

STATE OF VERMONT
PUBLIC SERVICE BOARD

Docket No. 6860

Petitions of Vermont Electric Power Company, Inc.)
(VELCO) and Green Mountain Power Corporation)
(GMP) for a certificate of public good, pursuant to 30)
V.S.A. Section 248, authorizing VELCO to construct)
the so-called Northwest Vermont Reliability Project,)
said project to include: (1) upgrades at 12 existing)
VELCO and GMP substations located in Charlotte,)
Essex, Hartford, New Haven, North Ferrisburgh,)
Poultney, Shelburne, South Burlington, Vergennes,)
West Rutland, Williamstown, and Williston, Vermont;)
(2) the construction of a new 345 kV transmission line)
from West Rutland to New Haven; (3) the)
reconstruction of a portion of a 34.5 kV and 46 kV)
transmission line from New Haven to South Burlington;)
and (4) the reconductoring of a 115 kV transmission)
line from Williamstown to Barre, Vermont)

Entered: 1/28/2005

CERTIFICATE OF PUBLIC GOOD ISSUED
PURSUANT TO 30 V.S.A. SECTION 248

IT IS HEREBY CERTIFIED that the Public Service Board of the State of Vermont ("Board") this day found and adjudged that the construction of the proposed Project, as described in Appendix D of the Board's January 28, 2005, Order in this Docket, ("the Order") as modified and conditioned by the findings and conclusions of that Order, will promote the general good of the State, and a Certificate of Public Good is hereby issued to Vermont Electric Power Company, Inc. and Green Mountain Power Corporation (collectively "Petitioners") subject to the following conditions:

1. Petitioners shall file, for the Board's approval, final construction plans for the 345 kV line, 115 kV line, and the substation upgrades, concurrent with plans for aesthetic and environmental mitigation, as required by the post-certification process described in the Order. Petitioners may commence construction only after receiving approval for such plans, and receipt of all necessary permits.
2. For the post-certification review process, Petitioners shall take the following actions:
 - Petitioners shall identify areas of high electromagnetic field ("EMF") levels near residences and propose measures that might mitigate electromagnetic field exposure at these locations.

- Petitioners shall file all design detail construction plans, with associated environmental mitigation measures, as identified in Section XII of the Order, with the Board, affected parties, affected municipal governments, and affected local and regional planning commissions.
- Petitioners shall file a list of all required permits, and the issuing agency, with the Board and the parties.
- Petitioners shall file all required permits with the Board and the parties.
- Petitioners shall conduct pre- and post-construction noise measurements at all substations and file the results with the Board and affected parties.
- Petitioners shall file with the Board, the Department of Public Service, the Agency of Natural Resources, the Town of Ferrisburgh, and any other party that requests a copy, an analysis of the impact of moving the transmission structure alongside the Slang in Ferrisburgh, on the osprey nest atop that structure.
- In its filings, Petitioners shall demonstrate that it has given careful consideration to all measures, as identified in Section V.B of the Order, for mitigation of adverse aesthetic impacts.

3. Petitioners shall file a schedule within two months of the Order identifying the permits, plans, and reports required for post-certification review and identifying the date upon which each permit, plan, or report shall be filed. The schedule shall include dates by which the Petitioners would file the information set forth in paragraph 2, above, for each section of transmission line and for each substation.

4. Petitioners may commence construction of the reconductoring of its 115 kV line from Barre to Williamstown line.

5. Construction, operation, and maintenance of the proposed Project shall be in accordance with the findings and requirements set forth in the Order.

6. Petitioners shall coordinate with the local electric distribution utilities, telephone, and cable companies, to place the electric distribution, telephone, and cable lines underground in those areas where the Board has identified that such action is necessary for aesthetic mitigation.

7. Petitioners shall relocate the New Haven substation, consistent with the findings and conclusions of Section V.B of the Order, unless it can demonstrate that such action is not feasible.

8. Petitioners shall identify an acceptable configuration for the Ferry Road area consistent with the findings and conclusions of Section V.B.

9. Petitioners shall place the 115 kV line in the Bay Road area underground from approximately mile 23.8 to mile marker 25.1, consistent with the findings and conclusions of Section V.B.

10. Petitioners shall file a detailed archaeological report on the impact of placing the 115 kV line underground in the areas of Ferry Road and Bay Road by November 1, 2005.

11. Petitioners shall file any agreement with Vermont Railways to locate the transmission structures within the railroad right-of-way with the Board.

12. Petitioners shall notify the Board as to any determinations made by United States Fish and Wildlife Service and/or ANR regarding the mitigation required for any possible adverse impacts on Indiana Bat populations.

13. Petitioners are required to monitor the populations of certain endangered, threatened, and rare species listed in Section V.C of the Order, for a period of five years following construction and draft a management plan to address the protection of endangered species within the transmission line right-of-way.

14. VELCO shall continue to monitor the state of scientific knowledge regarding health effects of electromagnetic fields and report to the Board on an annual basis, for the next five years, the results of such monitoring.

15. Petitioners shall employ soil erosion control and construction techniques consistent with ANR's Erosion and Sediment Control Plan Checklist, the *Vermont Handbook for Soil Erosion and Sediment Control on Construction Sites*, and the site specific Erosion Prevention and Sediment Control Plans submitted to and approved by the Agency of Natural Resources for the proposed Project.

16. Petitioners shall file system studies that address the impact of placing portions of the 115 kV line underground on system stability and reliability, and include harmonic, continuous current, continuous voltage and electromagnetic transient analyses.

17. Petitioners shall file an analysis designed to identify the appropriate reactive support device necessary, examining both cost and system stability/reliability, for the Granite substation.

18. In selecting transformers for the proposed Project, the Petitioners shall employ a methodology that accounts for the cost of transformer loss.

19. To ensure protection of archaeological resources, Petitioners shall comply with the requirements of the Vermont Division of Historic Preservation, as set out in the Division's letter of June 29, 2004.

20. This Certificate of Public Good shall not be transferred without prior approval of the Board.

DATED at Montpelier, Vermont, this 28th day of January, 2005.

s/Michael H. Dworkin)

) PUBLIC SERVICE

s/David C. Coen)

) BOARD

s/John D. Burke)

) OF VERMONT

OFFICE OF THE CLERK

Filed: January 28, 2005

Attest: s/Susan M. Hudson
Clerk of the Board

NOTICE TO READERS: This decision is subject to revision of technical errors. Readers are requested to notify the Clerk of the Board (by e-mail, telephone, or in writing) of any apparent errors, in order that any necessary corrections may be made. (E-mail address: Clerk@psb.state.vt.us)