## NEXTGEN PROJECT ALTERNATIVES



The NextGen Project consists of a 500- to 700-Megawatt generation facility, water pipeline, transmission lines, transmission interconnections, and other associated infrastructure in central/ north-central South Dakota.

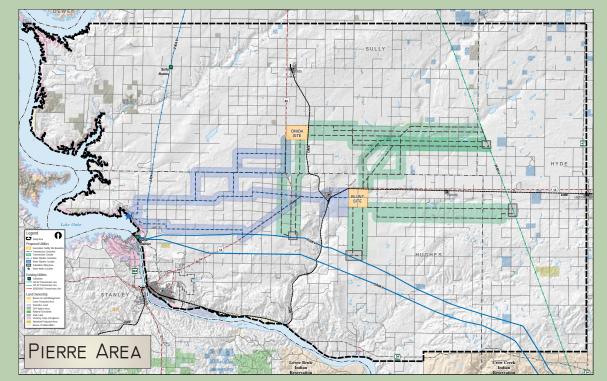
During the scoping process, Western expects to refine the four alternative generation sites to determine which of them, along with the No Action Alternative, will be evaluated in detail in the EIS.

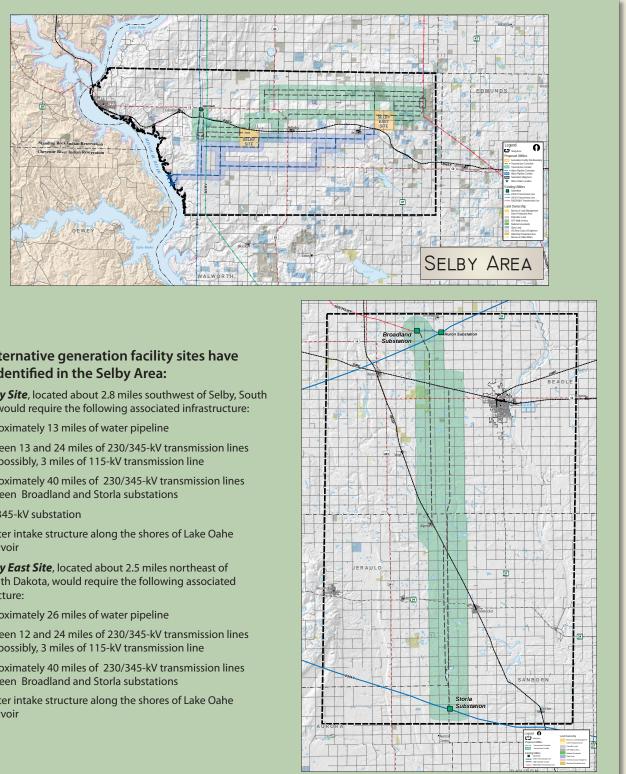
The length of the linear infrastructure required to deliver water and interconnect the transmission system will depend on the location of the site selected for the generation facility.

## Two alternative generation facility sites have been identified in the Pierre Area:

The **Blunt Site**, located about 1.7 miles east of Blunt, South Dakota, would require the following associated infrastructure:

- Between 26 and 29 miles of water pipeline
- Between 40 and 44 miles of 230/345-kV transmission lines
- 230/345-kV substation
- A water intake structure along the shores of Lake Oahe Reservoir
- The **Onida Site**, located about 2.5 miles south of Onida, South Dakota, would require the following associated infrastructure:
- Approximately 24 miles of water pipeline
- Between 52 and 64 miles of 230/345-kV transmission lines
- 230/345-kV substation
- A water intake structure along the shores of Lake Oahe Reservoir





## Two alternative generation facility sites have been identified in the Selby Area:

The **Selby Site**, located about 2.8 miles southwest of Selby, South Dakota, would require the following associated infrastructure:

- Approximately 13 miles of water pipeline
- Between 13 and 24 miles of 230/345-kV transmission lines and, possibly, 3 miles of 115-kV transmission line
- Approximately 40 miles of 230/345-kV transmission lines between Broadland and Storla substations
- 230/345-kV substation
- A water intake structure along the shores of Lake Oahe Reservoir

The **Selby East Site**, located about 2.5 miles northeast of Java, South Dakota, would require the following associated infrastructure:

- Approximately 26 miles of water pipeline
- Between 12 and 24 miles of 230/345-kV transmission lines and, possibly, 3 miles of 115-kV transmission line
- Approximately 40 miles of 230/345-kV transmission lines between Broadland and Storla substations
- A water intake structure along the shores of Lake Oahe Reservoir

