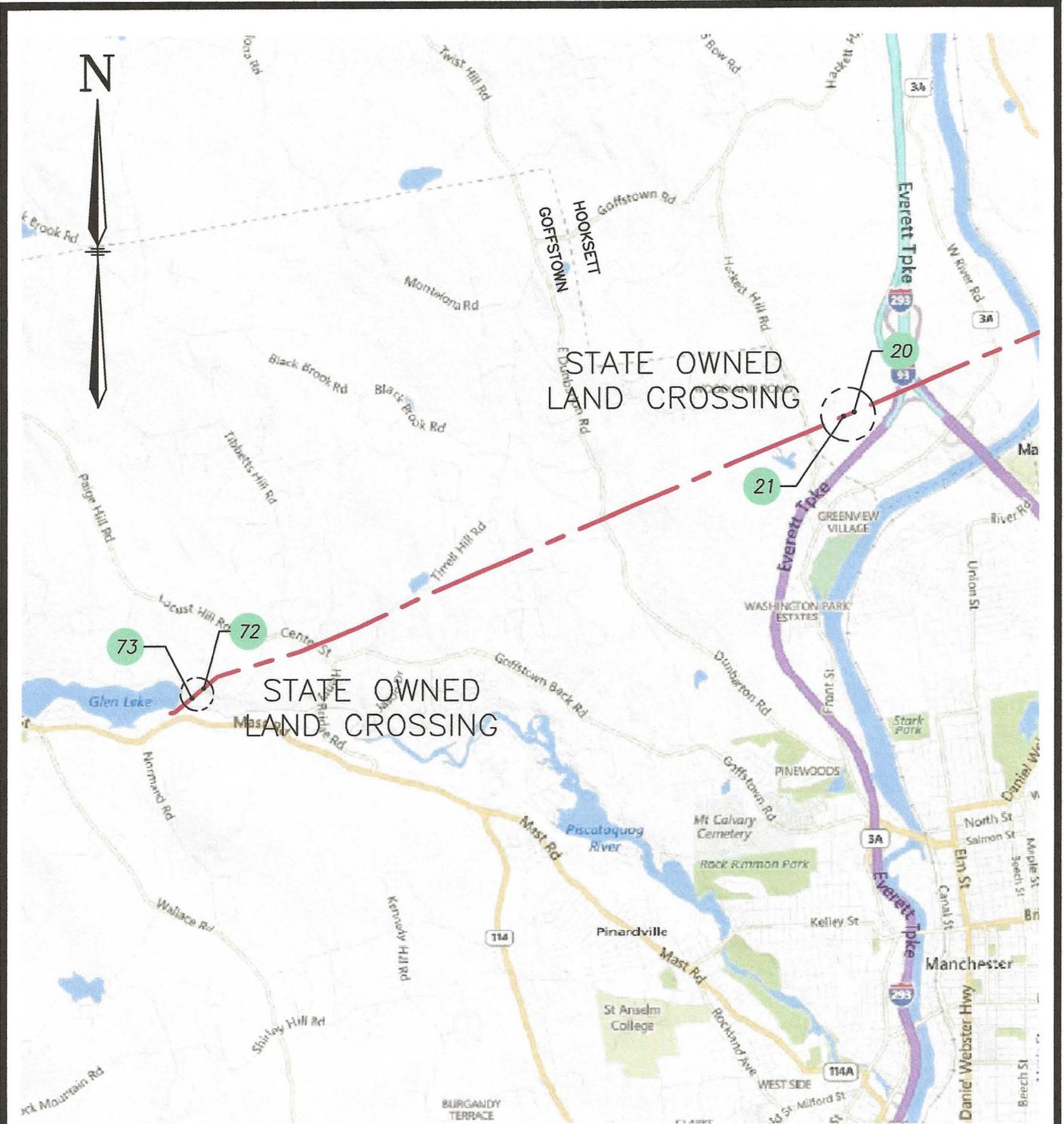
1. Find that the license petitioned for herein may be exercised without substantially affecting the public rights in the State owned lands which are the subject of this petition;
2. Grant Eversource a license to construct and maintain electric lines over and across the State owned land as identified and described in this petition;
3. Authorize Eversource to submit any future proposed alteration(s) to the amended licenses granted herein at least 60 days prior to undertaking any such alteration(s); and
4. Issue an order *Nisi* and orders for its publication.

Dated this 8th day of September, 2020.

Respectfully submitted,
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
D/B/A EVERSOURCE ENERGY
By Its Attorney



Erik R. Newman, Senior Counsel, Legal
780 North Commercial Street
Manchester, NH 03101
(603) 634-2459



LEGEND:

0161 LINE:

0161 STR:

DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1	SUBMITTED TO NH PUC		05/20	GBS	SDR	JRS

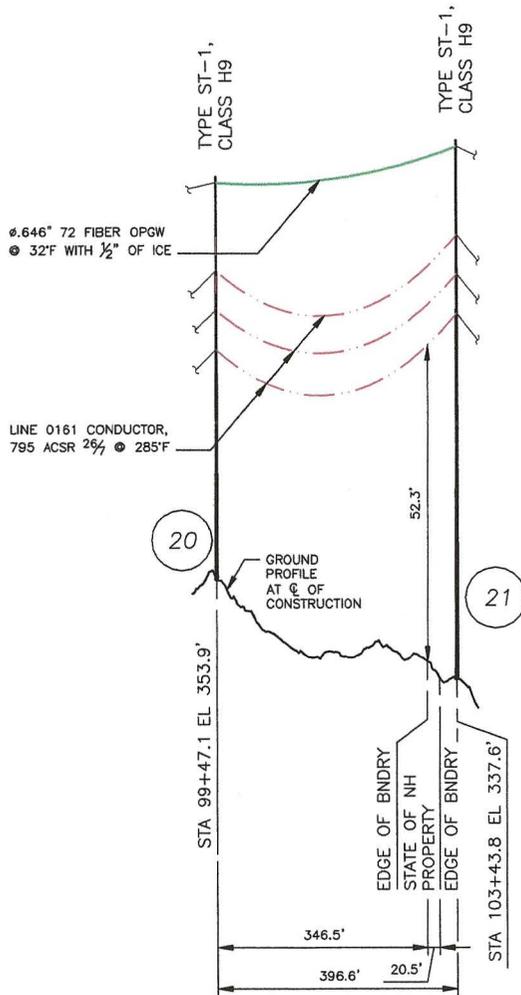
EVERSOURCE ENERGY

0161, 115kV LINE
STATE OWNED LAND CROSSING, LOCATION PLAN
HOOKSETT, GOFFSTOWN, NEW HAMPSHIRE
EXHIBIT 1

T	1
DRAWN	GBS
ENGINEER	JRS
CHECKED	SDR
APPROVED	JRS
DATE	02/05/2020

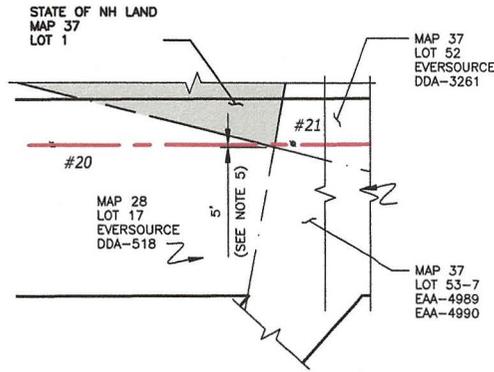
SCALE: 1" = 5000'
FILE: 016143501.DWG
IMAGE:

DRAWING NO.
016143501



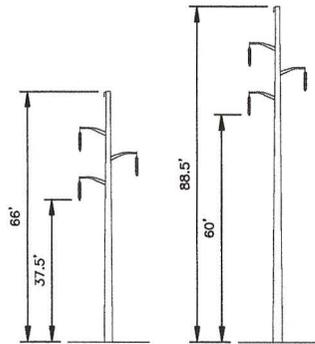
PROFILE VIEW

SCALE: HORZ 1" = 200'
VERT 1" = 20'



PLAN VIEW

SCALE: 1" = 200'



STRUCTURE 20
TYPE ST1

STRUCTURE 21
TYPE ST1

STR 20 AND 21: ARE EVERSOURCE TYPE ST1, SINGLE CIRCUIT STEEL POLE WITH DAVIT ARMS, TANGENT, DELTA CONFIG.

STRUCTURE DETAIL

SCALE: NTS

LEGEND:

- #21 STRUCTURE (WITH GUYS)
- STATE OF NEW HAMPSHIRE PROPERTY
- PROPERTY BOUNDARY
- 0161 LINE 115KV LINE, C of CONSTRUCTION
- LIMITS OF EVERSOURCE RIGHT OF WAY

STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
20	-71.47811825	43.04522960
21	-71.47948240	43.04480390

NESC 2012 VERTICAL CLEARANCE (FT) FROM TABLE 232.1	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	115kv
ROADS, STREETS AND OTHER AREAS SUBJECT TO TRUCK TRAFFIC	20.1
SPACES AND WAYS SUBJECT TO PEDESTRIAN OR RESTRICTED TRAFFIC ONLY	16.1

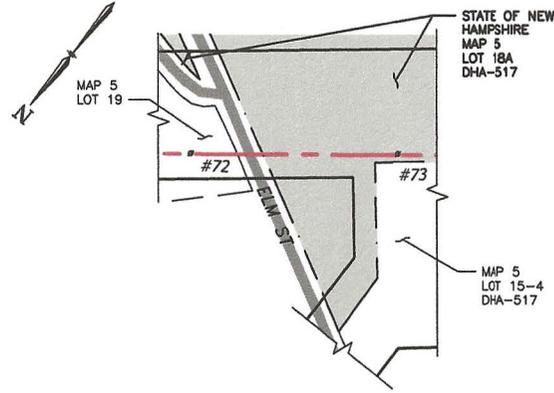
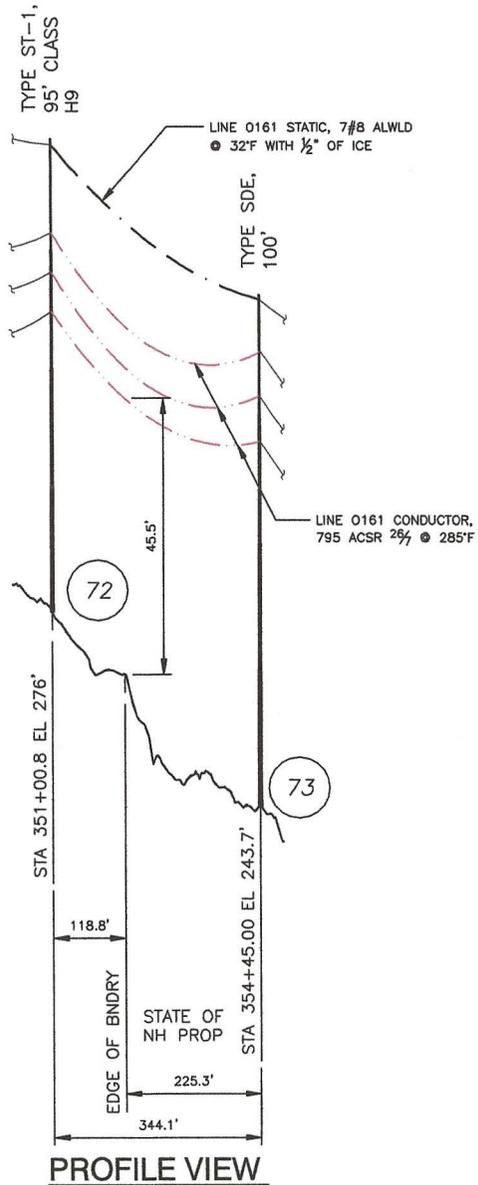
NOTES:

- ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- STATE LAND PROPERTY BOUNDARIES WERE TAKEN FROM NH GRANITE VIEW AND ARE APPROXIMATE.
- CORNER OF PROPERTY (STEEL REBAR) LOCATED BY EVERSOURCE SURVEY DEPARTMENT 04/10/20

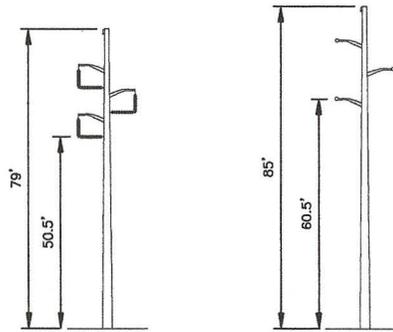
	T 1
	DRAWN GBS
	ENGINEER JRS
	CHECKED SDR
0161, 115kV LINE STATE OWNED LAND CROSSING, PLAN AND PROFILE HOOKSETT, NEW HAMPSHIRE EXHIBIT 2	
APPROVED JRS DATE 02/05/2020	
DRAWING NO. 016143502	

DWG REV	ISSUED FOR PERMIT	05/20	GBS	SDR	JRS	
1	ISSUED FOR PERMIT	05/20	GBS	SDR	JRS	
	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR

SCALE AS SHOWN	FILE: 016143502.DWG IMAGE:	DRAWING NO. 016143502
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PLAN VIEW



STRUCTURE 72
TYPE ST1
STR 72: IS A EVERSOURCE TYPE ST1, SINGLE CIRCUIT STEEL POLE WITH DAVIT ARMS, TANGENT, DELTA CONFIG.

STRUCTURE 73
TYPE SDE
STR 73: IS A ENGINEERED TYPE SDE, SINGLE CIRCUIT STEEL POLE WITH DAVIT ARMS, DEAD END TANGENT, DELTA CONFIG.

STRUCTURE DETAIL

SCALE: NTS

1	ISSUED FOR PERMIT	05/20	GBS	SDR	JRS
DWG REV	EPN/DESCRIPTION	COM/PEP	DATE	DRN	CHKD

LEGEND:

- #72 STRUCTURE
- STATE OF NEW HAMPSHIRE PROPERTY
- PROPERTY BOUNDARY
- 0741 LINE 115KV LINE, C. OF CONSTRUCTION
- LIMITS OF EVERSOURCE RIGHT OF WAY

STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
72	-71.56482978	43.01844848
73	-71.56562170	43.01784703

NESC 2012 VERTICAL CLEARANCE (FT) FROM TABLE 232.1	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	115kv
ROADS, STREETS AND OTHER AREAS SUBJECT TO TRUCK TRAFFIC	20.1
SPACES AND WAYS SUBJECT TO PEDESTRIAN OR RESTRICTED TRAFFIC ONLY	16.1

NOTES:

- ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- STATE LAND PROPERTY BOUNDARIES WERE TAKEN FROM NH GRANITE VIEW AND ARE APPROXIMATE.

EVERSOURCE ENERGY	0161, 115kV LINE STATE OWNED LAND CROSSING, PLAN AND PROFILE GOFFSTOWN, NEW HAMPSHIRE EXHIBIT 3	T 1
		DRAWN GBS ENGINEER JRS CHECKED SDR APPROVED JRS DATE 02/05/2020
SCALE AS SHOWN	FILED: 016143503.DWG IMAGE:	DRAWING NO. 016143503