

Northern Pass Update: City of Concord

Bonnie Kurylo
Spring 2015

Oak Hill Fire Tower, Loudon; facing Southwest



CLEAN
HYDROELECTRIC
ENERGY



AFFORDABLE
RENEWABLE
ENERGY



PRO-NH
GOOD FOR THE
ECONOMY





Today's Discussion

- I. Northern Pass & the City of Concord
- II. Permitting Schedule & Public Participation Opportunities
- III. Economic Benefits of Northern Pass
- IV. Questions

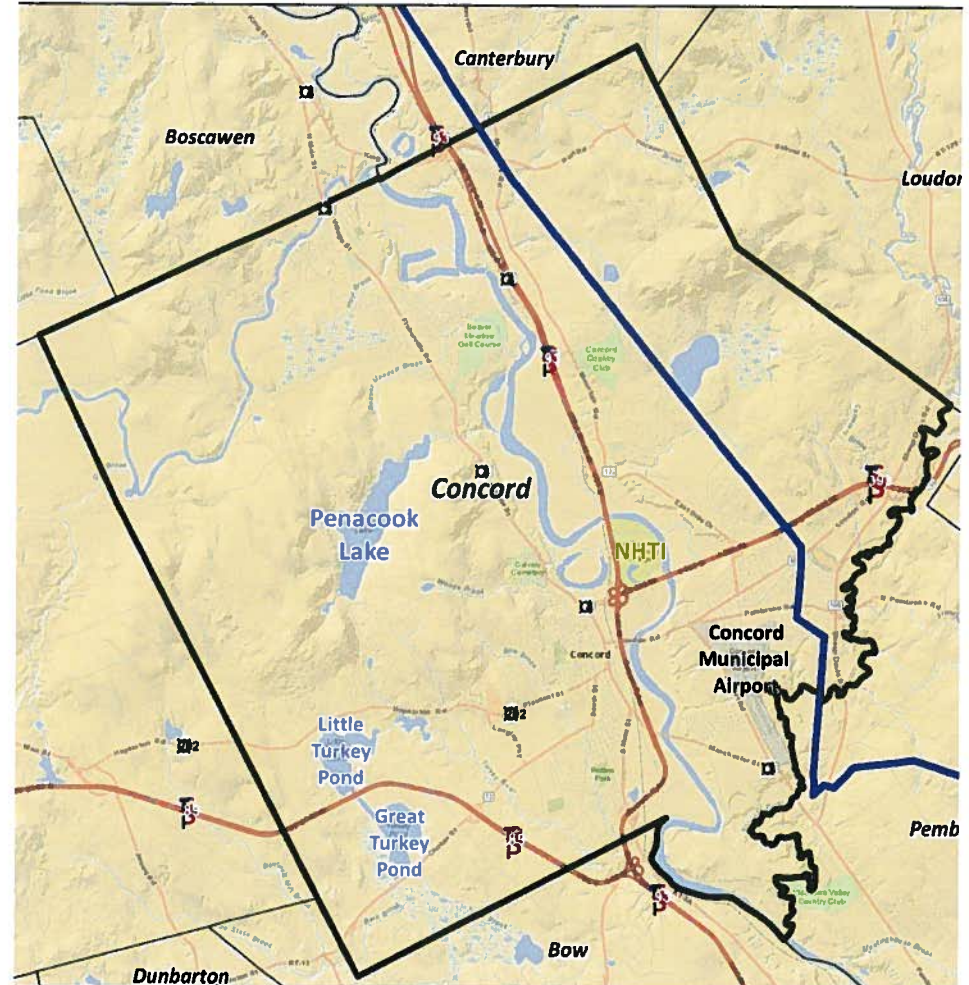
Northern Pass Proposal in Concord

What Exists Today:

- Over 8 miles of existing Eversource rights-of-way with 2 transmission lines
- Majority of structures are between 43 - 97 feet
- Existing easements only allow for overhead construction

Northern Pass Proposal:

- Locate a new 345kV overhead transmission line in the existing ROW
- Majority of new structures will be between 85 - 100 feet



On-going Communications & Outreach Since 2010

Municipal Officials

- On-going dialogue with Carlos Baia, Deputy City Manager
- Outreach to NH DOT Aeronautics & FAA to ensure NP structures will meet FAA guidelines

Property Owners

- On-going communications with 90 abutting property owners along ROW; includes one-on-one meetings, monthly newsletter, phone calls

Businesses

- Periodic updates to the Concord Chamber of Commerce board and the Concord Rotary

Residents

- Open House held on September 4, 2013; attended by over 100 residents and city officials
- Over 80 residents have signed up on NP website seeking jobs

Listening & Responding to Local Issues

Issues Expressed

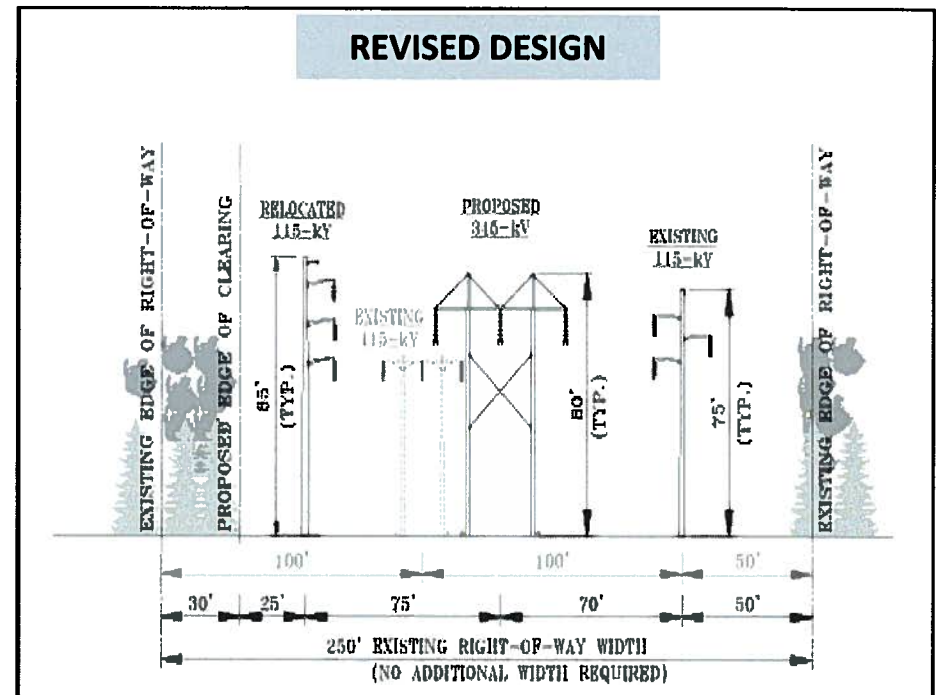
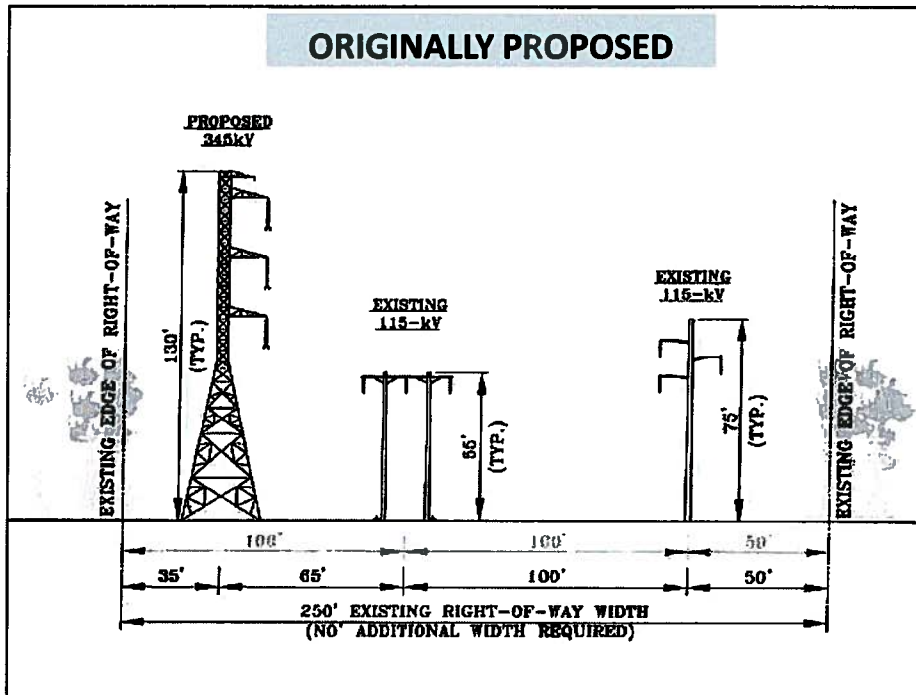
- Visual impact of line
- Effect of electro magnetic fields (EMF)
- Environmental impacts
- Impacts of construction
- Job opportunities

Actions Taken To-Date

- Line redesigned to significantly lower structure heights in Concord
- Redesigned line near McKenna's Purchase to address visual concerns
- Continuing to address individual concerns with landowners by adjusting structure locations, providing screening option, and addressing other unique concerns

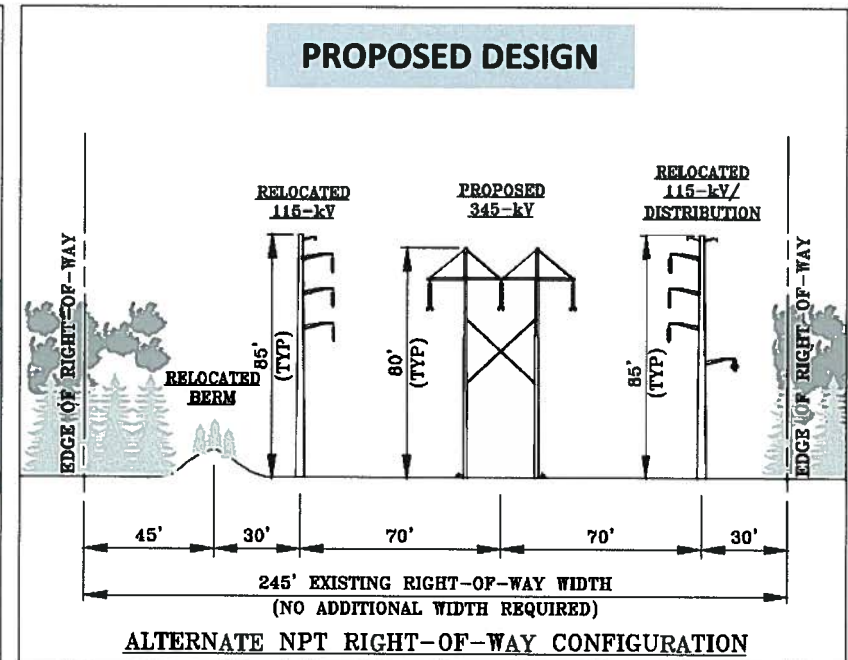
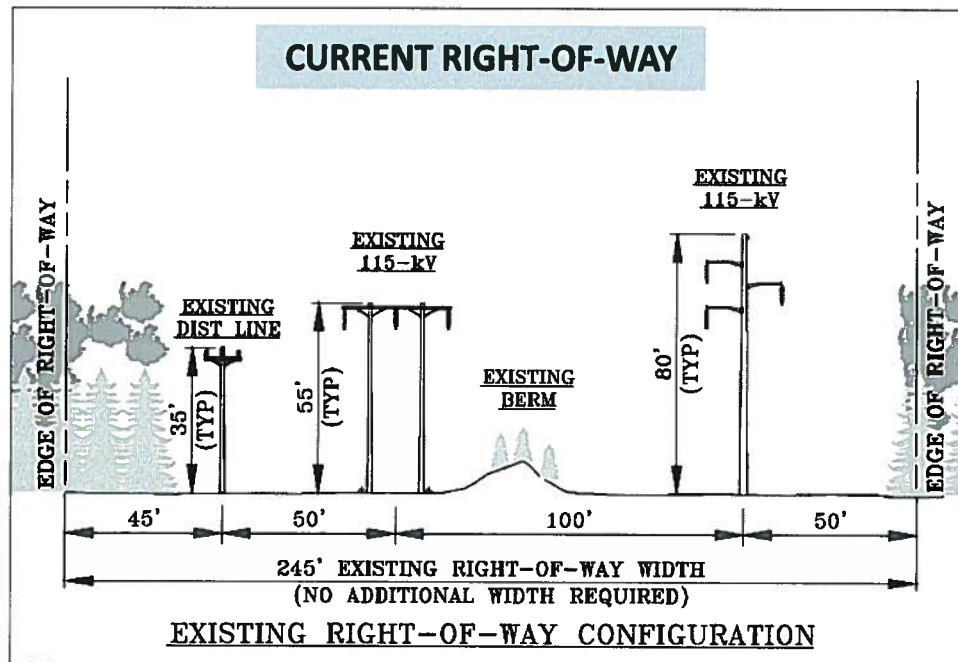
A New Design to Address Landowner Concerns

- Based on feedback, NP revised the design of the proposed and rebuilt transmission structures within the existing rights-of-way in Concord
- Moving this existing line will enable Northern Pass to use lower structures
- This will reduce typical structure heights in certain areas by up to 50 feet



McKenna's Purchase: A New Design to Address Landowner Concerns

- Provided an alternate design in August 2014 to McKenna's Purchase Board of Directors
- Proposes moving the existing power line closest to the condominiums to the far edge of the right-of-way; would then relocate existing berm to where line used to be, creating improved visual buffer for property owners



Northern Pass Benefits

Economic Benefits the Project will provide Concord

- Eversource paid Concord nearly \$460,000 in taxes in 2014
- Northern Pass will add estimated additional tax revenue
Local taxes - \$541,991 County taxes - \$87,074 State taxes - \$199,060
- The southern part of the state including Concord can anticipate about 150 – 190 jobs to be created during the construction period of the project.

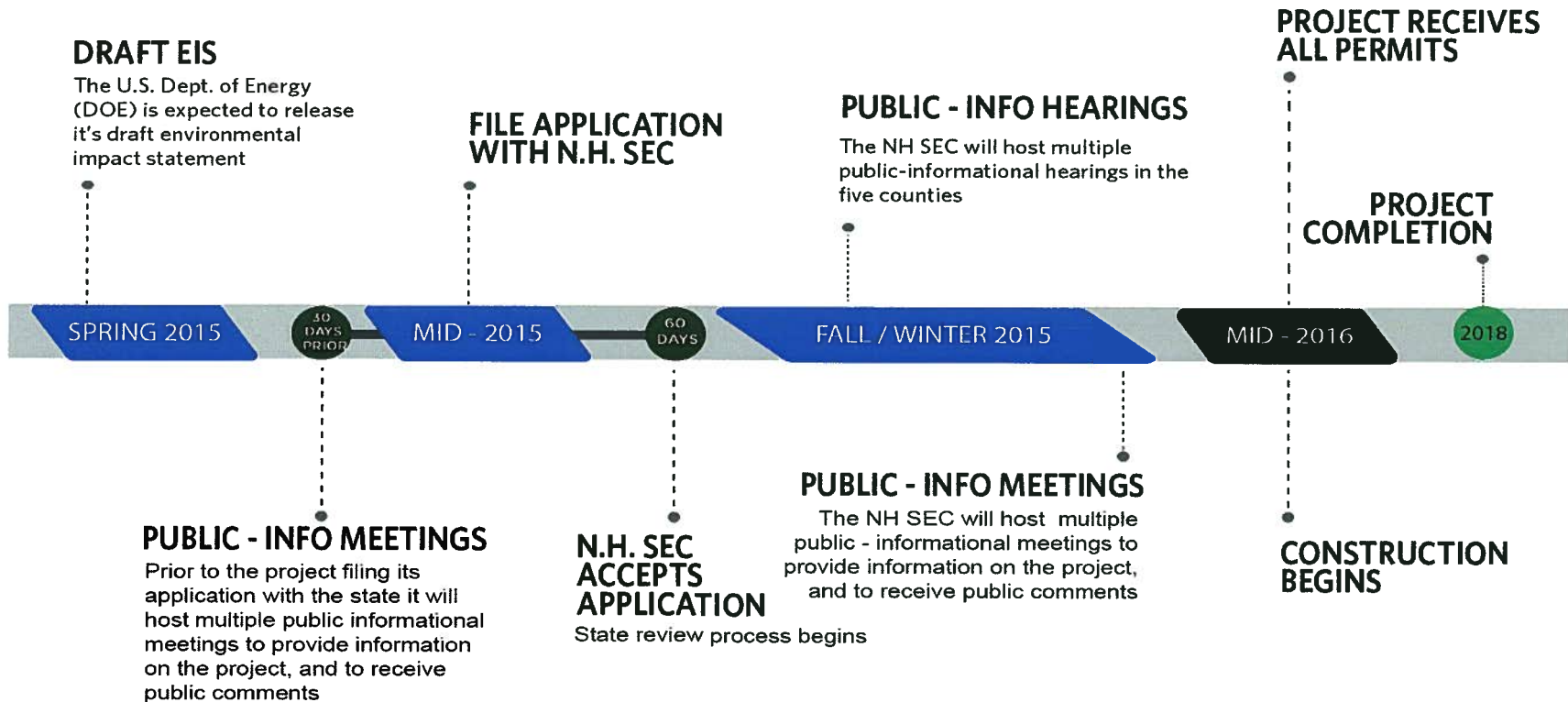
Project Business Directory

- Northern Pass will provide a business directory to each worker, during the construction phase, who will be spending time and resources in or near the towns along the proposed route, encouraging them to support local NH and Concord businesses like restaurants, lodging, hardware stores, gas stations, convenience stores, and other services.

Estimated Permitting Timeline

There are several opportunities for public input on the proposed project.

The project is expected to receive the Draft Environmental Impact Statement from the U.S. Department of Energy by the end of Spring 2015. Once received, the project anticipates the following timeline based on state protocols and procedures:



Public Participation – Get Involved



LEARN MORE BY VISITING OUR WEBSITE

www.NORTHERNPASS.us



QUESTIONS? CALL THE HOTLINE

(800) 286-7305



OR SEND US AN E-MAIL

info@northernpass.us



ATTEND THE COUNTY SEC MEETINGS

The date and location will be posted on our website once determined.

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Questions?



APPENDIX

Appendix Contents

- Breakdown of Concord Property Owners along the route
- Concord Landowner Outreach and Communication
- Examples of adjustments made to structures along route
- Concord Meetings, Outreaches and Communication
- FAA White sheet
- Northern Pass Job Brochure
- Connecting with Northern Pass on Social Media

Breakdown of Concord Property Owners Along the Proposed Route

108 Total parcels of land along proposed route

Residential, Business, Commercial

90 Individual Landowners along proposed route

74 Landowners that have engaged with project specialists

19 Landowner site visits with project representatives

153 Total conversations with Concord landowners

Letters, Phone Calls, Emails, Site Visits

82% Concord landowners along the proposed route have engaged with the project at least once

Concord Landowner Outreach and Communication

Reaching Out to Landowners

- The project has reached out to all 90 landowners along the proposed route in Concord to provide each landowner the opportunity to have a meeting with project specialists to have their questions answered
- Every landowner was sent an opening and a closing letter. If an address was invalid, a phone call was made
- **8** meetings with landowners occurred 2010 – 2013
 - Issues addressed: Visual Impacts, design of line, EMF
- **7** meetings with landowners occurred Spring 2014 – Present
 - Issues addressed: Construction impacts, jobs, design
- **4** Meetings with businesses along the ROW
 - Generally supportive, interested in potential business and job opportunities
 - Major Concerns: Construction impacts, jobs, design

Examples of Conversations Held with Landowners

- Project representatives met with a Concord resident that abuts the ROW to discuss the locations of the 345kV and the relocated 115kV structures that were visible from the landowners backyard. Based upon that meeting, the project engineers were able to address the concerns of the landowner by moving both structures northward approximately 60 ft., placing them in back of a buffer of trees where they will be less visible.
- In the Fall of 2014, two project specialists visited the property of a family in Concord. After a friendly conversation around the dining room table with the husband and wife about the project's progress, both the project representatives and the husband and wife walked the ROW that abuts their backyard. The engineer was able to point out and explain the specifics of the proposed structures. After seeing first – hand and having all of their questions answered, the landowners had a better understanding and felt much more encouraged about both the project and their property.

Examples of Conversations Held with Landowners

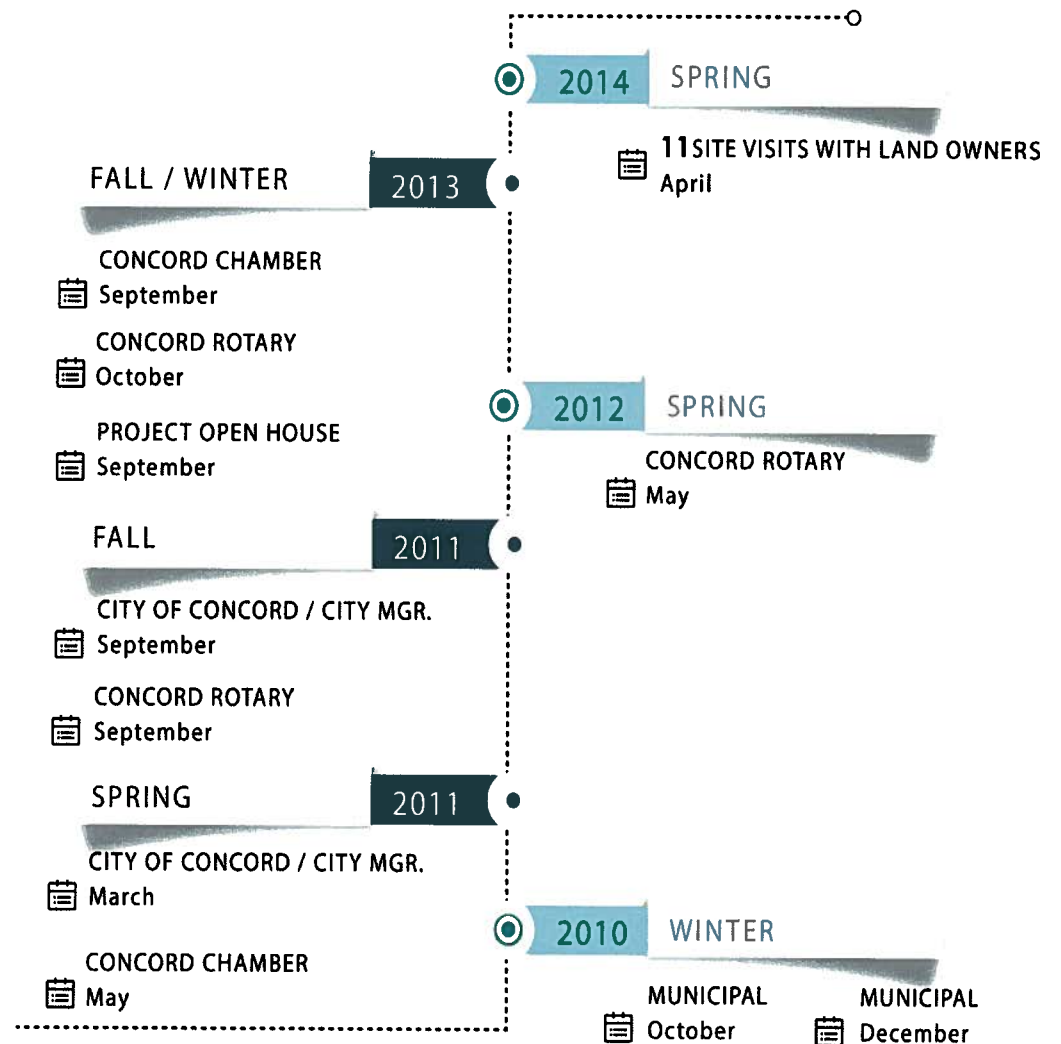
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- Two community outreach specialists met with a Concord resident at his home in October 2014. The resident immediately expressed concerns specifically about EMF. A follow up meeting with this same resident was held six days later, with an EMF expert. At the end of the meeting, the resident requested to meet with a project engineer. Within a week, a Northern Pass engineer met with the Concord resident at his house and discussed the details of the structure designs. The resident addressed concerns about the visibility of the structures from his property. To alleviate a few of those concerns the Northern Pass engineer staked out the locations of the proposed structures along the residents abutting ROW.
- Project representatives met with the management team of a business in Concord. Project representatives outlined the location of the structures on their property and ROW accommodations that would be made to the existing structures. The team then proceeded to the ROW and noted the concerns and suggestions made by the management team. Overall the management team was very grateful for the project information.

Concord Meetings, Outreach and Communication

Meetings with the City of Concord:

- 10 meetings with the city of Concord municipal officials and business organizations
- Northern Pass Open House
September 4, 2013 at The Holiday Inn
 - Over 100 people attended
 - Mailed invitations landowners and elected officials
- DOE Public Scoping Meeting
September 23, 2013 at The Grappone Conference Center
 - Over 150 people attended
 - Invited Concord residents to attend via newspaper ads, project journal, social media
- FAA Outreach Overview
 - Met with FAA & NH DOT/Aeronautics
 - Structures in Concord Airport area will meet FAA guidelines
 - Expected to submit Obstruction Evaluation notices to FAA this Spring



Northern Pass

Resolution of FAA Issues Associated with Concord Airport

Summary

- Northern Pass has fully evaluated structure height issues as they relate to navigable airspace in the vicinity of Concord Airport, has engaged the Federal Aviation Administration (FAA) in the process for assuring that structures will not create any hazard, and has designed the transmission structures to meet the FAA requirements for the Concord Airport airspace.

Background

- The FAA uses obstruction criteria defined in 14 CFR Part 77, and in Order 8260-3B, United States Standard for Terminal Instrument Procedures (TERPS), to identify man-made or natural objects that create potential obstructions to navigable airspace. The criteria found in Part 77 are used to identify proposed or existing structures that require a form 7460-1 Notice of Proposed Construction or Alteration (Notification). The filing allows the FAA to study a proposed structure and to issue a determination regarding any potential airspace obstruction issues.
- The proposed route for Northern Pass would be near the Concord Airport. Although the Northern Pass transmission line is proposed to be located within an existing transmission rights-of-way (ROW) and would be adjacent to existing transmission structures, the FAA requires the evaluation of the new structure locations to determine whether they meet FAA obstruction criteria. Northern Pass has had communications with the FAA that are described on the next slide that provide the basis for its determination that the Northern Pass will meet the applicable FAA requirements.

Northern Pass

Resolution of FAA Issues Associated with Concord Airport [CONT.]

First Round of FAA Notifications

- In October 2010, Northern Pass notified the FAA of eight structure locations along the existing transmission corridor, near the Concord Municipal Airport in Concord. These were submitted online using the FAA Obstruction Evaluation Airport Airspace (OE/AAA) Form 7460-1. To secure a FAA evaluation, Northern Pass submitted a benchmark structure height of 135 feet in those Notifications for all eight structures. In January 2011, the FAA requested certified survey information for each structure to facilitate its evaluation. NPT subsequently provided the requested survey data to the FAA.
- In February 2011, Northern Pass received Notice of Presumed Hazard (NPH) letters for seven of the eight proposed structures, indicating that seven of the structures would exceed FAA obstruction standards. In the NPH letters, the FAA provided the maximum structure height allowed at each location that would not penetrate the obstruction surface. This information was used to help determine structure heights for the proposed Northern Pass transmission line structures.

Northern Pass

Resolution of FAA Issues Associated with Concord Airport [CONT.]

Second Round of FAA Notifications

- As a result of the first round of Notifications, Northern Pass determined that the maximum FAA allowable structure height for some of the proposed new structures was lower than currently existing structures in the same transmission ROW. When considering the effect of a proposed new structure on the safety of air navigation, the FAA can consider the shielding effect of existing permanent structures of equal or greater height that are within 500 horizontal feet of the proposed structure.
- The existing Eversource structures provide that shielding effect because they are covered by FAA Determination of No Hazard (DNH) letters for the 15 of the 36 structures studied, and Does Not Exceed letters for the remaining structures. Concerning the structures with DNH letters, the FAA's study found that, although these structures exceed obstruction standards, they would have no effect on existing or future visual or instrument flight rule operations. However, as a condition of this determination, the FAA required Eversource to install lights on 15 of the existing structures and place marker balls on the shield wire between the structures. These FAA determinations became final on August 10, 2011.
- Eversource has installed lights and marker balls covered by the FAA condition. Eversource has also filed the supplemental Notification, Form 7460-2, to inform the FAA that conditions of the determination have been fulfilled and to formally close out the studies.

Northern Pass

Resolution of FAA Issues Associated with Concord Airport [CONT.]

Northern Pass Design Conforms to the FAA Requirements

- Northern Pass has used data received from the FAA for the various notification locations to confirm that the Project structure heights are consistent with the FAA's requirements. Specifically, structure locations and heights have been coordinated for the Northern Pass project design so as to be within the height restrictions established by the FAA or within the height shielding zone of the existing transmission line infrastructure, whichever controls.

NORTHERN PASS EMPLOYMENT OPPORTUNITIES WILL INCLUDE:



JOBS FOR NEW HAMPSHIRE

COMMITTED TO LOCAL JOBS

More than 1,200 jobs will be created in New Hampshire over the project's construction phase. Preference will be given to qualified local labor. The Northern Pass project will also provide a boost to such New Hampshire businesses as suppliers, restaurants, and lodging.

POWERING NEW HAMPSHIRE'S ECONOMY

Access to clean, low-cost energy is a vital component of New Hampshire's continued economic growth. The Northern Pass project will be a major source of competitively priced power, which will benefit homes and businesses from Coös County to southern New Hampshire.

PARTNERING TO SUPPORT STRONG COMMUNITIES

The Northern Pass project will infuse approximately \$28 million per year of new tax revenue into New Hampshire's state and local tax base. These funds will provide much-needed support for local government, infrastructure, and public schools, and will cut property tax bills for families and businesses in some communities.

CONSTRUCTION JOBS

Administrative Support
 Builders (Interior/Exterior/Roofing)
 Electricians (Wiring/Lighting/Power)
 Fence Installers
 Fiber-Optic Splicers
 Foundation Installers (Concrete)
 Fuel Suppliers
 Geotechnical Surveyors
 Laborers
 Land Surveyors
 Landscapers
 Linemen
 Mechanics and On Site Equipment Repairers
 Plumbers
 Switchyard Steel Erectors
 Traffic Controllers (Temporary and Permanent Installations)
 Tree Clearers and Loggers
 Wiremen/Cable Splicers

TRUCKING AND MATERIAL DELIVERY/HANDLING

Concrete Manufacturers
 Flatbed Operators
 Gravel Manufacturers
 Loggers and Chippers
 Material Handlers

HEAVY EQUIPMENT OPERATORS

Bulldozer Pile Drivers
 Crane
 Drill Rig
 Excavator
 Forklift
 Front End Loader
 Grader
 Hoist
 Skid-steer

OTHER SERVICES

Cement Suppliers
 Converter Equipment
 Warranty Services
 Environmental Engineering Consultants
 Fire Protection Systems
 Gravel/Aggregate Suppliers
 Groundwater Consultant
 Hay Suppliers
 HVAC System Installation/Equipment Services
 Lab Services (Environmental testing)
 Office Supplies
 Petroleum/Lubricant Suppliers
 Recycling/Waste Disposal
 Security Services
 Security System Installation/Equipment Services

Septic Inspectors
 Snow Removal Services
 Testing and Commissioning Support (Switchyard Equipment)
 Title Company
 Valve Cooling System Installation – Welders/Pipefitters



Project Jobs and Business Opportunities

176 Project job seekers from the Greater Concord area

36 Greater Concord businesses have registered to supply materials or services

To learn more about the Business Directory, or to sign-up, visit: www.northernpass.us/business-directory.htm

Connecting with Concord Residents on Social Media



www.facebook.com/thenorthernpass



www.twitter.com/thenorthernpass

- 550** Concord residents follow us on the Northern Pass Facebook page
- 124** Concord residents engaged with the page in February 2015
- 9,000** Concord Residents have seen a post of ours in February 2015
- 42** Twitter accounts based in Concord follow the Northern Pass