

**MEMORANDUM**

APPLICATION OF NORTHERN PASS NORTHERN PASS TRANSMISSION, LLC  
and PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
d/b/a EVERSOURCE ENERGY  
Docket No. 2015-06

TO: All Parties

FROM: Pamela G. Monroe, Administrator

DATE: September 15, 2016

RE: Technical Session Data Requests

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Technical sessions were held on September 6, September 7, September 9, September 12, and September 14, 2016, in the above referenced docket. The purpose of the technical sessions is for the parties to inquire of the Applicant's witnesses their expertise, opinions, and pre-filed testimony. The parties that were present during all or part of the technical sessions on each day are listed on the sign-in sheets that are attached to this memorandum. Peter Roth, Counsel for the Public, and his attorney, Thomas Pappas, were present each day.

At the conclusion of the technical sessions, the following data requests to the Applicant remain outstanding:

**Sept. 6-System Stability and Reliability-Robert Andrew**

1. Provide a copy of the withdrawal letter that was submitted to ISO regarding the previously submitted PPA.
2. Confirm that the statements in Paras. 5 and 6 in the January 9, 2014 letter from ISO-NE to Dennis Carberry still applies.
3. Confirm the extent to which any conductor changes will be made between Deerfield and Scobie Pond.
4. Confirm whether the sag limitations on the transmission system are contained in the application and where such limitations may be.
5. Please review and respond to the meaning of the OTF acronym vs. the MTF acronym, and which acronym refers to NPT.

6. Provide the meaning of the acronym CNI, as it is referred to in the interconnection request.
7. Identify the units for which SSTI is still an issue for satisfying ISO-NE. (Objection by Applicant, confidential critical energy infrastructure).
8. Provide the ISO-related documents that Mr. Andrew is relying on in his pre-filed testimony. If the documents are included in the Application, then please point to where they are, and if not, please produce them.
9. Please provide a list of areas in the NE electric generation system where pipelines and transmission lines are co-located. (Objection by Applicant in that the Construction Panel may be able to better answer this question)

**Sept. 6 and Sept. 7-Public Health and Safety Panel-William Bailey, Gary Johnson, and Douglas Bell**

1. Produce a map or document that refers to the cross-sections by segment, and where the cross-sections are located on such a map, denoting the mile and location, as those segments are noted in Appendix 38. For example, Appendix 38 contains references to a profile of Segment S-1-1. If there is a map of where that segment is located, please produce it.
2. Review the cross sections, similar to Segment S1-19 referenced on page 63 of Appendix 38, and provide information on other segments where the configuration contributes to an increase in the electric field. (Applicant may object after consulting with the witness).
3. Provide a summary table of the calculations of the magnetic field and electric field for the DC portion of the line, similar to the calculations for the AC portion of the line as presented in Table 15, page 89 of Appendix 38.
4. Provide any available reports summarizing the audible noise field data that was collected by Bonneville Power or General Electric.
5. Provide a list of the 17 locations, identified by street and Town, where the sound measurements in Appendix 39, were taken. If the street number is not available, please provide the tax map and lot number.
6. Provide the 2016 study regarding childhood leukemia that is not cited in Appendix 37, but was discussed at the technical session.
7. Provide a copy of the field notes that were generated when the sound measurements were taken and that are the presented in the Baseline Sound Monitoring, Sound Report 1, Appendix 39.

8. Provide the names of the individuals that Mr. Bell met with, as well as any notes from any meetings with the NPT construction team (if any), in advance of gathering the information contained in Appendix 39.
9. Provide the calculations that exist (if any), on Segments S1-14 and S1-15, that relate to audible noise.
10. Provide the location of the precipitation stations that were used for the information contained in Appendix 39.
11. Provide the Miller study from 1978, that is referenced in Dr. Johnson's report.
12. Provide any notes that Mr. Bell generated (if any), from any meetings regarding selection of the sound monitoring locations with NPT personnel and the names of the personnel that attended the meeting.

**Sept. 9-Financial Panel—Michael Ausere**

1. Provide an updated Eversource Energy Corporate Chart of Major Subsidiaries (Updated Attachment C to Pre-filed testimony).
2. Provide the balance sheets for 2016, for NPT and Eversource Energy Transmission Ventures, Inc. (if these have not already been produced).
3. Provide the Transmission Service Agreement Contract Overview that Mr. Ausere is referring to today (Applicant will consider).
4. Provide the current credit ratings and outlook papers for Hydro-Quebec from Fitch, S&P and Moody's.
5. Provide a copy of Hydro-Quebec's financial statements that were relied upon in Mr. Ausere's pre-filed testimony.
6. Provide the preliminary budget and schedule that is referenced in section 5.2.1 of the TSA.
7. Provide a revised and updated Attachment J with proper formatting. (Applicant stated that this will be done when revised, supplemental testimony of Mr. Ausere is submitted).
8. Provide a copy of the Inter-Company Loan Agreement between NPT and Eversource, if it has not already been produced.
9. Provide a revised and updated Attachment G.
10. Provide the name of the person that authored data request NPT\_DIS033357, titled: "Cost estimates."

**Sept. 12 (Day One)-Construction Panel-Kenneth Bowes, Samuel Johnson, Derrick Bradstreet, Nathan Scott, John Kayser, and Lynn Farrington**

1. Provide the minimum angle of the crossing of the existing transmission lines with the existing gas pipeline.
2. Provide any instances in the current design of the Project where bird habitat would be created or where bird impacts will be avoided.
3. Provide the level of accuracy of the LIDAR information that was provided and input in the model.
4. Provide the final results of the geotechnical work that is being conducted when it becomes available.
5. Provide reports from the IBEW of the number of skilled tradespeople that could work on the project and that are residents of NH.
6. Please provide the map numbers from the Application where the tree clearing will occur along I-93 in Ashland, and in Deerfield Village.
7. Provide the information on the re-build of the U-118 line in Deerfield and the construction practices that were used in the unnamed pond.
8. Provide the scope of work for the "potholing" program in Plymouth.

**Sept. 12-Confidential Session**

- a. Provide a copy of the OTRM standards that are referenced in the confidential document.
- b. Provide the weight to wind span ratio referenced on Page 3-7 of the confidential document, bate stamped 047810.
- c. Provide a copy of the DSEM standard referenced in section 4.1.4 on Page 4-8 of the confidential document, bate stamped 047810.
- d. Provide the construction bid documents for the overhead portion of the lines.

**Sept. 14 (Day Two)-Construction Panel-Kenneth Bowes, Samuel Johnson, Derrick Bradstreet, Nathan Scott, John Kayser, and Lynn Farrington**

1. Provide a copy of the most recent scope of work that Ms. Farrington submitted to Northern Pass (or to PAR).
2. Provide the membership of the DOT Traffic Control Committee.

3. Provide the final Traffic Management Plan when it is submitted to DOT.
4. Provide the preliminary traffic management plan for the initial 4-mile section of road when it is submitted to DOT.
5. Provide a copy of the initial (original) scope of work that Ms. Farrington provided to Northern Pass to advise on traffic matters.
6. Provide all e-mail exchanges between DRED, Northern Pass, and Eversource related to the "scrivener's error" contained in the Cape Horn State Forest easement.
7. Counsel for the Public will provide Northern Pass with identification of the poles depicted on sheets 162 and 164 of the project maps, that it would like moved.
8. Provide information on where in the Application the relocation of the berm on sheet 162 of the project maps is shown.
9. Confirm that the net present value in today's dollars is contained in the calculation provided by GZA in the decommissioning plan.
10. Identify the specific provisions in Site 301.08, that the financial mechanisms provided for in the decommissioning plan comply with.
11. Confirm the two locations where there are existing structures currently located in the ROW (both are in Concord).
12. Provide information on where in the Application the list of abutting properties to the proposed project route is presented.
13. Provide a copy of the general contract that Northern Pass has with PAR.
14. Determine if the design factors for reducing noise at the Deerfield Substation were provided in a written document, and if such a document exists, please produce it.
15. Produce a copy of the Final Project Labor Agreement (Applicant stated that this was already produced in response to a data request, document # NPT\_DIS 009219).
16. Produce the list of properties in Concord that were visited by the Northern Pass outreach personnel.
17. Provide confirmation regarding whether or not the tree buffer abutting McKenna's Purchase will be cleared.

18. Provide the total number of miles in the Coos Loop where the 115kV line is being relocated in the ROW.
19. Provide the date that the document regarding the Coos Loop upgrade was generated that is date stamped NPT\_DIS 031446.
20. Provide the size of the conductors on the Coos Loop.
21. Provide the analysis, if any exists, regarding the current transmission capability and the increase in the transmission capability of the Coos Loop resulting from the Northern Pass project.
22. Provide the analysis, if any exists, regarding what would be required to upgrade the remaining portion of the Coos Loop that will not be upgraded by the Northern Pass project.
23. Provide any documents relating to the time that it took to construct (from start to finish), the linear projects that were constructed in Bethel, Norwalk, and Middletown, CT.
24. Provide the height of the pole/towers of the existing structures that are located on the Kauffman property.
25. Provide information as to whether or not there are any places in NH where a gas pipeline and transmission lines are co-located, and where the gas pipeline was constructed before the transmission lines were constructed, and where these locations are.
26. Burns/McDonnell will provide examples and contact information for other projects that it has overseen that have similar underground installations in similar climates.
27. Provide an estimate of the amount of rock and ledge clearing that will be required to construct Transition Station #4.
28. Provide the document number of the Transmission Maintenance Program Manual that was produced in response to a data request.
29. Provide a copy of the claim form that is used for landowner property damage.
30. Provide information on the list of properties in Deerfield that were visited by the Northern Pass outreach personnel.
31. Provide a list of all of the Best Management Practices that are referenced in the Application and links to those documents if they are publicly available, and if not publicly available, then please provide copies of those documents.

32. Provide the location of the largest substation (in acres) in the Eversource transmission system.
33. Provide the amount of oil that is kept on-site in the transformers at the existing Deerfield Substation and how much additional oil will be kept on-site as a result of the additional transformers that will be added as a result of the project.
34. Please provide the areas where tree clearing will occur on Mile Maps 124 through 137.

**Sept. 14-Confidential Session**

1. Provide copies of the three (3) lease agreements where the project is proposed to be sited.

The foregoing shall be provided to all of the parties on or before September 25, 2016. Copies shall not be provided to the Committee. To the extent that the Applicant objects to providing the above referenced material, the requesting party must file a Motion to Compel with the Committee.

Any questions regarding this memorandum or the data requests made at the technical session should be directed to Pamela Monroe, Administrator.

September 15, 2016



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Pamela G. Monroe  
Administrator  
NH Site Evaluation Committee  
(603) 271-2435  
[pamela.monroe@sec.nh.gov](mailto:pamela.monroe@sec.nh.gov)

# SIGN-IN (1)

September 6, 2016

NAME	Job Group
Eric A. Maher	City of Berlin / Franklin
CHRIS BOAT	City of Berlin / Spokesperson for City of Franklin
Amy Manzelli	SPNH
Christine Tillmore	Muni Group 2
Bob Andrew	Eversource
Bob Turgeon	NAH
Martin Murray	Northern Pass
Melissa Bitchart	CLF (NGO Interveners' Group)
Kenneth Bowes	Eversource
Jim Wagner	Eversource
Steven Whitley	muni Groups
Jeremy Walker	McLane Middleton
DAMIAN FRECKER	CATE ST. CAPITAL
Bill Kouffo	Deborah Woodson - for AMC
Robert Cote	Deerfield Abutters
Nancy Wood	IndepthNH.org
Danielle Pacik	Municipal Group 3 South-forward
Carol Holahan	New England Power Genetic Assoc.
Tom Pappas	Council for the Public
JOSE DACONTI	COUNCIL FOR THE PUBLIC
Peter Roth	" " " "
Brad Thompson	STEWARTS TOWN, N.H.
Matt Leahy	SPNH

SIGN-IN (2)

September 6, 2016

<u>Name</u>	<u>INTERVENOR GROUP</u>
Thomas Faulkner	Non-dairy Southern group
NICOLAS ROCKLER	Kavet, Rockler et Assoc.
Bretchen Draper	DIRLAC
MAX STAMP	"
PHILIP H. BILODEAU	PHILIP + JOAN BILODEAU
Alan Raff	Business Intervenor Group
ERICK BERGLUND	DEERFIELD ABUTTERS
BARBARA MEYER	GROUP 4 ABUTTERS
KATE HARTNETT	DFLD-MUNI GROUP 3
Maureen Quin	Non-dairy Southern group
JO ANNE BRADBURY	DEERFIELD ABUTTERS

# SIGN IN

SEPT 7, 2016

<u>NAME</u>	<u>INT GROUP</u>
Tom Pappas	Council for the Public
Jim Wagner	EVERSOURCE
Brad Thompson	Abutters #1 Stewartstown, Clarksville
Steven Whitty	muni Group
Nancy West	INDEPLD NTORG
Danielle <del>Pacik</del> Pacik	DALN
Jeremy Walker, counsel for Applicant	
JO ANNE BRADBURY	DEERFIELD ABUTTERS
MARTIN MURRAY	NORTHERN PASS
Thomas Folkers	Southern Non-Abutters
Christine Fullmore	Muni #2
JOSE DACONTI	COUNCIL FOR THE PUBLIC
Maurcey Quim	Southern Non-Abutters
Alan Raff	IBEW
Denise Greig	here w/ Dyld Abut

SIGN IN

Sept 9 Technical Session

<u>PARTY</u>	<u>NAME</u>
NEPGA	Carol Holahan
NEPGA	James Grunetti
NEPGA	James Monahan
CLP	Melissa Birchard
City of Berlin	Eric Mohr
City of Berlin	Christopher Balch
Union-Abetter-South	Tessa Foulke
SPNHE	Jack Savage
SPNHE	Amy Manzelli
SPNHE	Jason Peimers
Wagner	Mike Novello
IBEW	Alan Ruff

# SIGN-DN STREET

Sept 12 Technical Session

PARTY

NAME

Council for the Public  
City of Berlin  
~~Stewart Whitley~~

Tony Pappas  
Cheri Boldt

muni Group  
Deerfield Abutters  
Bilodeau

Steven Whitley  
Jeanne Menard  
Bob Cote

Bilodeau

P. Bilodeau

J. Wagner

Eversource

Adam Dumville

Eversource

Ovid Lockun

Buras + McDennell

Eversource

Brian Bossé

Brad Thompson / Abutter Group #1  
Stewartstown, Clarksville, Pittsburg

Brad Thompson

DAMMONTRECKER

CITE ST. CAPITAL

Eversource

Anthony M. Wynn

~~Anthony M. Wynn~~

~~the~~ Merrimack River local Advisory Committee

- Gretchen Draper

Alan Raff - IBEW

- Barry Draper

Danielle Pacik

- Max Stamp

B. Meyer

Danell R.

Abutter Group # Beth-Ply

SIGN-IN

TECHNICAL SESSIONS - SEPT 14

<u>PARTY</u>	<u>NAME</u>
myni Group	Steven Whittle
City of Berlin	Cheri Boldt
Pemigewasset River Local Advisory Committee	Gretchen Draper
Council for the Public	Tom Pappas
Deerfield Abutters	Robert Cote
SPNHF	Amy Manelli
DEERFIELD ABUTTERS	Jo Anne Bradbury
"	Jeanne Meyach
"	Anthony M. Fitzgerald
NPT	And Rocher
Burns & Manelli	Adam Eysk
Alan Roff IBEW	Rusty Barscorn
see	Brad Thompson
COUNCIL	
Abutters Group #1	