

Ben Lomond to Terminal

New transmission project to help meet area's growing need for electricity

Project overview

As part of a \$6 billion investment in new transmission facilities announced in 2007, Rocky Mountain Power has constructed a new double-circuit 345kV transmission line from the Ben Lomond substation located in Box Elder County, Utah, to the Terminal substation located near the Salt Lake City International Airport. This new transmission line is located in existing right of way, adjacent to other existing transmission lines, and was energized spring 2010.

Project purpose and need

Rocky Mountain Power is committed to providing safe, reliable electrical service to its customers in the most efficient manner. Northern Utah represents the fastest growing area within the state and constitutes one of the major growth areas within the region. Due to rapid population growth and increasing use of electricity by existing customers, it is estimated the company will need additional transmission capacity throughout the region to meet its obligation to serve customers.

The new transmission lines and expanded substations will also provide added capacity and improved reliability in serving customers. In addition, new transmission lines will connect to additional transmission projects planned in the region and with existing and future generation resources, including renewable resources such as wind.

Project description

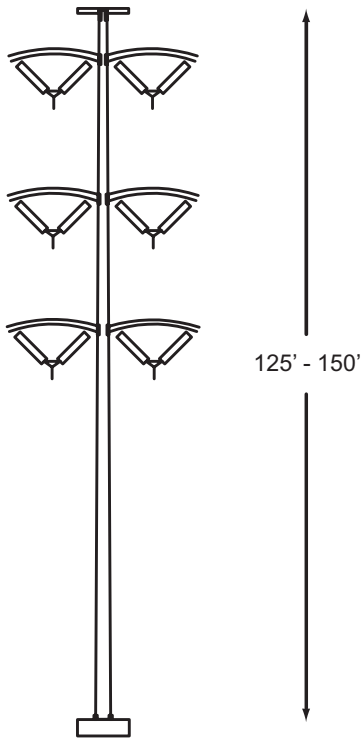
This new line was placed in an existing transmission line corridor between the Ben Lomond substation in Box Elder County and the Terminal substation in Salt Lake City, a distance of approximately 46 miles. This double-circuit 345kV transmission line consists of:

- 30 miles of new single-pole steel structures between the Ben Lomond substation and the Parrish substation in Centerville City;
- from the Parrish substation to the Terminal substation, the existing 230kV lattice structures were replaced with single-pole steel structures and the line upgraded to 345kV.

In order to accommodate the new transmission line, both the Ben Lomond and Terminal substations were expanded. Restoration and revegetation efforts started Spring 2010 and will be ongoing through Fall 2011 to allow for the growing season.



This map shows the location of the Ben Lomond to Terminal transmission line project.



Typical 345kV structure used in the new transmission line project.

Project timeline

Prior to construction, Rocky Mountain Power met with agencies, local governments and others, gathering information and input regarding the project. Permits for construction were obtained from the various jurisdictions along the line route. The following is a brief timeline of the project:

October 2007 – September 2008

- Informational and public meetings

December 2007 – October 2008

- Project permitting

February 2009 – March 2010

- Project construction

March 2010

- In-service date

Spring 2010 – December 2010

- Restoration and revegetation

For more information, please contact us:

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Information for this project can be found by clicking on "Ben Lomond to Terminal."

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**Please specify Ben Lomond to Terminal project in your inquiry.*



Let's turn the answers on.