

**ANNUAL REPORT ON  
LONG RANGE PLANS  
FOR  
BULK POWER SUPPLY FACILITIES  
IN  
NEW HAMPSHIRE**

**May 2008**

**nationalgrid**

**National Grid Companies**

GRANITE STATE ELECTRIC COMPANY  
NEW ENGLAND POWER COMPANY  
NEW ENGLAND ELECTRIC TRANSMISSION CORPORATION  
NEW ENGLAND HYDRO-TRANSMISSION CORPORATION

In addition to the preceding letter, this filing consists of the following:

**FORM A**

Long-range plans for bulk power supply – load and capability forecasts: Accordingly, as previously indicated, National Grid submits no Form A.

**FORM B**

Long-range plans for bulk power supply – generation 30 MW or more: National Grid does not anticipate developing any generation facility of 30 megawatts or more in New Hampshire in the next ten years. Accordingly, as previously indicated, National Grid submits no information for Form B.

**FORM C**

Long-range plans for bulk power supply – transmission lines of 100 kV or more:

Attachment 1	USGS Survey Sheet for Scobie Pond Substation to MA state line
Attachment 2	Description of Transmission Lines
Attachment 3	Transmission Planning Statement

**National Grid Companies**

GRANITE STATE ELECTRIC COMPANY  
NEW ENGLAND POWER COMPANY  
NEW ENGLAND ELECTRIC TRANSMISSION CORPORATION  
NEW ENGLAND HYDRO-TRANSMISSION CORPORATION

PROPOSED BULK POWER SUPPLY GENERATION FACILITIES  
OF 30 MW OR MORE

<u>Name of Unit (If Available)</u>	<u>Unit No.</u>	<u>Size MW</u>	<u>Type</u>	<u>Location</u>	<u>Construction Schedule Start Comp.</u>	<u>Retirement Schedule Unit Date</u>	<u>Units Scheduled For Construction To Start Within 5 Years</u>
--	---------------------	--------------------	-------------	-----------------	--	--	---

\*

\*NEP does not anticipate development of any generation site of 30 MW or greater within the next ten years.

**National Grid Companies**

GRANITE STATE ELECTRIC COMPANY  
 NEW ENGLAND POWER COMPANY  
 NEW ENGLAND ELECTRIC TRANSMISSION CORPORATION  
 NEW ENGLAND HYDRO-TRANSMISSION CORPORATION

LONG-RANGE PLANS FOR BULK POWER SUPPLY

Transmission Lines of 100 kV or More

Att. No.	FROM		TO		Voltage (kV)	Length of Line (Miles)	New Route (Miles)	Along Existing Route (Miles)	Start	Comp.
	Terminal Point	City or Town	Terminal Point	City or Town						
1	Scobie	Londonderry, NH	MA	Pelham, MA	345	18	0	18	*1 Indef.	*1 Indef.

\*1 This line would be constructed and owned partially by NEP and partially by Public Service Company of New Hampshire (PSNH). The start and completion dates will be coordinated with PSNH.



## LINE DESCRIPTION

### 1. Scobie Pond To Massachusetts State Line

The entire line would be constructed adjacent to existing transmission lines for a distance of approximately 18 miles in New Hampshire. Approximately 6 miles of the 18 miles would be along PSNH's right-of-way from Scobie Pond Substation to Scobie Junction. From there, the line would extend approximately 4 miles south of PSNH's right-of-way, adjacent to NEP's 230 kV right-of-way, and then enter NEP's right-of-way. There presently are two 230 kV lines on the entire length of NEP's right-of-way and one 115 kV line from Hudson, NH to the Massachusetts state line (approximately 8 miles), would be constructed between the two existing 230 kV lines. It is not anticipated that construction of this line along the existing right-of-way will have any significant environmental impact.

TRANSMISSION PLANNING STATEMENT

The Company will actively consult all appropriate federal, municipal, regional, and state agencies during the planning and engineering stages of the transmission line design to insure minimal environmental effects and that best use of the land will be achieved consistent with the electrical requirements.