



HL&P Transmission Line Rebuild and Second Point of Interconnect

Transmission Improvement and Second Path for Service

In 2014, Heber Light & Power and Rocky Mountain Power began working on the first phase of a multi-year project to rebuild 10 miles of transmission line from the Jordanelle Substation, located along the old Highway 40 below Jordanelle Dam, to the Midway Substation, located west of the Midway Cemetery, and to add a second Heber Light & Power electrical interconnection into the Western Transmission Grid, at the Ray Ferrell Generation Plant east of the Wasatch County Fair Grounds. This project will increase electrical service capacity and reliability to the Heber Valley, and surrounding area, by completing a transmission loop between Park City and Orem using Heber Light & Power's existing transmission and transportation corridors. The project will include rebuilding Heber Light & Power's south transmission line, from Heber City to Midway Substation, and constructing a transmission line between Heber City and Jordanelle Substation.

Why does the Heber Valley need this?

This is a critical project for the Heber Valley as the area experiences significant and steady population growth year after year. It is imperative that infrastructure continues to be replaced and improved to meet the demands of growth. Currently, Heber Light & Power receives up to 75 percent of its energy from a single point of interconnect to the Western Grid via the Rocky Mountain Power line in Provo Canyon. One point of interconnect to the grid cannot continue to sustain the growth in the area and puts customers at risk of prolonged outages. Wasatch County and surrounding areas will benefit from the increased capacity that a second point of interconnect will provide. The added capacity will sustain new residential and economic growth and provide reliability.

Looking to the Future

In the immediate future, the capacity of the single path from Provo Canyon will be inadequate to serve customer needs. While infrastructure improvements are necessary to support growth, they are also expensive. The high cost of the transmission improvements have been reduced by working jointly with Rocky Mountain Power on this project. By attaching both entities facilities on the same poles, Heber Light & Power can save over half of what the project would cost if Heber Light & Power were to complete it alone. Sharing infrastructure also minimizes the number of poles and lines running in and around the valley. Rather than each entity building its own line, sharing facilities means that there will only be one line that follows an existing transmission path.



Question & Answers

Why is Heber Light & Power rebuilding this power line?

The existing line is more than 25 years old and needs to be rebuilt to maintain and improve system reliability. Also, the Heber Valley is growing exponentially, and new homes and businesses are creating greater power demands on Heber Light & Power's power grid. The upgraded line will improve system capacity and reliability by creating redundancy through a second path of service with Rocky Mountain Power's system.

Why is Rocky Mountain Power part of this project?

Both Heber Light & Power and Rocky Mountain Power need this power line rebuilt for both separate and complementary reasons. Heber Light & Power needs a second service path for capacity, redundancy, reliability and future power load growth. Rocky Mountain Power needs to complete a similar second path of electrical service providing capacity and redundancy to customers in Wasatch County and surrounding areas. Closing the transmission loop is needed for Heber Light & Power to gain the capacity that is required to serve future loads. Working on this project together creates synergies and cost savings that benefit customers of both companies. Constructing both companies' facilities on the same poles lowers costs and consolidates both companies' facilities to one run of poles instead of two separate runs and follows established transmission corridors, crosses the Heber Light & Power property where the second point of interconnection is located, and follows transportation corridors.

Why don't you install underground transmission?

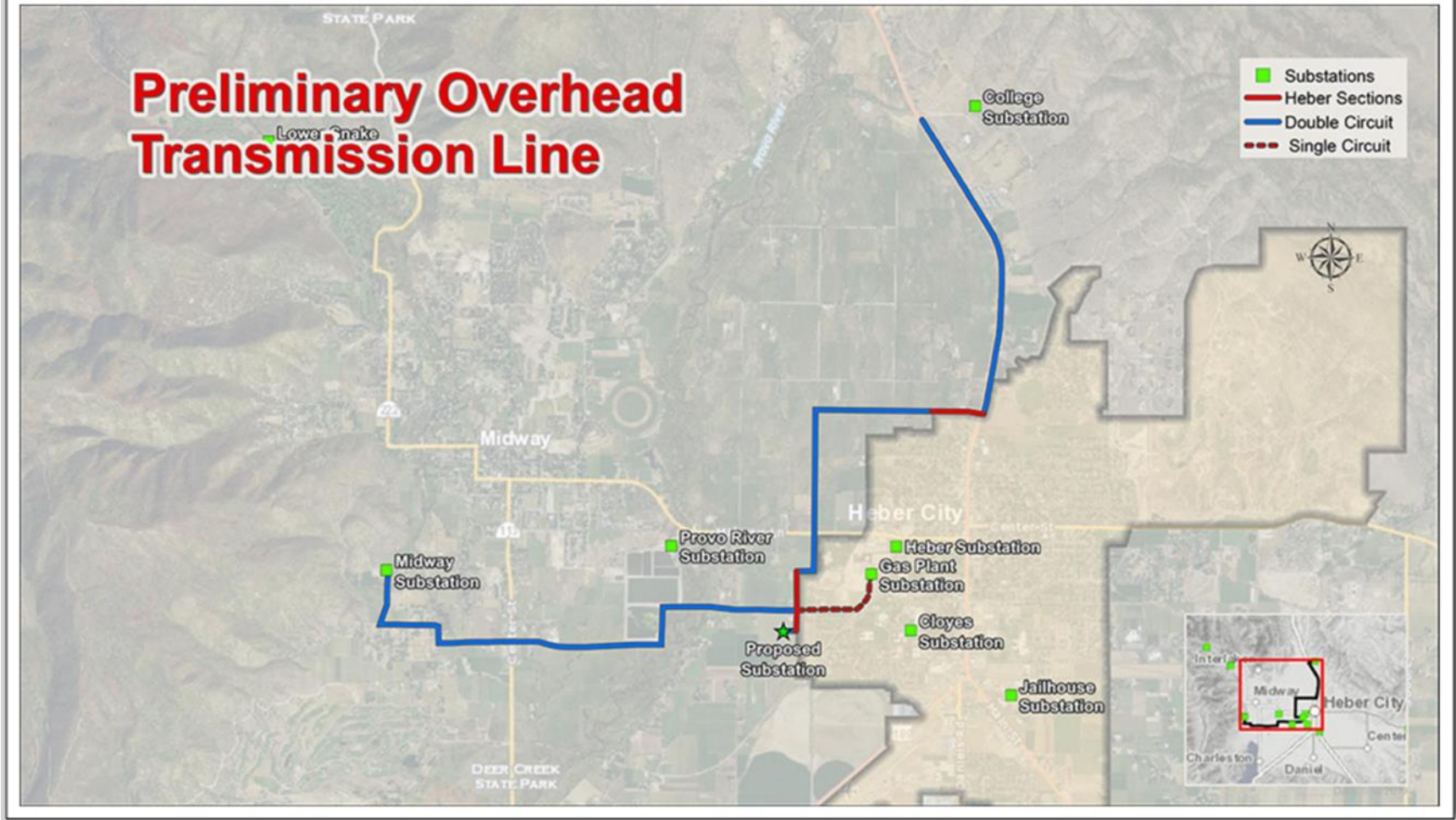
Installing a transmission line underground is a very expensive and intrusive process. The easement corridors need to bury transmission are much wider which makes them more expensive, also the installation and maintenance costs are much higher. On average, an underground transmission line costs between four and seven times more than overhead. It is unfair to transfer those costs on to our customers. Overhead power lines are a national standard and Heber Light & Power feels it is the best value for customers in both cost and reliability.

When will construction begin? What is the timeline?

Construction on this line has already begun, in 2014, a one-mile section was completed on Highway 40 north of Heber City. We need to finish the entire project in 2020.



Updated route map with the new section in Heber City highlighted.





Wave Article September 3, 2014

Heber Light & Power 138 kV/46 kV Line Project Information

Heber Light & Power is looking forward to adding a second point of interconnect to the Western grid through a joint project with Rocky Mountain Power. Local contractors will soon begin work on the first phase of a 10-mile project adding a new 138 kilovolt and 46 kilovolt transmission line from the Jordanelle Dam area to the Midway Substation. The project, which completes a loop between Park City and Orem, is part of a larger regional project for Rocky Mountain Power. Heber Light & Power is excited to see the new lines benefit the Heber Valley as Rocky Mountain Power works to strengthen infrastructure in the region.

Rocky Mountain Power will replace current poles with 75 to 100-foot rusticated steel or wood poles throughout the entire project. These poles will support a transmission circuit and a distribution circuit for each utility. The new 138 kilovolt/ 46 kilovolt lines will follow existing power line routes whenever possible and will eliminate the need for multiple lines in the area north of Heber City along Highway 40.

The real benefit of this project for Heber Light & Power customers is the added capacity for a second point of interconnect to the Western Grid. The second point of interconnect is an answer to the question of how to continue to provide reliable electric service and outstanding value in the face of growing energy demands. Receiving more than 70 percent of the valley's electricity from the PacifiCorp owned power line in Provo Canyon becomes more and more of a risk to customers as growth increases energy needs. Adding the new double circuit line gives our valley increased electric service reliability and adds redundancy to the system.

In July of this year, Heber Light and Power hit a record peak system load at close to 36 megawatts and a record monthly kilowatt hour usage at 16,878,208 kilowatt hours. This translates to five percent growth in energy demands from July 2013 to July 2014. Energy requirements have grown at similar rates year after year and there is no end in sight.

To serve existing and future customers, it is important to have infrastructure that can support energy needs. Having the new lines in the Heber Valley will add the additional capacity that is required to support growth. Reliability and redundancy come with having a second point of interconnect to the grid.