



Via Certified Mail

October 14, 2015

Town of Dalton
756 Dalton Road
Dalton, NH 03598

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
John's River, Dalton, 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



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: Multiple, Faraway Rd. and Meadow Mist	TOWN/CITY: Dalton	STATE: NH	ZIPCODE: 03598
WATERBODY NAME: John's River	TAX MAP: 413	LOT NUMBER: 71,66	
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:			
<input checked="" type="checkbox"/> 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.			
<input type="checkbox"/> 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			
<input type="checkbox"/> This shoreland permit application includes a request for a waiver of the following minimum standard(s)			
5. PROJECT DESCRIPTION			
Total Square feet of impact 7,710 Total square feet of new impervious area 13			

shoreland@des.nh.gov or (603) 271-2147
NHDES Wetlands Bureau, PO Box 95, Concord, NH 03303-0095
www.des.nh.gov

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: _____
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: _____

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>Transmission structure foundations</u>	7 FT ²	20 FT ²
ACCESSORY STRUCTURES	_____	_____ FT ²	_____ FT ²
All other impervious surfaces excluding lawn furniture, well heads, and fences.	_____	_____ FT ²	_____ FT ²
Common accessory structures include, but are not limited to: driveways, walkways, patios and sheds.	_____	_____ FT ²	_____ FT ²
	_____	_____ FT ²	_____ FT ²
	_____	_____ FT ²	_____ FT ²

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.

	_____	_____ FT ²	_____ FT ²
	TOTAL:	(A) <u>7</u> FT²	(B) <u>20</u> FT²
Area of the lot located within 250 ft of reference line:			(C) <u>167,648</u> FT²
Percentage of lot covered by pre-construction impervious area within 250 ft of the reference line: <i>[divide (a) by (c) x 100]</i>			(D) <u>0.004</u> %
Percentage of lot to be covered by post-construction impervious area within 250 ft of the reference line upon completion of the project: <i>[divide (b) by (c) x 100]</i>			(E) <u>0.01</u> %

IMPERVIOUS AREA THRESHOLDS

DETERMINING IF A STORMWATER MANAGEMENT PLAN IS REQUIRED
<input checked="" 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 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 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) <u>0</u>

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 Johns River Dalton 9/14/2015</u>
SIGNATURE: 	DATE: <u>10/13/2015</u>

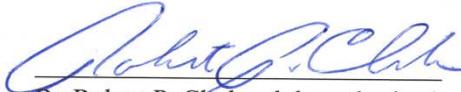
***Unaltered State section-**

Vegetation in a public utility right-of-way 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 Protected Shoreland of multiple waterbodies. This application includes information related to the work within the Protected Shoreland of the John's River in Dalton, NH.

The Project has sought to take advantage of existing transmission and road ROW in order to minimize environmental and other impacts of the Project. There are areas within the existing ROW where vegetation is greater than 20 feet tall, or tree branches have extended into the cleared ROW. This vegetation must be cut or trimmed for construction and line clearance reasons. There are also locations where existing electric lines must be relocated. In these areas, the existing 115 kV transmission lines and 34.5 kV distribution lines will be relocated within the ROW to create room for the Project facilities.

Unless there is clearance or other safety issues, the proposed temporary access roads will follow existing access roads or ATV paths currently in the ROW, and will cross wetlands and small streams at their current locations. On average, temporary access roads will be about 16 feet in width at the surface, but may be up to 20 feet wide at the base, if temporary grading or fill is needed. Access roads in upland areas are proposed to remain in use until the end of Project construction. Construction work pads may require grading and/or gravel fill so they provide a level surface for construction equipment, such as cranes. Construction pads will be restored and revegetated after construction.

Northern Pass proposes to use lattice steel, tubular steel monopole and tubular steel H-Frame (AC line) structures. These structures will range in height from roughly 50 to 155 feet. Average heights vary from approximately 80 to 130 feet. The lattice steel configuration will have an approximate base dimension of 30 feet by 30 feet, tapering to a six foot by five foot column half way up the structure. Lattice structures will be anchored to four concrete foundations at the corners of the base, approximately three to five feet in diameter. Tubular steel monopole configurations will be around five to ten feet in diameter at the base, tapering to approximately one to two feet in diameter at the top. These structures will be anchored to concrete foundations approximately seven to twelve feet in diameter. The tubular steel H-Frame structures will replace the existing transmission structure in the ROW. The H-frame consists of two smaller vertical poles connected near the top of the structure with a cross-arm, making them resemble the capital letter "H." H-Frame structures may be installed by direct embed or in concrete foundations. Concrete foundations for the H-Frame structures may be approximately three to four feet in diameter, while the direct embed foundations will consist of placing a portion of the vertical poles into a three to four foot diameter hole and backfilling the hole with either native material, crushed rock, or a mixture of the two, which will be compressed to provide a rigid support system. During the detailed design process, other foundation designs might be considered based on their capacity to improve constructability, reduce environmental impacts or achieve other benefits.

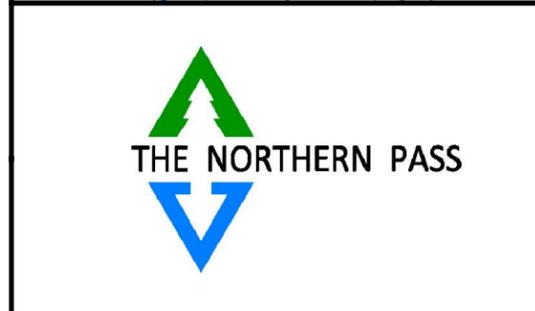
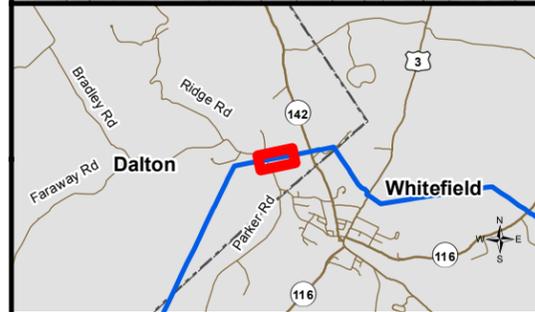
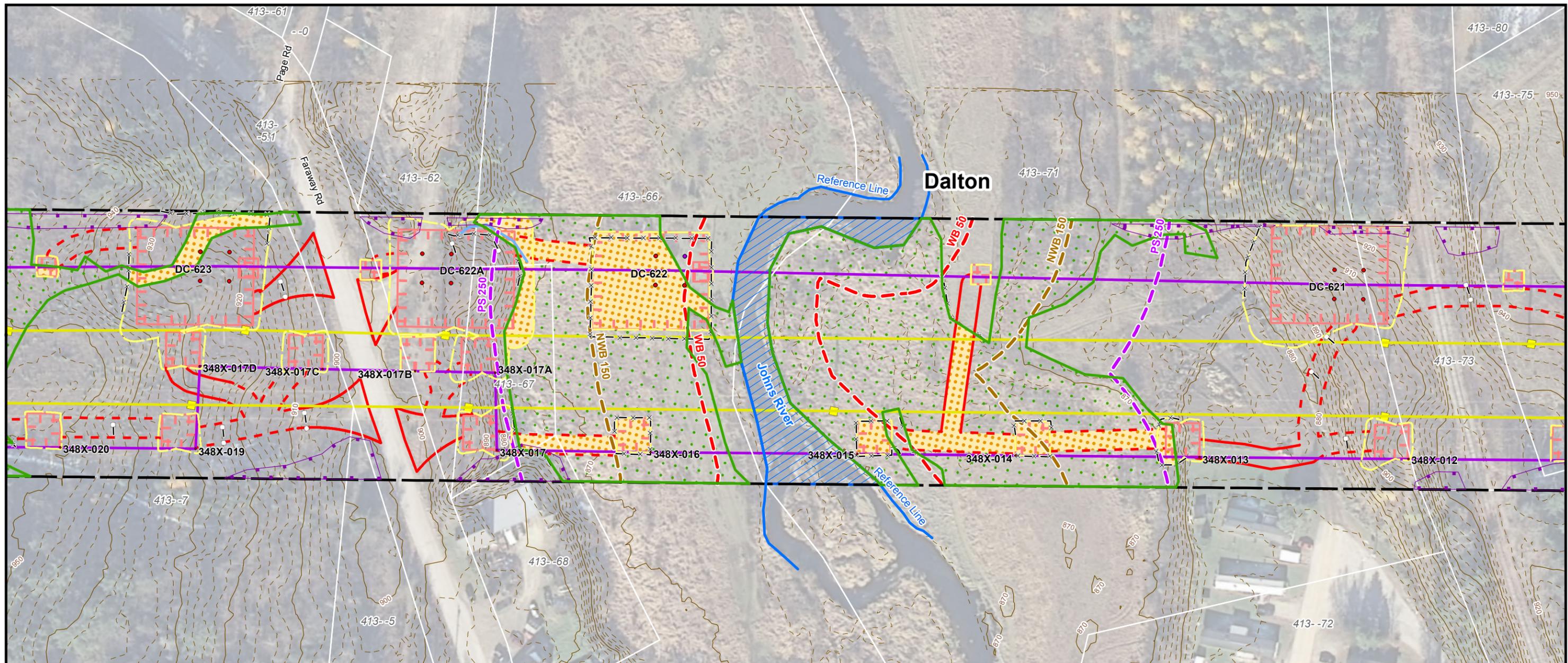
3.1 John's River

John's River in Dalton is part of the C1 Overhead Line portion of the Project. John's River is a large meandering fifth order River (classified as R2UB1) with an unconsolidated bottom composed of cobble and gravel. At the Shoreland crossing the River is approximately 33 feet wide. The 14 acre parcel on the eastern shore of the river at the Shoreland crossing is owned by Wendell and Marilyn Rexford, who also own the 8 acre parcel of land on the western shore of the river.

The land in the vicinity of the crossing is primarily wetland and shrubby field. Permanent impacts will result at this site from the installation of one new lattice structure (Appendix A). A construction vehicle access road and construction pads will create temporary impacts to the buffer zones on both sides of the river. Erosion control will be installed on both shores to prevent impacts to the river, and the temporarily disturbed areas will be restored. In addition, 1,162 square feet of tree clearing is planned within the existing ROW. 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 undisturbed wherever possible.

Dalton John's River Site	0'-50' Waterfront Buffer	50'-150' Natural Woodland Buffer	150'-250' Shoreland Buffer	Total Impacts at Shoreland
Temporary Impacts	1,971 sq. ft. construction pad, access road	2,485 sq. ft. construction pads, access road	3,241 sq. ft. access road, construction pad	7,697 sq. ft.
Permanent Impacts	0 sq. ft. 2 footings of 1 new lattice structure	13 sq. ft. 1 new lattice structure	0 sq. ft.	13 sq. ft.
Pre-Construction Impervious Surface Area	7 sq. ft.	0 sq. ft.	0 sq. ft.	7 sq. ft.
Post-Construction Impervious Surface Area	7 sq. ft.	13 sq. ft. 1 new lattice structure	0 sq. ft.	20 sq. ft.

■ Appendix A
Plan Set



<p>Existing Conditions</p> <ul style="list-style-type: none"> Existing Structure Existing Structure to be Removed Existing Transmission Line Existing Transmission Line to be Removed Delineated Wetlands Tax Parcels Existing Right of Way 10' Index Contour 2' Interval Contour 	<p>Stream Centerlines</p> <ul style="list-style-type: none"> Perennial Intermittent Ephemeral <p>Delineated Waterbodies</p> <ul style="list-style-type: none"> Perennial Intermittent Ephemeral Local Setbacks 	<p>Proposed Conditions</p> <ul style="list-style-type: none"> Proposed Structure - No Shoreland Impact Proposed Structure - Shoreland Impact Proposed Transmission Line Proposed New Right of Way Off ROW and UG Reporting Extents Temporary Construction Pad Station LODs Existing Access Route New Access Route 	<p>Proposed Conditions</p> <ul style="list-style-type: none"> Temporary Wetlands Matting (16'x 16') Erosion and Sedimentation Control BMPs Erosion and Sedimentation Control BMPs (Steep Slope) Temporary Limit of Disturbance - Construction Pad Limits of Permanent Vegetation Clearing UG Splice Vaults Trenched UG Trenchless UG
--	--	---	--

1 inch equals 100 feet when printed at 11" x 17"

0 25 50 100 Feet

NHDES Shoreland Permit Application Plans						
SWQPA Areas	Extent of Clearing (sq. ft.)		Construction Impacts (sq. ft.)		Impervious Surface (sq. ft.)	
	Clearing in Upland	Temporary	Permanent	Pre-Construction	Post-Construction	
Waterfront Buffer (50')	0	1,971	0	7	7	
Natural Woodland Buffer (150')	0	2,485	13	0	13	
Protected Shoreland (250')	1,162	3,241	0	0	0	
Total	1,162	7,697	13	7	20	
<small>May not sum to total due to rounding</small>						
THE NORTHERN PASS PROPOSED ROUTE			Johns River, Dalton			
Date: 9/14/2015		DRAWN: LD				Page 01

Source: NHDOT 2010 and 2011 Aerials; New Hampshire GRANIT GIS Data; Coler & Colantonio; Normandeau; Burns & McDonnell.

■ 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: EAA 1248 Existing Line Number: X-178
 Mile Sheet Number: 49 PSNH Easement Form Ref ID: N6019-1M-5-47-F
 Other: _____
 Grantor: Amidia P. Fournier
 Grantee: Public Service Company Of New Hampshire
 Town/City & County: Dalton County: Coos
 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’ northerly and 150’ southerly of a line bounded and described as follows:”

Date of Instrument Execution: 10/3/1947 Book: 359 Page: 329

Joint Use Agreement: NO (YES/NO)

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

Reference Document: YES (YES/NO)

Document(s) Referenced: EAA 1243, EAA 2597

Additional Comments: For Correspondence (EAA 1243). "See EAA 2597 for Whitefield Bethlehem"

Applicable Rights:

1. **Overhead Rights:** Yes No N/A – Fee Parcel
 Additional Comments: "There shall not be more than six structures in the field"
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: "There shall not be more than six structures in the field"
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: “There shall not be more than six structures in the field.”
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: "There shall not be more than six structures in the field."

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 Comparison
See EAA 1243
See EAA 2597 for Whitefield Bethel

EAA - 1248

KNOW ALL MEN BY THESE PRESENTS

That I, Amida P. Fournier
of Whitefield County of Coos

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 Dalton and county of Coos, bounded and described as follows:

Between Maine Central right-of-way and Dalton-Hennessey Road. Part of Lots 2 and 3, Range 11.

2006249

8281-AMH

Being a part of the same premises described in deed of Clifford C. Doolan and David F. Doolan to Amide P. Fournier dated February 27, 1942 and recorded in the 7008 County Registry of Deeds, Book 320 Page 262.

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

Beginning at a point in the wire fence on the westerly line of Maine Central right-of-way, said point of beginning being 708 feet southerly along said wire fence from the northeasterly corner of above described premises; thence running N 34° 30' W, 972 feet to the wire fence on the easterly side of the Boston and Maine Railroad, containing approximately 3.7 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 northerly and 150 feet southerly of said line or said line extended.

There shall not be more than six structures in the field.

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 he has 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, Mary E. Fournier, wife of said Anicette P. Fournier hereby release all my rights of dower in the foregoing premises so far as affected by this conveyance.

And I, Anicette P. Fournier, husband of said Mary E. Fournier 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 October, 1947

In the presence of

R. Emery Smith
R. Emery Smith

Anicette P. Fournier
Mary E. Fournier



The State of New Hampshire

Coos SS.
Oct. 3 1947

Anicette P. Fournier
Mary E. Fournier

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

R. Emery Smith
Justice of the Peace
Notary Public



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

Justice of the Peace
Notary Public

Dalton ✓

COOS COUNTY REGISTRY OF DEEDS,
 Received Mar. 17, 9 AM 1948.
 Recorded, Volume 359 Page 329
 Examined, Attest-
Harold M. Murrell Registrar.

The State of New Hampshire
 County of Coos
 I, *Harold M. Murrell*, Registrar of Deeds for the County of Coos, do hereby certify that the foregoing is a true and correct copy of the original as the same appears in the books of the Registry of Deeds for the County of Coos, New Hampshire.

Witness my hand and the seal of the Registry of Deeds for the County of Coos, New Hampshire, this 17th day of March, 1948.

Harold M. Murrell
 Registrar

COOS COUNTY, N.H.

Attorney Client Communication
Privileged and Confidential



**NORTHERN PASS TRANSMISSION PROJECT
EASEMENT ABSTRACT FORM**

General Information:

Document Number: EAA 2597 Existing Line Number: X-178
 Mile Sheet Number: 49 PSNH Easement Form Ref ID: 6019 Rev. 1M 8-52-F
 Other: _____
 Grantor: David Cohen, Inc.
 Grantee: Public Service Company Of New Hampshire
 Town/City & County: Dalton County: Coos
 Easement, Fee or Taking (Choose One): EASEMENT
 Easement Configuration:
 A. Constant Width 225 Ft
 B. Metes & Bounds
 C. Other

Additional Comments: “Said 225’ strip shall extend 115’ northerly and 150’ southerly of a line or extension of a line, described as follows:”

Date of Instrument Execution: 4/9/1953 Book: 397 Page: 108

Joint Use Agreement: NO (YES/NO)

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

Reference Document: YES (YES/NO)

Document(s) Referenced: EAA 2594
 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: _____
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): WFR 8/25/2010

Checked By (C&C): GMN 1/5/2011

Legal Reviewed By: _____

Approved By (NPT): _____

for correspondence
See: EAA-2574

EAA-2597

KNOW ALL MEN BY THESE PRESENTS

That it, David Cohen, Inc., a corporation established by law and having a
principal place of business in Lancaster, County of Coos, and State of New Hampshire.
of _____ County of _____

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 and its successors and assigns forever, the RIGHT and EASEMENT to erect, repair, maintain, rebuild, operate, patrol and remove 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, guys and other equipment over and across a strip of land _____ 265 _____ feet in width in the town/city of _____ Dalton _____ county of _____ Coos _____ State of New Hampshire.

Said _____ 265 _____ foot strip shall extend _____ 115 _____ feet northerly and _____ 150 _____ feet southerly of a line or extension of a line, described as follows:

Beginning at a point in the wire fence on the westerly line of Maine Central right of way; said point of beginning being 708 feet southerly along said wire fence from the northeasterly corner of grantor's land; thence N. 84° 30' W., 972 feet to the wire fence on the easterly side of Boston and Maine Railroad.

This strip includes the 225 foot right of way strip deeded to Public Service Company of New Hampshire by Amidie P. Fournier, February 27, 1942 and recorded in the Coos County Registry of Deeds, Book 359, Page 329.

Being a part of the same premises described in deed of _____ Amidie P. Fournier _____ to _____ David Cohen, Inc. _____ dated _____ January 2, 1948 _____ and recorded in the _____ Coos _____ County Registry of Deeds, Book _____ 360 _____ Page _____ 177 _____

70-9711
70-395/42
see
Dalton
COOS-COUNTY REGISTRY OF DEEDS,
Received **Apr. 17, 1953** 1:30 P.M.
Recorded, Volume 397 Page 108
Examined, Attest-
Wm A. Battlett Register
U

6019 Rev. 1M 8-52-F

EDGAR M. BOWKER
ATTORNEY-AT-LAW
WHITEFIELD, N. H.

EAA-2597

ABSTRACT OF TITLE

Grantor Amidie P. Fournier

Grantee David Cohen, Inc.

Witnesses

Seals

Acknowledged by

Consideration

Character Title

~~Date of Grant~~ February 4, 1953

Date of Acknowledgment

Date of Record

Volume Page

Dower Released

Curtesy Released

Homestead Released

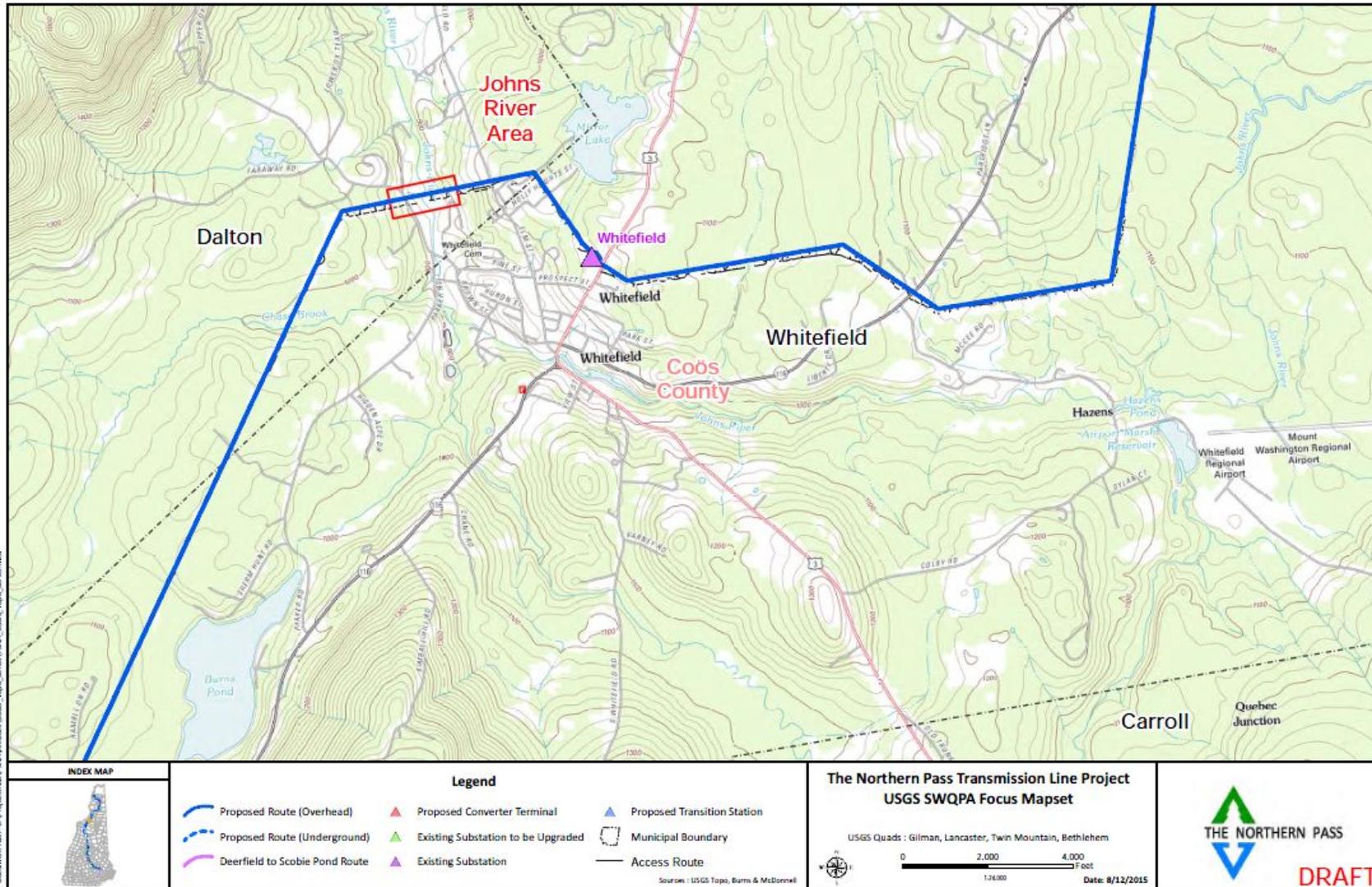
Dalton: Meadow land situate between Maine Central Railroad right-of-way and Dalton-Hennessey Road in Lots 2 and 3, Range 11.

Mortgage Littleton Savings Bank, October 17, 1952 (395-42), this and other lands. Undischarged.

Prior mortgages have all been discharged of record.

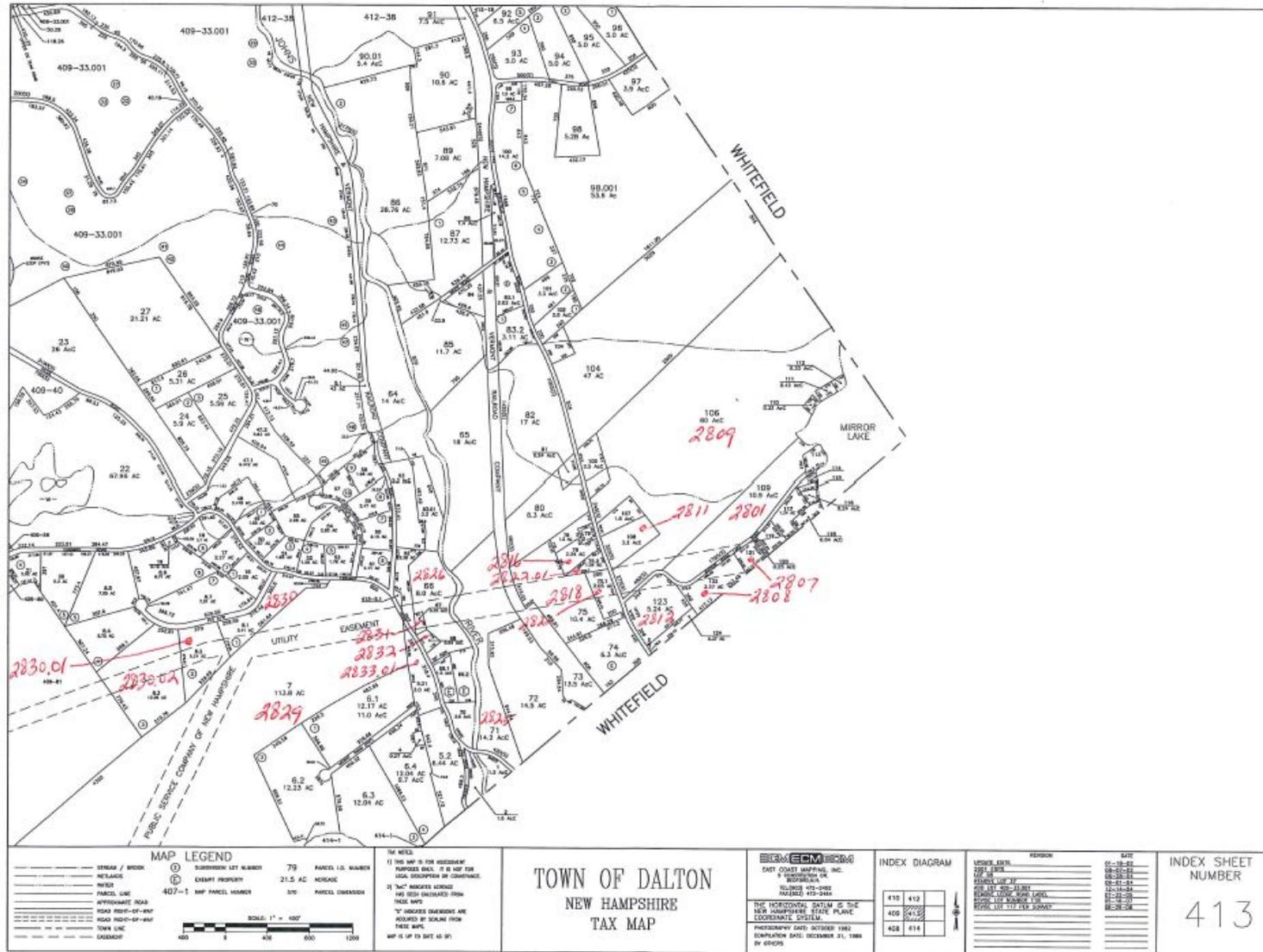
No other liens.

■ Appendix C
USGS Locus Maps



Document Path: U:\Projects\Map\2014\Coos\USGS_Topos\Series\150901_USGS_Topos_Series.mxd

- **Appendix D**
NH Tax Maps



■ Appendix E
Representative Photos



Photo 1. The NPT line will cross John's River in Dalton, NH as part of the Overhead Line (C1). The view is north.



Photo 2. The Northern Pass Project traverses the John's River in Dalton. On the western edge of the river (in foreground) and access road will lead to a construction pad where a new lattice structure will be installed. View East.



Photo 3. On the eastern shore of the river temporary construction pads and access roads will occur within the shoreland buffer. View east

■ 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 Carbonneau 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.

Normandeau Associates has coordinated with the NH Natural Heritage Bureau 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 was provided with a digital data set for known locations and, per the request of NHB, Normandeau consultants conducted rare plant and natural community surveys within the proposed project area. No known or surveyed locations of rare species and natural communities were identified within a half mile of the Protected Shoreland of John's River in Dalton, NH.

■ **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 Dalton
756 Dalton Road
Dalton, NH 03598

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.