



Via Certified Mail

October 13, 2015

Town of Bethlehem
2155 Main Street
Bethlehem, NH 03574

Re: Shoreland Permit Application – The Northern Pass Project

Dear Sir or Madam:

Enclosed please find a copy of the Shoreland Permit Application package that will be filed with the NH Department of Environmental Services (DES) and New Hampshire Site Evaluation Committee for the Northern Pass Project. The project includes work in or around rivers, lakes, streams ponds, etc. Under state law, it is a requirement to provide the municipalities and Local River Advisory Committees having jurisdiction over these waterbodies with a copy of the shoreland application by Certified mail, for review and comment. Please find attached a copy of the application, which proposes work within the protected shoreland of a public water or Designated River in your regulatory area.

Sincerely,

A handwritten signature in blue ink that reads 'Lee E. Carbonneau'.

Lee Carbonneau

Normandeau Associates, Inc.

As agent for Northern Pass Transmission, LLC.

**Shoreland Permit Application
Northern Pass
Miller Pond (Baker Brook Pond) Bethlehem, NH**

Prepared for
Northern Pass Transmission, LLC and
Public Service Company of New Hampshire
d/b/a Eversource Energy
Energy Park
780 Commercial Street
Manchester, NH 03101

October 2015

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DISCLOSURE STATEMENT

The data contained in all pages of this document have been submitted in confidence and contain trade secrets and/or privileged or confidential information, and such data shall be used or disclosed only for evaluation purposes, provided that if a contract is awarded to this proposer as a result of or in connection with the submission of this proposal, the client shall have the right to use or disclose the data herein to the extent provided in the contract. This document includes data that shall not be disclosed outside of the purposes of this submittal and shall not be duplicated, used, or disclosed--in whole or in part--for any purpose other than for evaluation purposes.

1.0 Shoreland Permit Application



Miller Brook Pond



SHORELAND PERMIT APPLICATION

Water Division/ Shoreland Program

Land Resources Management

Check the status of your application: <http://des.nh.gov/onestop>

RSA/Rule: RSA 483-B, Env-Wq 1400

Administrative Use Only	Administrative Use Only	Administrative Use Only	File Number:
			Check No.
			Amount:
			Initials:

This is an application for a permit to excavate, fill or construct new structures within the protected shoreland as regulated under RSA 483-B. For a complete list of activities that do not require a shoreland permit, view the shoreland program [frequently asked questions](#) (FAQ's)

Please type or print clearly. **Please note:** Application packages missing required elements will be returned to the applicant in their entirety, including the fee. Land Resources Management will include a letter identifying the missing elements and describing how to resubmit the application package to DES. Application packages that are accepted will proceed to technical review to ensure the applicant has fulfilled all requirements as specified by statute or rules. For more information visit the [New Land Resources Management Application Return Process](#) site located on the Shoreland Program Page.

1. PROPERTY OWNER

LAST NAME, FIRST NAME, M.I.: Public Service Co. of NH d/b/a Eversource Energy (PSNH), c/o Kevin McCune, Supervisor, Environmental Affairs Licensing and Permitting

ADDRESS: 780 Commercial Street

TOWN/CITY: Manchester

STATE: NH

ZIPCODE: 03101

PHONE: 603-669-4000

EMAIL: Kevin.mccune@eversource.com

2. PROJECT LOCATION

ADDRESS: 1108 Main Street (Route 302) and Rocks Edge Lane

TOWN/CITY: Bethlehem

STATE: NH

ZIPCODE: 03574

WATERBODY NAME: Miller Pond

TAX MAP: 201

LOT NUMBER: 28

3. CONTRACTOR OR AGENT

LAST NAME, FIRST NAME, M.I.: Carbonneau, Lee E.

ADDRESS: 25 Nashua Rd

TOWN/CITY: Bedford

STATE: NH

ZIPCODE: 03110

PHONE: 603-637-1150

EMAIL: lcarbonneau@normandeau.com

4. CRITERIA

Please check at least one of the following below:

- ☒ This shoreland permit application requires neither a proposal to make the property more nearly conforming nor a request for a waiver of a minimum standards.
- ☐ This shoreland permit application includes a proposal to make the structures and/ or the property more nearly conforming in accordance with RSA 483-B:11
- ☐ This shoreland permit application includes a request for a waiver of the following minimum standard(s)

5. PROJECT DESCRIPTION

Total Square feet of impact 45,266 Total square feet of new impervious area 19,892

shoreland@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, PO Box 95, Concord, NH 03303-0095

www.des.nh.gov

Provide a complete description of the proposed project. **A new high voltage transmission line will be constructed in an existing road ROW. The Bethlehem project area includes one Shoreland location along Miller Pond. Work in the Shoreland includes the underground installation of transmission cable in the ROW of Route 302, removal of a house, a new temporary gravel access road, and construction of a transition station, as shown in the project plans. The cable trench will be backfilled and trench and access roads will be restored.**

6. PERMIT APPLICATIONS SUBMITTED

Please indicate if applications for any of the permits listed below have been submitted or will need to be submitted:

- ☒ Wetlands Permit per RSA 482-A ☐ Individual Sewage Disposal System per RSA 485-A:29
☒ Alteration of Terrain Permit Per RSA 485-A:17 ☐ Subdivision Permit Per RSA 485-A:29

7. REFERENCE LINE ELEVATION (REQUIRED FOR LAKES, PONDS, AND ARTIFICIAL IMPOUNDMENTS)

Reference line elevations for most lakes, ponds and artificial impoundments greater than 10 acres in size are listed in the [Consolidated List of Waterbodies Subject to the Shoreland Water Quality Protection Act](#). Please see RSA 483-B:4, xvii for the definition of reference line.

The reference line for this waterbody is: 1090 Feet

8. SHORELAND FRONTAGE Shoreland frontage is the actual frontage along the waterfront measured at the reference line.

The shoreland frontage on this lot is : Linear Feet

☒ N/A – No Direct frontage on this lot

9. APPLICATION FEE

A non-refundable permit application fee of \$100 plus \$0.10 per total square foot of is required at the time the application is submitted. Fees are capped at \$750 for projects impacting less than 10,000 sq ft, \$1,875 for projects impacting between 10,000 and less than 25,000 sq ft, and \$3,750 for projects impacting 25,000 sq ft and greater. Please note that your application will not be considered complete if it does not include the appropriate fee. **Please make checks payable to the Treasurer, State of NH.**

10. CALCULATING THE TOTAL IMPACT AREA AND PERMIT APPLICATION FEE

Total impact area is calculated by determining the sum of all areas disturbed by regrading, excavation, filling, construction, and structure removal. Impacts often include, but are not limited to: constructing new driveways, constructing new structures, areas disturbed when installing a new septic system or foundation, creating temporary access roads for the purpose of installing a well and regrading associated with landscaping activities.

Total Area Impacted within 250 Of the Reference Line. = 45,266 (A) Square Feet

Multiply the total Impact Area By 10¢ and add \$100.00. [(A) X .10 + \$100.00] = **Exempt per 483-B:5-b III Permit Fee**

11. REQUIRED CERTIFICATIONS

By initialing within the blank before each of the following statements, and signing below, you are certifying that: to the best of my knowledge, the information provided is true, complete and not misleading.

☒ I understand that any permit or waiver granted based on false, incomplete, or misleading information shall be subject to revocation.

☒ I am aware that obtaining a shoreland permit will not exempt the work I am proposing from other state, local or federal approvals.

☒ I have notified the municipality or municipalities in which the proposed impacts are located and provided them with a complete copy of the application and all supporting materials on / / via certified mail.

 ☐ This project is within ¼ mi of a [designated river](#) (river name:) and I have notified the [Local River Management Advisory Committee](#) by providing them with a copy of the complete application, including all supporting materials, via certified mail on day: 16 month: 10 year: 2015 and I have included a copy of the certified mail receipt in the application submittal (RSA 482-A:3,i(d)(2))

☒ This project is **not** within ¼ mi of a designated river

N/A I have notified all abutters of the proposed impacts via certified mail as required by RSA 483-B:5-b, iv-a. (see definition of "abutter" on page (6)). **Exempt per RSA-483-B:5-b, IV (A)**

12. SIGNATURES (Both must sign per Env-Wq 1406.08)

OWNER NAME	See attached signature page	PRINT NAME LEGIBLY: Kevin McCune, PSNH d/b/a Eversource Energy	DATE: <input type="text"/>
APPLICANT NAME	See attached signature page	PRINT NAME LEGIBLY: Kevin McCune, PSNH d/b/a Eversource Energy Northern Pass LLC, c/o Robert P. Clarke, Project Director	DATE: <input type="text"/>

Please mail this application and all other attachments to the Department of Environmental Services Wetlands Bureau, PO Box 95, Concord NH 03302-0095. Missing information will delay processing of your application and may result in denial of a Shoreland Permit.

SHORELAND APPLICATION WORKSHEET

This form must be submitted to the Department of Environmental Services Wetlands Bureau accompanied with a Shoreland Permit Application. [Instructions for completing this form](#) are available on the shoreland program web page.

For the purposes of this worksheet, “**Pre-Construction**” impervious surface areas¹ means all human made impervious surfaces² currently in existence on the property, whether to be removed or to remain after the project is completed. “**Post-Construction**” impervious area means all impervious surfaces that will exist on the property upon completion of the project, including both new and any remaining pre-existing impervious surfaces. All answers shall be given in square feet.

CALCULATING THE IMPERVIOUS AREA WITHIN 250 FEET OF THE REFERENCE LINE			
	STRUCTURE DESCRIPTION	PRE-CONSTRUCTION IMPERVIOUS AREA	POST-CONSTRUCTION IMPERVIOUS AREA
PRIMARY STRUCTURE Include all <u>attached</u> decks and porches.	<u>Transition Station</u>	<u>0</u> FT ²	<u>16,528</u> FT ²
ACCESSORY STRUCTURES All other impervious surfaces excluding lawn furniture, well heads, and fences. Common accessory structures include, but are not limited to: driveways, walkways, patios and sheds.	<u>Existing roads, foundations</u>	<u>18,686</u> FT ²	<u>18,686</u> FT ²
	_____	_____ FT ²	_____ FT ²
	_____	_____ FT ²	_____ FT ²
	_____	_____ FT ²	_____ FT ²
	_____	_____ FT ²	_____ FT ²
	_____	_____ FT ²	_____ FT ²
TOTAL:		(A) 18,686FT²	(B) <u>35,214</u> FT²
Area of the lot located within 250 ft of reference line:			(C) <u>155,799</u> FT²

¹ “**Impervious surface area**” as defined in Env-Wq 1402.15 means, for purposes of the impervious surface limitation specified in RSA 483-B:9, V(g), the sum total of the footprint of each impervious surface that is located within the protected shoreland.

² “**Impervious Surface**” as defined in RSA 483-B:4, VII-b means any modified surface that cannot effectively absorb or infiltrate water. Examples of impervious surfaces include, but are not limited to, roofs, and unless designed to effectively absorb or infiltrate water, decks, patios, and paved, gravel, or crushed stone driveways, parking areas, and walkways.

Percentage of lot covered by pre-construction impervious area within 250 ft of the reference line: $[\text{divide (a) by (c)} \times 100]$	(D) 11.99 %
Percentage of lot to be covered by post-construction impervious area within 250 ft of the reference line upon completion of the project: $[\text{divide (b) by (c)} \times 100]$	(E) 22.60 %

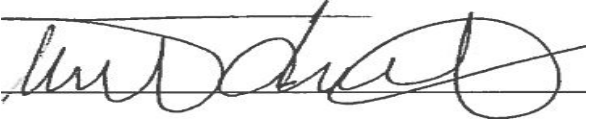
IMPERVIOUS AREA THRESHOLDS

DETERMINING IF A STORMWATER MANAGEMENT PLAN IS REQUIRED	
<input type="checkbox"/>	This project does not require a stormwater management plan because the proposed post-construction impervious area (Calculation E) is less than or equal to 20%.
<input checked="" type="checkbox"/>	This project requires a stormwater management plan because the proposed post-construction impervious area (Calculation E) is greater than 20%, but not greater than 30%. See Appendix H See details on the <i>Checklist of Required Items</i> on page 6
<input type="checkbox"/>	This project requires a stormwater management plan designed and certified by a professional engineer because the post-construction impervious area (Calculation E) is greater than 30%; and All waterfront buffer grid segment must meet at least the minimum required tree and sapling point score. See details on the <i>Checklist of Required Items</i> on page 6

UNALTERED STATE REQUIREMENT

CALCULATING THE AREA TO REMAIN IN AN UNALTERED STATE	
Total area of the lot between 50 ft and 150 ft of the reference line within which the vegetation currently exists in an unaltered state ³ (see definition below). If this area is completely altered, place a zero on line (F) and (I) and proceed to (J).	(F) 0

³ “**Unaltered State**” means native vegetation allowed to grow without cutting, limbing, trimming, pruning, mowing, or other similar activities except as needed for renewal or to maintain or improve plant health.

Total area of the lot between 50 ft and 150 ft from the reference line	(G) _____
At least 25 percent of the vegetation within area (G) must remain in an unaltered state. [.25 x G]	(H) _____
Place the smaller of line (F) and calculation (H) on this line. In order to remain compliant with RSA 483-B:9, V(b), this is the minimum area that must remain in an unaltered state between 50 ft and 150 ft from the reference line. This area must be represented on all plans.	(I) <u>0*</u>
Name of person who prepared this worksheet:	(J) <u>Tracy Coolidge</u>
Name and date of the plan this worksheet is based upon:	(K) <u>NHDES Shoreland Permit Application Plans, Miller Pond (Baker Brook Pond), Bethlehem 9/14/15</u>
SIGNATURE: 	DATE: 10/13/2015

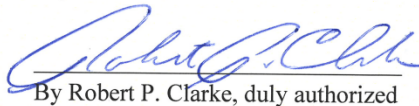
***Unaltered State-**

Vegetation in a public utility right-of-way and transition station must be maintained/ mowed regularly for safety and operational purposes. There will generally be little or no land in an unaltered state within an active transmission corridor, and therefore no calculations for this metric were performed. Furthermore, RSA 483-B:9 IV-b. states "Public utility lines and associated structures and facilities, public roads, and public water access facilities including boat ramps shall be permitted by the commissioner as necessary and consistent with the purposes of this chapter and other state law." In addition, RSA 483-B:2 XVI provides for economic development in proximity to waters.

Block 12. Signatories for NH Department of Environmental Services Shoreland Permit Applications

Applicant

1. Eversource Energy Service Corporation, as duly authorized agent for
Northern Pass Transmission LLC
Robert P. Clarke
Director, Transmission Business Operations
780 North Commercial Street
Manchester, NH 03101
Tel: 781-441-8057
Robert.Clarke@eversource.com



By Robert P. Clarke, duly authorized

Owner and Applicant

2. Eversource Energy Service Corporation, as duly authorized agent for
Public Service Company of New Hampshire d/b/a Eversource Energy
Kevin F. McCune
Supervisor, Environmental Affairs Licensing and Permitting
780 North Commercial Street
Manchester, NH 03101
Phone: 339-987-7020
Kevin.mccune@eversource.com



By Kevin F. McCune, duly authorized

2.0 Copy of Check for Application Fee

N/A, per RSA 483-B:5-b-III. Construction of public roads, public utility lines and associated structures and facilities, and public water access facilities shall be exempt from the permitting fees of paragraph I and the abutter notification requirements of paragraph IV-a.

3.0 Project Specific Work within the Protected Shoreland

The Northern Pass project area extends from the international border of Canada and the United States in Pittsburg, New Hampshire to Londonderry, New Hampshire. The Project will require work within the 250 foot protected shoreland of multiple waterbodies. This application includes information related to the work within an existing transmission ROW that intersects the Protected Shoreland of Miller Pond in Bethlehem, NH along the edge of the pond.

The Project seeks to take advantage of existing transmission and road ROW in order to minimize environmental and other impacts of the Project. The underground transmission line will be located in the Shoulder or roadway of Route 302 and should not require limbing or trimming of vegetation for installation as this area is already a maintained ROW.

Underground cables will be installed using a combination of construction techniques including direct bury of the cable, installation of the cable in a duct bank, or the use of trenchless technology (directional boring and jack and bore). These techniques result in cables being buried at different depths. Direct-buried cable is installed approximately four feet below grade. The depth of duct banks varies, but these will have at least 2.5 feet of cover. Cables installed via jack and bore will be approximately 10 to 15 feet below grade. Directional boring sections will be installed at a maximum depth of approximately 65 feet below grade, and will be used primarily for crossing under large perennial streams and rivers. Exact depths may be adjusted during final design. Jack and bore and directional bore require installation pits for construction. Direct bury and duct bank installations require permanent splice boxes or vaults spaced approximately every 1,800 feet to allow for maintenance.

3.1 Miller Pond (Baker Brook Pond)

Miller Pond in Bethlehem is at the border between the Overhead C1 portion of the project and the UG1 Underground Line portion of the Project. At this shoreland site Miller Pond is classified as a palustrine wetland with an unconsolidated bottom (PUB) and a fringe of emergent vegetation (PEM1). The shoreland of Miller Pond is owned by the Town of Bethlehem, and old camps are present on the north and east shore. Route 302 is also within the shoreland on the north side of the pond. The land adjacent to the ROW is residential and forested. The Natural Heritage Bureau identified one element occurrence within a half mile of this shoreland crossing. West of the established right of way, the Natural Heritage Bureau identified the S3, state species of special concern, *Glyptemys insculpta* (Wood Turtle) within a half mile of the protected shoreland buffer of Miller Pond. Care will be taken during all construction to avoid direct impacts to all reptiles. The Project continues to consult with NH Fish and Game regarding protected wildlife species.

The land in the vicinity of the project is Route 302, which is owned by the State of New Hampshire and is surrounded by residential and commercial lots. The existing PSNH ROW crosses Miller Pond, but the new Northern Pass line will not. Instead, it will approach the pond from the north, but then transition to an underground cable at Transition Station 5 adjacent to the ROW, and then head west under Route 302. A portion of the transition station, an access

road, and UG cable is within the shoreland. Work within the 250 foot shoreland buffer along 302 in Bethlehem will be trenching and associated work for placing the underground transmission line, construction of a temporary access road to the overhead ROW, and removal of a house and the construction of a transition station where the above ground line will transition to an underground cable, as detailed on the associated plan set (Appendix A). The transition station will be located on a semi-permeable gravel pad and fenced in. A stormwater management plan has been developed for this site, and is included in Appendix H. For all work within the shoreland buffer, tree stumps will be left in place except where structure excavation is needed, and shrub and herbaceous vegetation will be left undisturbed wherever possible.

Bethlehem Miller Pond Site	0'-50' Waterfront Buffer	50'-150' Natural Woodland Buffer	150'-250' Shoreland Buffer	Total Impacts at Shoreland
Temporary Impacts	1651 sq. ft. trenching	8,035 trenching	15,688 sq. ft. trenching	25,374 sq. ft. trenching
Permanent Impacts	0 sq. ft.	3,113 sq. ft., transition station	16,779 sq. ft. transition station	19,892 sq. ft. transition station.
Pre-Construction Impervious Surface Area	8,430 sq. ft.	16,867 sq. ft.	5,264 sq. ft.	30,561 sq. ft.
Post-Construction Impervious Surface Area	8,430 sq. ft.	17,012 sq. ft.	21,647 sq. ft.	47,089 sq. ft.

■ Appendix A Plans

■ Appendix B Property Deeds

Per recommendation of the NH Department of Environmental Services Shoreland Bureau, legal documents associated with easements and other property rights, including deeds, are being submitted separately via CD to NHDES. NPT will install underground transmission facilities pursuant to authority provided under RSA 231:160, et seq. for use of public highways for various utility purposes.

Attorney Client Communication
Privileged and Confidential



**NORTHERN PASS TRANSMISSION PROJECT
EASEMENT ABSTRACT FORM**

General Information:

Document Number: EEA 1265 Existing Line Number: X-178
Mile Sheet Number: 40 PSNH Easement Form Ref ID: N6019-1M-5-47-F
Other: _____
Grantor: Harry J. Bishop And Elizabeth L Bishop
Grantee: Public Service Company Of New Hampshire
Town/City & County: Bethlehem County: Grafton
Easement, Fee or Taking (Choose One): EASEMENT
Easement Configuration:
☒ A. Constant Width 225 Ft
☐ B. Metes & Bounds
☐ C. Other

Additional Comments: "Said 225' strip of land across the above described premises shall extend 75' westerly and 150' easterly of a line bounded and described as follows:"

Date of Instrument Execution: 10/3/1947 Book: 773 Page: 99

Joint Use Agreement:

NO (YES/NO)

Doc. Num: _____ Date of Instrument Execution: _____ Book: _____ Page: _____
Brief Description: _____

Reference Document:

YES (YES/NO)

Document(s) Referenced: EEA 1243

Additional Comments: For Correspondence

Applicable Rights:

1. **Overhead Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: _____
2. **Underground Rights:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: Not Expressly Prohibited
3. **Communication Rights:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: Not Expressly Prohibited
4. **Rights to Relocate or Rebuild Poles/Lines Within Easement Area:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: _____
5. **Rights to Install Suitable Foundations for the Support of Structures:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: _____
6. **Structures/Obstructions and/or Encroachments Prohibited in Easement:** ☒ Yes ☐ No ☐ N/A – Fee Parcel



NPT Easement Abstract

- Additional Comments: Right to Remove
7. **Right to Remove Structures/Obstructions and/or Encroachments in Easement:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: _____
8. **Express Rights of Access Across Grantors Remaining Lands (Off Easement):** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
9. **Rights to Install Access Roads Within Easement Area:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: Not Expressly allowed, but general access within the easement is implied
10. **Guy Wires/Support Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: _____
11. **Chemical Spray Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: Not Expressly Dissallowed
12. **Tree Trimming Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
☒ A. Within Easement
☒ B. Outside Easement (danger to facilities)
☐ C. Wood Belongs to Property Owner
☒ D. Wood Belongs to PSNH
Additional Comments: _____
13. **Right to Prohibit Grading or Excavation:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
14. **Assignable:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: “...its successors and assigns forever...”

Applicable Limitations:

1. **Number of Overhead and Underground Line Limitations:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
____ Wood or Steel Poles
____ ☐ AND/ ☐ OR (check one) Towers
____ ☐ AND/ ☐ OR (check one) Underground
Additional Comments: _____
2. **Voltage and or Limits Classification:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
3. **Height Elevation Limits:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
4. **Wires Only/No Structures:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
5. **Crop Damage Liability:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____



NPT Easement Abstract

6. **Reserved Grantor Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel

If yes see Additional Easement Rights/Limitations below.

7. **Time Limitation:** ☐ Yes ☒ No ☐ N/A – Fee Parcel

Additional Comments: _____

Comments/Remarks:

Additional Easement Rights/Limitations: “It is agreed that if the line on said right of way causes excessive radio interference at the present Bishop Homestead, that radio-proof insulators or their equivalent shall be installed by the grantee at the road crossing.”

Property Comments: _____

Created By (C&C): WFR 8/23/2010

Checked By (C&C): GMN 1/8/2011

Legal Reviewed By: RMW/KMB 02/01/2011

Approved By (NPT): _____

For Correspondence
See EAA-1243

4000-60

EAA-1265

KNOW ALL MEN BY THESE PRESENTS

That Harry J. Bishop and Elizabeth L. Bishop

of Bethlehem County of Grafton

in the State of New Hampshire (hereinafter called the grantor) in consideration of one dollar and other valuable considerations paid by the Public Service Company of New Hampshire, a corporation having a principal place of business at Manchester, in the County of Hillsborough, and the State of New Hampshire (hereinafter called the grantee), the receipt whereof is hereby acknowledged, do hereby give, grant, bargain, sell and convey unto the grantee, its successors and assigns, the right to erect, repair, maintain, rebuild, operate and patrol electric transmission and distribution lines, consisting of suitable and sufficient poles and towers, with suitable foundations, together with wires strung upon and extending between the same, for the transmission of electric current, together with all necessary cross-arms, braces, anchors, wires and guys, over and across a strip of land 225 feet in width being a part of the lands owned by the grantor in the town of Bethlehem and county of Grafton, bounded and described as follows:

Lot 10 Range 3 in Concord Gore.

Being a part of the same premises described in deed of Harry J. Bishop
to Elizabeth L. Bishop dated October 25, 1946 and recorded in
the Grafton County Registry of Deeds, Book 745
Page 75

Said 225 foot strip of land across the above described premises shall extend
..... 75 feet westerly and 150
feet easterly of a line bounded and described as follows:

Beginning at a point in the wire fence on the northerly boundary
of above described premises, said point of beginning being 875 feet
northwesterly along said fence from the northeast corner of said
premises; thence running S35°30'W 5161 feet to a point in the stone
wall on the southerly boundary at land of Glessner, containing 26.8
acres, more-or-less.

Meaning and intending to include and only to include all that part
of the above described premises that lies 75 feet westerly and 150
feet easterly of said line or said line extended.

It is agreed that if the line on said right of way causes excessive
radio interference at the present Bishop Homestead, that radio-proof
insulators or their equivalent shall be installed by the grantee
at the road crossing.



This conveyance shall include (1) the right to cut, trim and remove all trees and underbrush, and to remove all structures or obstructions, which are now or may hereafter be found within the limits of the above described right of way strip and (2) the right to remove from the premises of the grantor above described such trees as in the judgment of the grantee may interfere with or endanger said lines or their operation.

In consideration aforesaid, the grantor, on behalf of the grantor and the heirs, legatees, devisees, administrators, executors, successors and assigns of the grantor, agrees that all timber and wood on the above described strip cut by the grantee shall become the property of the grantee.

And the parties hereto, by delivering and accepting this deed, agree that all agreements, understandings and negotiations, written or verbal, heretofore made or entered into by the parties hereto or their representatives with respect to this conveyance are hereby waived and cancelled, and that there are no agreements, promises, representations or understandings with respect to this conveyance not herein mentioned.

To have and to hold to the grantee, its successors and assigns forever.

The grantor covenants and agrees that they have full right, title and authority to convey the foregoing rights and privileges and will defend same to said grantee against the lawful claims or demands of all persons.

And I, Elizabeth L. Bishop, wife of said Harry J. Bishop, hereby release all my rights of dower in the foregoing premises so far as affected by this conveyance.

And I, Harry J. Bishop, husband of said Elizabeth L. Bishop, hereby release all my rights of curtesy in the foregoing premises so far as affected by this conveyance.

WITNESS our hands and seals this 3rd day of Oct, 1947

In the presence of

R. Emory Smith
R. Emory Smith

Harry J. Bishop
Elizabeth L. Bishop

The State of New Hampshire

Grafton SS.
Oct. 3 1947

Harry J. Bishop
Elizabeth L. Bishop

personally appeared and acknowledged the foregoing instrument to be their voluntary act and deed Before me.

R. Emory Smith
 Justice of the Peace
 Notary Public



appeared and acknowledged the foregoing instrument
 voluntary act and deed.

Justice of the Peace
 Notary Public

*This title is
completed*

PIKE AND ALDRICH
ATTORNEYS AND COUNSELLORS AT LAW
LISBON, NEW HAMPSHIRE

GEORGE W. PIKE
BERYLE M. ALDRICH

September 13, 1947.

Public Service Company of N. H.
Lisbon, N. H.

Gentlemen:

Title of

HARRY J. BISHOP and ELIZABETH L. BISHOP

Bethlehem, N. H. Lot 10 R. 3,
Concord Gore

Quitclaim deed: Harry J. Bishop to Elizabeth L. Bishop "as joint tenant with right of survivorship", an undivided one-half interest, "the same to be held in joint tenancy with me, and with the right of survivorship, as to my undivided one-half interest and that of the grantee herein conveyed", etc. Deed is dated Oct. 25, 1946, recorded in Grafton Registry, Lib. 745, Fol. 75. This conveys a joint tenancy title, and is for an undivided half of the same deeded to Harry J. by Harry J. Bishop, Charles A. Bishop and Henry E. Richardson, Trustees under the will of Edward E. Bishop, dated Jan. 31, 1930, recorded Lib. 617, Fol. 310.

Quitclaim deed: Harry J. Bishop, Charles A. Bishop and Henry E. Richardson, Trustees under will of Edward E. Bishop to Harry J. Bishop, dated Jan. 31, 1930, recorded Lib. 617, Fol. 310. There is no description in this deed whatever, but it refers to four deeds, with books and pages. I looked up the four deeds, and found only one which this right of way seems to go over, - Mary A. Brown and Harriet Baker to Edward E. Bishop, referred to below. This deed says it is all and the same deeded the E.E. Bishop Company by Edward E. Bishop and wife, Jan. 15, 1912, recorded Lib. 504, Fol. 279. (see abstract)

Quitclaim deed: Edward E. Bishop to E.E. Bishop Company, dated January 15, 1912, recorded Lib. 504, Fol. 279. Says grantee is a corporation, established under laws of New Hampshire. It conveys all his right, title and interest in the same property described in deeds above referred, - viz. Harry J. to Elizabeth L., and Trustees to Harry J. Bishop, and refers to the same four deeds.

Warranty deed: E. E. Bishop Company to Harry J. Bishop, Charles A. Bishop and Henry E. Richardson, "Trustees under the will of Edward E. Bishop". This is dated Jan. 31, 1930, recorded Lib. 617, Fol. 377. Conveys all real estate owned by Bishop Company in Bethlehem, same deeded to the Company by Edward E. Bishop, recorded 504-279, dated Jan. 15, 1912. This deed

PIKE AND ALDRICH
ATTORNEYS AND COUNSELLORS AT LAW
LISBON, NEW HAMPSHIRE

GEORGE W. PIKE
BERYLE M. ALDRICH

Sept. 13, 1947

Public Service Company of N. H. #2

Harry J. and Elizabeth L. Bishop title

says that "at a duly called meeting of all of the stockholders of the E.E.Bishop Company, held in Littleton, New Hampshire, on January 31, 1930, it was unanimously voted to sell and convey the above described property of the said company, and the President of said Company was duly authorized to execute and deliver to the purchaser thereof good and sufficient indentures for the same." H. J. Bishop, President, signed the deed.

Warranty deed: Mary A. Brown and Harriet M. Baker, "heirs of Reubin Baker, late of Bethlehem, deceased", to Edward E. Bishop, dated Mar. 2, 1889, recorded Lib. 397, Fol. 148. This deed conveys Lot numbered 10 in the third range and third division of lots being in the part known as Concord Gore, excepting and reserving tract of about 25 acres, etc. See abstract of this deed. The exception is more particularly described in deed Horace White to Reuben Baker, June 1, 1833, which is referred to on the abstract of Brown and Baker deed to Bishop.

I find no undischarged mortgages, or attachments back to 1912.

Yours very truly,

Pike and Aldrich

By *Beryl M. Aldrich*

BMA

Abstracts

ABSTRACT OF TITLE

OFFICE OF PIKE AND ALDRICH, LISBON, N. H.

<p>GRANTOR Harry J. Bishop, Charles A. Bishop and Henry E. Richardson, as Trustees under the will of Edward E. Bishop</p> <p>GRANTEE Harry J. Bishop</p> <p>WITNESSES 2</p>	<p>CHARACTER Quitclaim deed</p> <p>DATE OF DEED Jan. 31, 1930</p> <p>DATE OF ACKNOWLEDGMENT Same</p> <p>DATE OF RECORD Mar. 10, 1930</p> <p>BOOK 617 PAGE 310</p> <p>DOWER RELEASED None</p> <p>CON. \$ 1.00 and other val. cons. SEALS</p> <p>BEFORE Harry Bradley, Michigan, and Harry L. Heald, N. H. REGR.</p>
--	--

DESCRIPTION

All our right, title and interest, in certain tracts or parcels of land, with buildings, situate in Bethlehem, which are more fully bounded and described in the following deeds:

*Lot 10 & 3
Concord Gore*

Mary A. Brown and Harriet Baker to Edward E. Bishop, Mar. 2, 1889, recorded 397-148;

Huntton and wife to Bishop, Aug. 6, 1901, recorded 454-26;

Julia C. Noyes to Bishop, Aug. 25, 1903, recorded 462-587;

Calvin Page et al, Trustees of Frank Jones to Bishop, Sept. 7, 1905, recorded 460-578.

Meaning the same deeded the E.E. Bishop Company by Edward E. Bishop and wife, January 15, 1912, recorded 504,-279.

(Also personal property)

Meaning hereby to convey to Harry J. Bishop, all real and personal property, its business and good will, of the E.E. Bishop Company in Bethlehem, or elsewhere in the State of New Hampshire.

N. B. Nothing in above deed seems to apply, except Brown and Baker to Bishop, which is Lot 10 in third range, Concord Gore.

ABSTRACT OF TITLE

OFFICE OF PIKE AND ALDRICH, LISBON, N. H.

GRANTOR Mary A. Brown and Harriet M. Baker, heirs of Reubin Baker, late of Bethlehem, deceased, Mary being widow, Harriet single woman GRANTEE Edward E. Bishop WITNESSES Yes	CHARACTER Warranty deed DATE OF DEED Mar. 2, 1889 DATE OF ACKNOWLEDGMENT Same DATE OF RECORD Mar. 5 BOOK 397 PAGE 148 DOWER RELEASED CON. \$ 1800. 2 SEALS BEFORE A.S. Batchelder, J of P. <div style="text-align: right;">REGR.</div>
--	---

DESCRIPTION

Certain tract of land, in Bethlehem, Grafton County, being Lot numbered 10 in the third range and third division of Lots in said Bethlehem being in the part of the town known as Concord Gore.

See below ← Excepting and reserving a tract of about 25 acres heretofore conveyed to one David Bean and now a part of the Swasey farm.

Meaning and intending to convey the same premises conveyed to our father Reubin Baker by Horace White deed June 21, 1833, recorded Lib. 126 Fol. 434; Excepting Lib. (means "lot") No. 10 in the Second Range and third division known as Concord Gore.

Warr. deed, Horace White
To
Reuben Baker

Dated June 1, 1833
Recorded Lib. 126 Fol. 434.

Lot No. 10 in third range and third division or Concord Gore, being all of said lot except 25 acres lying in the southeast corner sold by my father Benjamin White deceased to David Bean to which deed reference is made for boundaries and a more particular description containing by estimation 75 acres.

(Also Lot 10 second and third range and third division or Concord Gore)

Attorney Client Communication
Privileged and Confidential



**NORTHERN PASS TRANSMISSION PROJECT
EASEMENT ABSTRACT FORM**

General Information:

Document Number: EAA 2478 Existing Line Number: X-178
 Mile Sheet Number: _____ PSNH Easement Form Ref ID: Other
 Other: _____
 Grantor: Baker Brook Cabins, Inc.
 Grantee: Public Service Company Of New Hampshire
 Town/City & County: Bethlehem County: Grafton
 Easement, Fee or Taking (Choose One): EASEMENT
 Easement Configuration:
☒ A. Constant Width 40 Ft
☐ B. Metes & Bounds
☐ C. Other

Additional Comments: "...said 40' strip is westerly and adjacent to the 225' ROW strip deeded to PSNH 10/3/1947 recorded in BK 773, Pg. 99..."

Date of Instrument Execution: 10/9/1952 Book: Not Indicated Page: 308

Joint Use Agreement:

NO (YES/NO)

Doc. Num: _____ Date of Instrument Execution: _____ Book: _____ Page: _____
 Brief Description: _____

Reference Document:

NO (YES/NO)

Document(s) Referenced: _____
 Additional Comments: _____

Applicable Rights:

1. **Overhead Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
 Additional Comments: _____
2. **Underground Rights:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
 Additional Comments: Not Expressly Prohibited
3. **Communication Rights:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
 Additional Comments: Not Expressly Prohibited
4. **Rights to Relocate or Rebuild Poles/Lines Within Easement Area:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
 Additional Comments: _____
5. **Rights to Install Suitable Foundations for the Support of Structures:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
 Additional Comments: _____
6. **Structures/Obstructions and/or Encroachments Prohibited in Easement:** ☒ Yes ☐ No ☐ N/A – Fee Parcel



NPT Easement Abstract

- Additional Comments: Right to Remove
7. **Right to Remove Structures/Obstructions and/or Encroachments in Easement:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: _____
8. **Express Rights of Access Across Grantors Remaining Lands (Off Easement):** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
9. **Rights to Install Access Roads Within Easement Area:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: Not Expressly Allowed, but general access within the easement is implied.
10. **Guy Wires/Support Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: _____
11. **Chemical Spray Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: _____
12. **Tree Trimming Rights:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
☒ A. Within Easement
☒ B. Outside Easement (danger to facilities)
☒ C. Wood Belongs to Property Owner
☐ D. Wood Belongs to PSNH
Additional Comments: _____
13. **Right to Prohibit Grading or Excavation:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
14. **Assignable:** ☒ Yes ☐ No ☐ N/A – Fee Parcel
Additional Comments: "...its successors and assigns forever..."

Applicable Limitations:

1. **Number of Overhead and Underground Line Limitations:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
____ Wood or Steel Poles
____ ☐ AND/ ☐ OR (check one) Towers
____ ☐ AND/ ☐ OR (check one) Underground
Additional Comments: _____
2. **Voltage and or Limits Classification:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
3. **Height Elevation Limits:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
4. **Wires Only/No Structures:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____
5. **Crop Damage Liability:** ☐ Yes ☒ No ☐ N/A – Fee Parcel
Additional Comments: _____



NPT Easement Abstract

6. **Reserved Grantor Rights:** ☐ Yes ☒ No ☐ N/A – Fee Parcel

If yes see Additional Easement Rights/Limitations below.

7. **Time Limitation:** ☐ Yes ☒ No ☐ N/A – Fee Parcel

Additional Comments: _____

Comments/Remarks:

Additional Easement Rights/Limitations: _____

Property Comments: _____

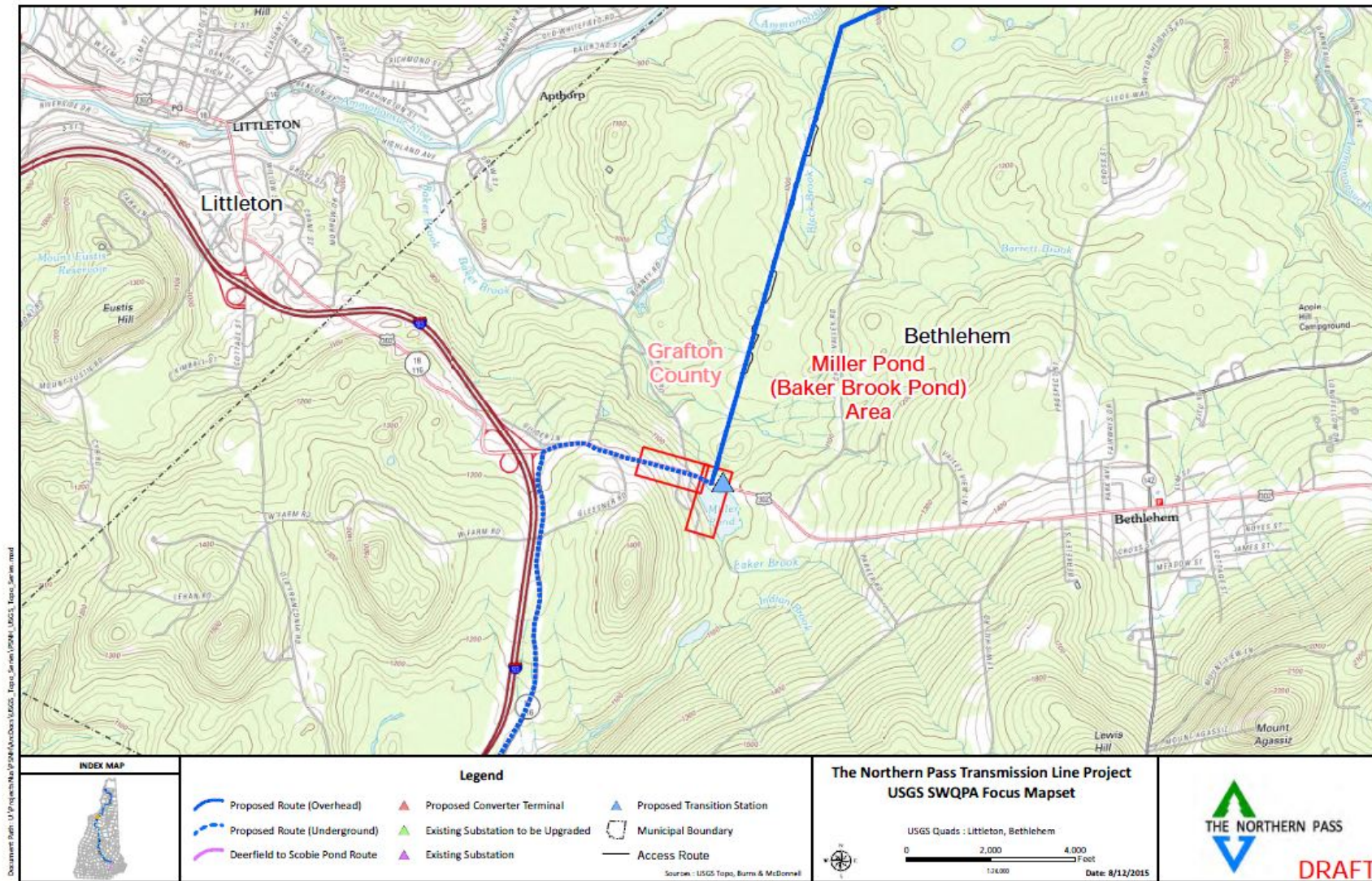
Created By (C&C): MLS 11/11/11

Checked By (C&C): HOG 12/14/2011

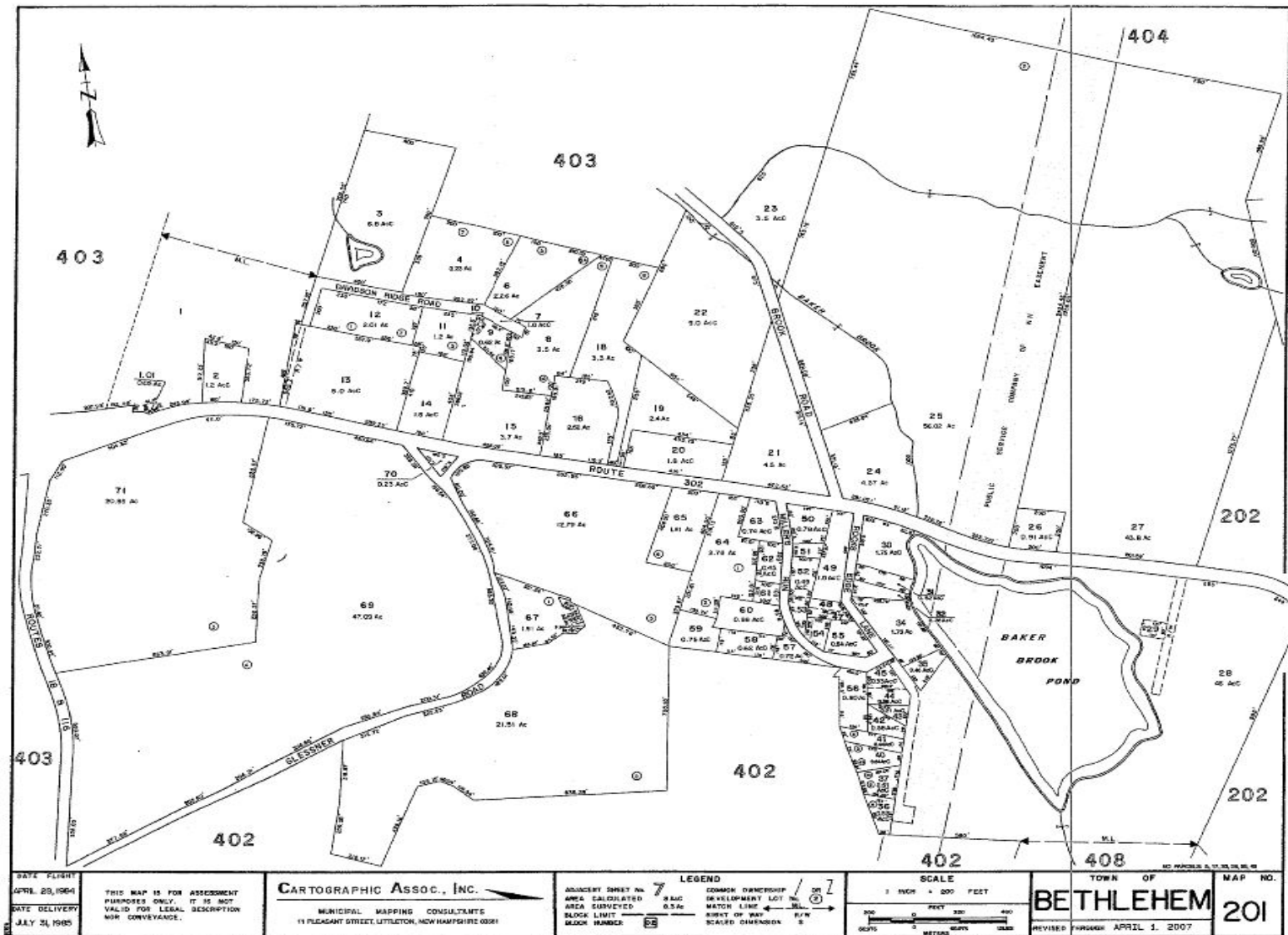
Legal Reviewed By: DJCallaghan 1/24/2012

Approved By (NPT): _____

■ Appendix C USGS Locus Map



■ Appendix D NH Tax Maps



■ Appendix E Representative Photos



Photo 1. The portion of the proposed Transition station 5 site in Bethlehem, NH in the protected shoreland, looking west along Route 302. Miller Pond is just out of the photo to the left.



Photo 2. This view is east along Route 302. The new cable will be underground in the road and will connect to the transition station site just beyond the existing transmission line on the north side of the road.

■ Appendix F

NHB Report and Correspondence



NEW HAMPSHIRE NATURAL HERITAGE BUREAU

DRED - DIVISION OF FORESTS & LANDS

PO Box 1 856 -- 1 72 PEMBROKE ROAD, CONCORD, NH 03302-1 856

(603) 271 -221 4

To: William McCloy, Normandeau Associates, Inc.

From: Melissa Coppola, Environmental Information Specialist

Date: March 30, 2015

Subject: Northern Pass Database Request (NHB15-0611)

This memo is to confirm that Normandeau Associates have coordinated with the NH Natural Heritage Bureau (NHB) regarding information on known locations of rare species and exemplary natural communities for the Northern Pass project.

Due to the size and scope of the project, NHB is not providing a typical NHB review memo for permitting. Instead, this memo summarizes information provided by NHB to date, and notes that specific recommendations should be developed after project plans are close to being finalized:

- Normandeau was provided with digital data for the project under a data-sharing agreement dated 1/16/15 (397 digital NHB records). This is the sixth data-sharing agreement Normandeau has requested for this project: others were provided in 2010, 2011, 2012, 2013, and 2014 for project planning and ecological impact studies. NHB has also reviewed work plans associated with plant and community survey methodology on several occasions, including a meeting on 6/18/10.
- At the request of NHB, Normandeau consultants have conducted rare plant and natural community surveys within the proposed project area. If the project area extends to new locations, or new concerns are identified, additional surveys may be requested.
- As the project progresses and impacts areas are further clarified, Normandeau should set up a meeting with NHB staff to discuss avoiding and minimizing impacts to rare plant species and exemplary natural communities.



New Hampshire Natural Heritage Bureau

DRED - Division of Forests & Lands
172 Pembroke Road, Concord, NH 03301
(603) 271-2214

To: Lee Carbonneau, Normandeau Associates, Inc.
From: Amy Lamb, Ecological Information Specialist
Date: October 5, 2015
Subject: Northern Pass Pre-Application Meeting Summary (NHB15-0611)

On March 30, 2015, Melissa Coppola issued a NH Natural Heritage Bureau (NHB) memo (NHB15-0611) to Normandeau Associates, Inc. that listed Threatened and Endangered species populations that will potentially be impacted by the proposed Northern Pass project. Since that date, NHB and Normandeau have met on several occasions to discuss project impacts, avoidance and minimization measures, route changes, and the remaining survey work to be completed.

This memo summarizes the most recent pre-application meeting, which took place on October 1, 2015. This meeting was held in order to review current rare plant and natural community information, refine avoidance and minimization measures, and determine additional steps to be taken in preparation for permit application submittal at the end of October, 2015.

The meeting resulted in the following determinations regarding data and documentation:

- NHB last provided digital data to Normandeau in February of 2015, and will continue to provide any new data (i.e., new plant surveys within the project area) as they become available.
- Normandeau will provide the final reports on Vegetation and Threatened and Endangered species to NHB upon completion.
- Normandeau will provide NHB a table summarizing the anticipated impacts to all rare plants and exemplary natural communities within the selected corridor. This table will distinguish between the different types of impacts and their resulting (long-term) effects on rare plants and exemplary natural communities.

- Any reports that are filed as publicly available information will not contain specific locations of rare plants; this information will be restricted to an appendix and treated as confidential, and will be removed from publicly available reports.
- The rare plant avoidance and minimization measures that the applicant has proposed were developed in consultation with NHB. NHB will provide additional species-specific avoidance and minimization guidance during the permit review period. This will consist of a table with prioritized actions for each species.
- As any new areas for access, staging, etc. become known, Normandeau (or any subsequent contractor) will conduct rare plant surveys in the areas and provide the results to NHB.
- Normandeau identified Lee Carboneau as the point person for future Natural Heritage communications, and the NHB point person will be Amy Lamb.

The meeting also resulted in the determination of several measures to avoid and minimize impacts to Natural Heritage resources during construction:

- Meetings will be held among contractors, environmental monitors, and inspectors, prior to contractors working in or near areas where listed plants are located, that will include making contractors aware of sensitive areas and the appropriate best management practices for each area.
- Plans that are provided to contractors will contain a color-coded bar indicating the extent of a sensitive area; no further information will be revealed on such plans.
- Normandeau (or any subsequent contractor) will have "Sensitive Area" signs installed around rare plant populations and exemplary natural communities to alert work crews to their presence.
- It was agreed that it is critical that environmental monitors have the power and authority to stop work immediately if they become aware that any action will violate agreed-upon BMPs.
- NHB will make a recommendation to NHDES regarding qualifications of Environmental Monitors, to be included as a permit condition.

NHB and Normandeau will continue to communicate as the project progresses, in particular as any route changes or new impacts to rare plants become known.

Northern Pass has coordinated with the NH Natural Heritage Bureau (NH NHB) since 2010 to obtain information on known locations of rare species and exemplary natural communities within a half mile of the Northern Pass Project. Normandeau Associates was provided with a digital data set for known locations. Based on the information provided by NHNHB and additional desktop research, Normandeau Associates prepared and implemented a work plan for field surveys for rare plant and natural community surveys. This work plan was approved by the NH NHB.

Within a half mile of the Protected Shoreland of the Miller Pond (Baker Brook) in Bethlehem, NH there is one element occurrence identified by NHB. West of the established right of way, NHB identified the S3, state species of special concern, *Glyptemys insculpta* (Wood Turtle) within a half mile of the Protected Shoreland Buffer of Miller Pond.

■ Appendix G

Certified Mail Notifications and Receipts

N/A for abutters (Waiver for public utility lines exempt per RSA-483-B:5-b, IV (A))

Via Certified Mail

October 14, 2015

Town of Bethlehem
2155 Main Street
Bethlehem, NH 03574

Re: Shoreland Permit Application – The Northern Pass Project

Dear Sir or Madam:

Enclosed please find a copy of the Shoreland Permit Application package that will be filed with the NH Department of Environmental Services (DES) and New Hampshire Site Evaluation Committee for the Northern Pass Project. The project includes work in or around rivers, lakes, streams ponds, etc. Under state law, it is a requirement to provide the municipalities and Local River Advisory Committees having jurisdiction over these waterbodies with a copy of the shoreland application by Certified mail, for review and comment. Please find attached a copy of the application, which proposes work within the protected shoreland of a public water or Designated River in your regulatory area.

Sincerely,



Lee Carbonneau
Normandeau Associates, Inc.
As agent for Northern Pass Transmission, LLC.

■ Appendix H Stormwater Management Plan
