

VEC
Jay Area Reliability Study

VEC Jay Area Reliability Study

- Involves VEC 46 kV System between Highgate, Newport and Irasburg (+/- 60 miles)
- VEC identified the need for 46 kV capacitor banks in the vicinity of Jay Peak in its 2008 Integrated Resource Plan (IRP).
- Preliminary engineering completed to install four (4) 2.7 MVAR capacitor banks at the existing Jay Tap facility, and replace existing air-break switches w/circuit breakers. (Jay Peak Switching Station)
- VEC filed on March 5, 2010 for Section 248 approval to construct Jay Peak Switching Station.
- Transmission system analyses performed for VEC's IRP identified the Jay Peak Switching Station project as the initial step, and that additional analyses and improvements would be required in the future.

This presentation contains Critical Energy Infrastructure Information (CEII) and cannot be distributed or released without the permission of VELCO.

VEC Jay Area Reliability Study

- New ownership at Jay Peak Resort has accelerated development plans. Previously forecast load levels will be experienced sooner.
- As a result, the “next step” needs to be determined sooner than previously anticipated.
- No “ability to serve” letters will be issued to Jay Peak Resort until the “next step” is determined.
- VEC and VELCO will initiate a study to:
 - Document reliability concerns
 - Determine the best transmission solution
 - Determine whether a non-transmission alternative can postpone reliability concerns

This presentation contains Critical Energy Infrastructure Information (CEII) and cannot be distributed or released without the permission of VELCO.

VEC Jay Area Reliability Study

- Next steps
 - Finalize scope of work, including reliability criteria to be utilized
 - Authorize VELCO to begin work
 - Validate forecast load growth at Jay Peak Resort
 - Provide status reports to the VSPC

This presentation contains Critical Energy Infrastructure Information (CEII) and cannot be distributed or released without the permission of VELCO.