

**STATE OF VERMONT
PUBLIC SERVICE BOARD**

Petition of Vermont Transco, LLC , Vermont)
Electric Power Company, Inc. (“VELCO”),)
Burlington Electric Light Department (“BED”),)
and Green Mountain Power Corporation)
 (“Green Mountain Power”) for a Certificate of)
Public Good pursuant to 30 V.S.A. § 248 for the)
 “**East Avenue Loop**” Project, located in)
Williston, South Burlington, Colchester,)
Winooski, and Burlington, consisting of the)
following elements: (1) replacement of 4.8 miles)
of an existing single 115 kV line between)
VELCO’s Essex Substation (located in)
Williston) and its East Avenue Substation)
(located in Burlington) with two new 115 kV)
lines within the same corridor; (2) expansion of)
the East Avenue Substation; (3) installation of a)
new 1.5-mile 34.5 kV line from the East Avenue)
Substation to BED’s McNeil Substation (located)
in Burlington); and (4) installation of new and)
relocated equipment at the McNeil Substation)
(located in Burlington))

Docket No. 7314

**PREFILED TESTIMONY OF
GERALD OSTRANDER
ON BEHALF OF
PETITIONERS**

November 4, 2008

The purpose of this post-Certificate of Public Good testimony from Mr. Ostrander is to introduce the final East Avenue Loop Substation construction plans for Public Service Board approval, as well as providing an update concerning Project cost.

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EXHIBITS

- Exhibit PET 8.3.2.1 Revised East Avenue Substation Plan with Switchgear
- Exhibit PET 7.2.1 Revised Project Cost Estimate

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- 1 **1. Introduction**
- 2 Q1. Please state your name.
- 3 A1. Jerry Ostrander.
- 4
- 5 Q2. Have you previously testified in this proceeding?

1 A2. Yes. I previously provided testimony on need and costs associated with the East
2 Avenue Loop Project (“EAL” or “Project”), as well as issues arising from
3 construction of the Project.

4
5 Q3. What is the purpose of your testimony?

6 A3. Condition No. 2 of the Certificate of Public Good for East Avenue Loop (“CPG”)
7 provides as follows:

8 2. Prior to proceeding with construction, Petitioners
9 shall file, for the Board’s approval, final construction plans
10 for the Project, which Project plans shall conform
11 substantially to the Project plans approved by the Order.
12 Petitioners shall note any changes in the final plans from
13 the plans approved by the Order and any affected party
14 shall have two weeks to comment on any such changes
15 from the date the plans are filed.

16 The purpose of this post-Certificate of Public Good testimony is to highlight a
17 change to the final substation construction plans that is substantially different
18 from the previously-filed Project plans (i.e., Exhibit PET 8.3.2), and to have the
19 Board approve the final plans in accordance with Condition 2. I also provide the
20 Board with an update concerning the projected costs of the Project.

21

22 **2. East Avenue Substation Plans**

23 Q4. Are the Petitioners proposing any changes to the Project in connection with
24 submission of the final East Avenue Substation?

1 A4. Yes. As explained in the separate prefiled testimony of Munir Kasti, Burlington
2 Electric Department (“BED”) proposes to replace their existing single bus 13.8
3 kV distribution switchgear with a new double-bus 13.8 kV distribution switchgear
4 within the footprint of the expanded East Avenue Substation approved under the
5 CPG. Petitioners propose to change the existing 13.8kV switchgear with new
6 switchgear, and to make appropriate changes required to the 13.8kV Box
7 Structure to accommodate the new switchgear. These changes are reflected on
8 the revised 212-6000 General Arrangement Plan and 212-OL-0001F One Line
9 Diagram included in Exhibit PET 8.3.2.1. Typical elevation and size of the new
10 switchgear have been included. Exact dimensions are not known until a vendor is
11 selected; however, the new switchgear will be about the same height as the
12 existing switchgear and is not expected to significantly change the substation
13 profiles.

14
15 The Final General Arrangement Plan for the East Avenue Substation has not been
16 changed since the original Exhibit PET 8.3.2 was filed with the Petition in April
17 2007.

18
19 **3. Cost**

20 Q5. Based on the switchgear and other East Avenue Substation design changes being
21 proposed, what is the revised total projected cost of the Project?

1 A5. The estimated cost to add the switchgear and supporting infrastructure to this
2 project is \$2,596,991 (\$2,028,000 as noted in Mr. Kasti's testimony plus
3 \$568,991 for the additional 13.8kV supply to the new switchgear). This results in
4 a total revised estimated Project cost of \$46,081,000 rounded to the nearest
5 thousandth, as opposed to the original \$43,484,000 at the time the petition for
6 Certificate Public Good was filed. The revised Project cost estimate is included
7 as Exhibit PET 7.2.1.

8

9 Q6. Is the added expense eligible for regional cost sharing?

10 A6. As the additional set of 13.8 kV switchgear and related control equipment is
11 related solely to distribution voltage, it is not eligible for regional cost sharing
12 through ISO-NE. The previously filed estimate that is approved by ISO-NE for
13 regional cost sharing could be reduced by as much as \$250,000 as a result of the
14 additional non-pool transmission facility equipment.

15

16 **4. Conclusion**

17 Q7. Does this conclude your testimony at this time?

18 A7. Yes, it does.