

STATE OF VERMONT
PUBLIC SERVICE BOARD

Docket No. 7246

Petition of Central Vermont Public Service)
Corporation for a Certificate of Public Good,)
pursuant to 30 V.S.A. § 248, authorizing the)
construction of a 46 kV electrical substation,)
including the installation of synchronous condensers)
and related equipment, in Winhall, Vermont)

Entered: 3/28/2008

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 this day found and adjudged that Central Vermont Public Service Corporation's ("CVPS") construction of a 46 kV electrical substation, including the installation of two synchronous condensers and related equipment, and modification to the existing transmission lines outside of the proposed substation ("the Project"), at the intersection of Kendall Farm Road and Blackcherry Ridge Road in Winhall, Vermont, in accordance with the evidence and plans submitted in this proceeding, will promote the general good of the State, subject to the following conditions:

1. Construction, operation, and maintenance of the project shall be in accordance with the plans and evidence submitted in this proceeding. Upon completion of the Project, CVPS shall file "as-built" plans for the Project.
2. Prior to commencement of site preparation for and construction of the Project, CVPS shall file with the Board confirmation that it has obtained all required permits and copies of the same shall have been filed with the Board.
3. Upon completion of all relevant transactions, CVPS shall file evidence with the Board that it has conserved the 4.71 acre parcel on the south side of Kendall Farm Road in accordance with the Friends Stipulation and the plans and specifications submitted in this proceeding.
4. CVPS shall file evidence that the noise, measured at the property line, from all components, including but not limited to the synchronous condensers, ancillary equipment, and transformers, will not exceed 55 dBA. As soon as practicable after commissioning of the Project, CVPS shall take appropriate measurements at the site, and file with the Board data sufficient to demonstrate compliance with this standard.

5. In accordance with the CVPS-DPS Stipulation, CVPS shall include a "synchronous condenser output duration" histogram in its integrated least-cost resource plans filed pursuant to 30 V.S.A. § 218c, depicting synchronous condenser var injection or absorption on one axis and annual duration on the other axis. This graph will serve as a flag for possible further review. If the area under the histogram is deemed inexplicably high, a more detailed analysis shall be undertaken. CVPS shall obtain and report the following system parameters as part of this analysis:

- (a) time-stamped records of Stratton synchronous condenser var injection or absorption;
- (b) time-stamped records of Southern Loop capacitor dispatch status;
- (c) time-stamped records of Southern Loop total load levels, with Stratton and Bromley loads broken out;
- (d) recorded violations of voltage criteria including degree, location(s), and timing; and
- (e) timing and descriptions of unusual system conditions relevant to Southern Loop operation (e.g., scheduled or unscheduled equipment outages).

Upon completion of this analysis, CVPS shall make recommendations, as necessary, for the improved operation and/or reduced losses and file these recommendations with the Board and parties.

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

Dated at Montpelier, Vermont, this 28th day of March, 2008.

s/ James Volz)

) PUBLIC SERVICE

s/ David C. Coen)

) BOARD

s/ John D. Burke)

) OF VERMONT

OFFICE OF THE CLERK

FILED: March 28, 2008

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: psb.clerk@state.vt.us)