

## **Central Oregon Series Capacitor**

Large load additions in the Central Oregon area require additional grid capacity to mitigate potential overload conditions for critical contingencies. BPA can currently serve up to 560 MW of load. Existing load and commitments also equate to 560 MW, indicating the limit will be reached soon. In addition, there are four line and load interconnection requests in the queue that total 500 MW, resulting in a projected need of 1060 MW of capacity. This series capacitor project is the first step in adding additional load service capability. This project will bring the load service capability up to 875 MW. Combined with a proposed main grid remedial action scheme (RAS) and local RAS (to be implemented as part of the four line and load interconnection requests in the queue), the load service capability will increase to 1145 MW. The project includes the addition of a series capacitor on the 500kV Slatt – Buckley #1 line and a reduction in the amount of compensation at Bakeoven Compensation Substation on the 500kV John Day – Grizzly #1 and 2 lines.