

Lookout Solar Project

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Owner of the Project

- Lookout Solar Park I, LLC, a subsidiary of WIRCON USA Inc., is the owner of the project.
- WIRCON group of companies have extensive international experience developing solar projects.



Project Overview

Solar Panels and
Possible Energy
Storage Facility



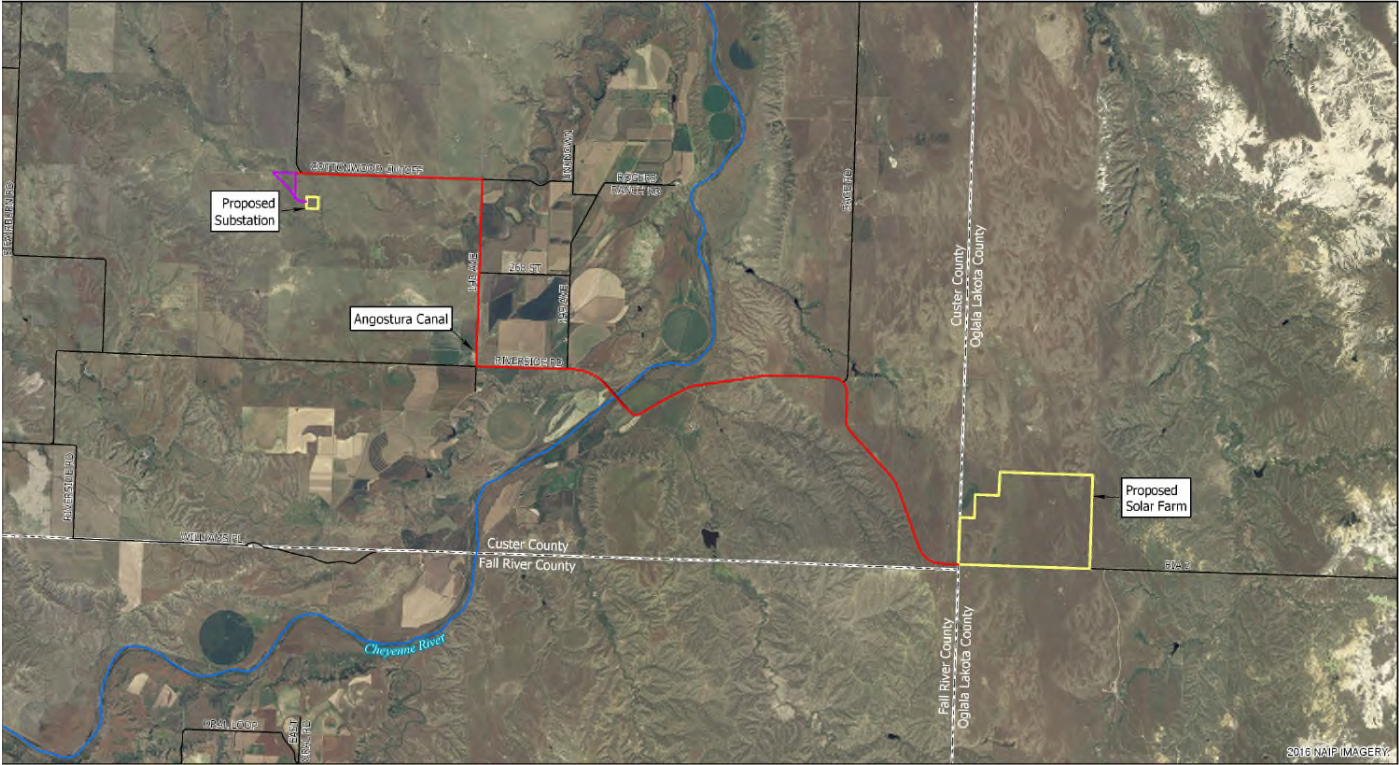
34.5 kV Transmission Lines



Substation and Connection
to 230 kV Transmission Line



Project Map



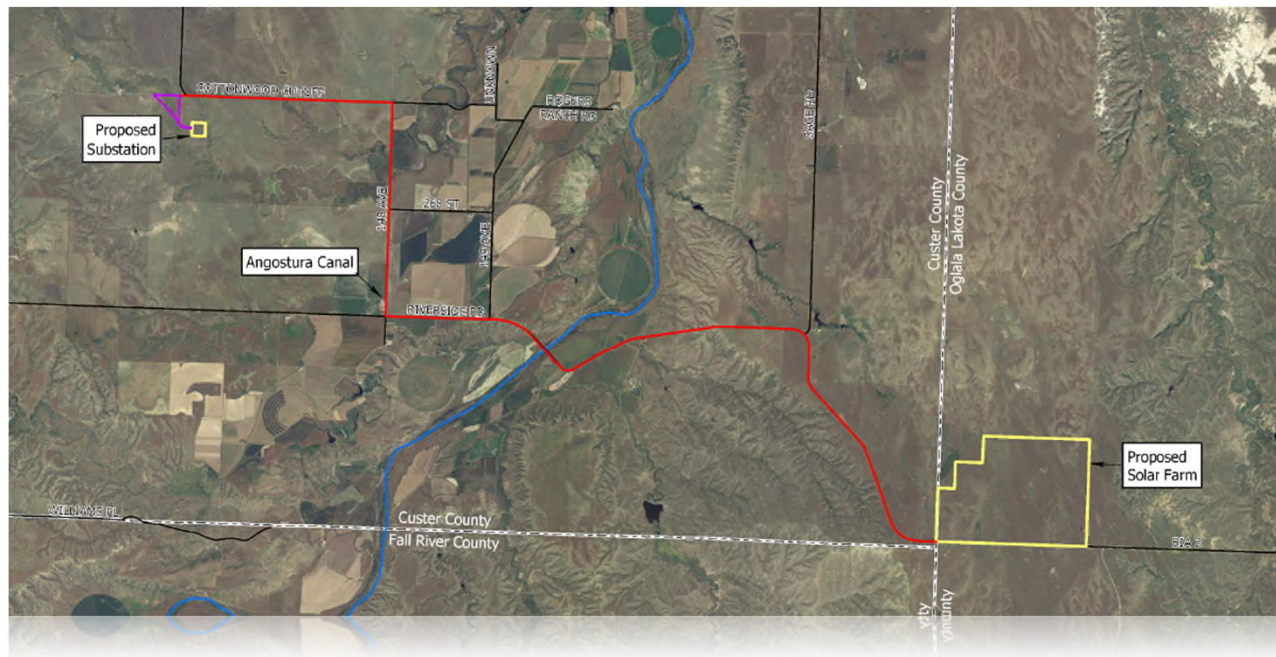
The Solar Arrays

- The project would include up to 500,000 solar panels.
- There would be some additional access roads to reach all of the panels and equipment within the solar park.
- There would be an operating and maintenance facility within the solar park.
- There would be lay down areas during construction within the solar park.



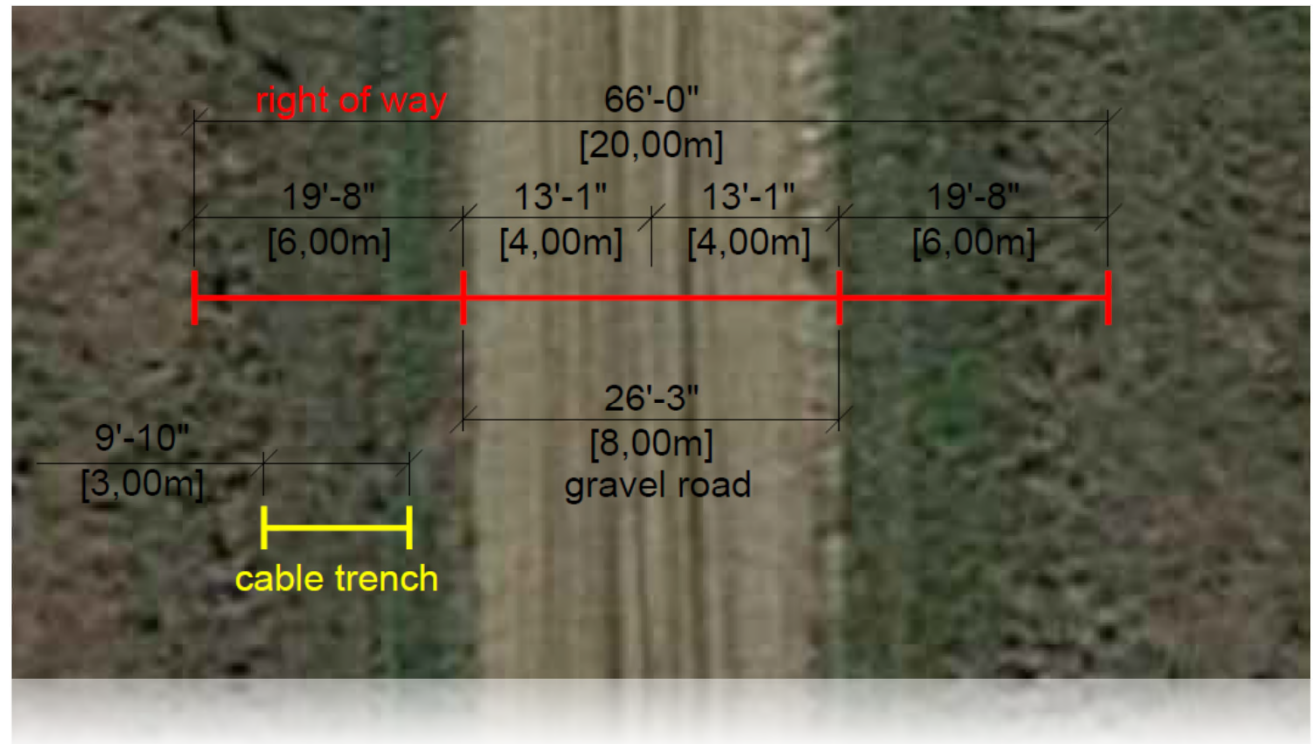
The Transmission Line

- Approximately 11 miles.



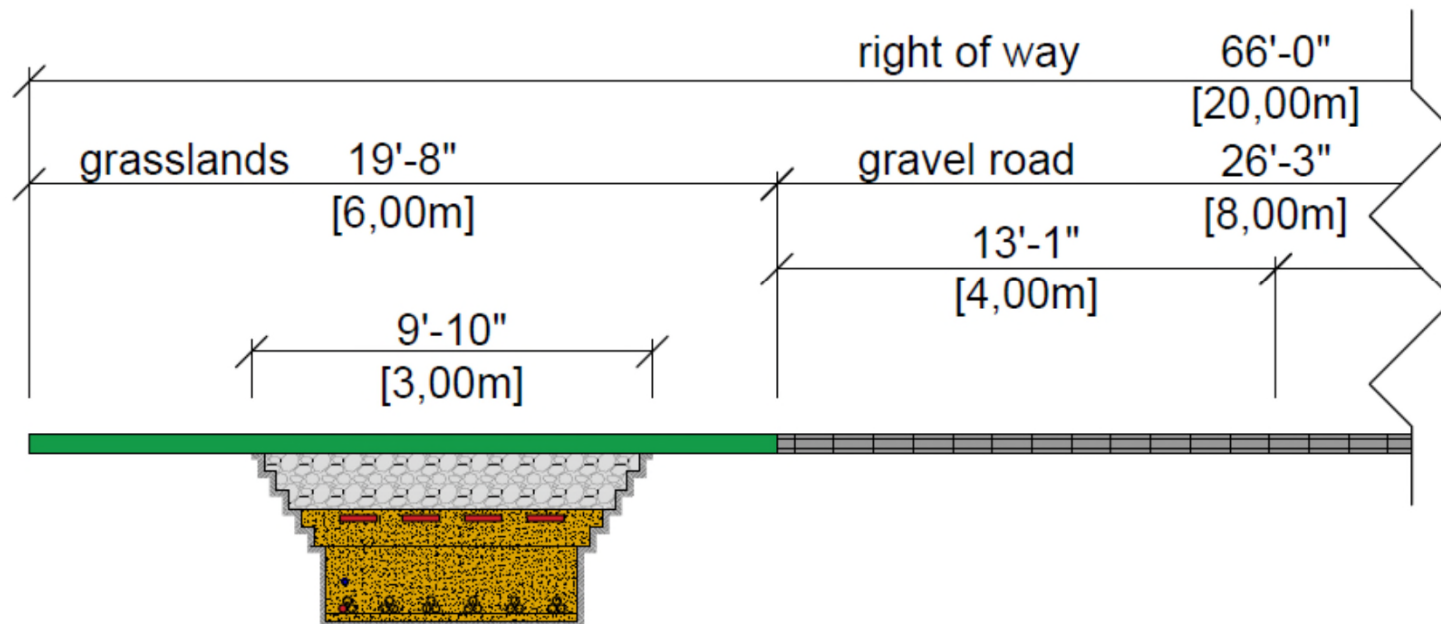
The Transmission Line

- The cables would be underground, within the right-of-way (66 feet) in Custer County roads (Riverside Road, 148th Avenue, Cottonwood Cutoff).



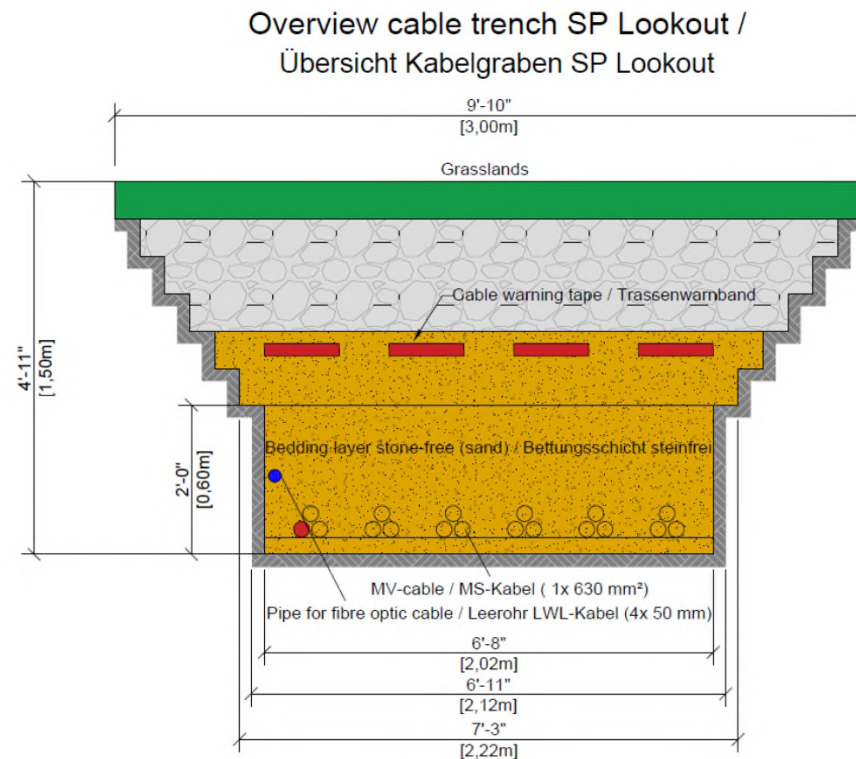
The Transmission Line

- The width of the trench for the transmission line:



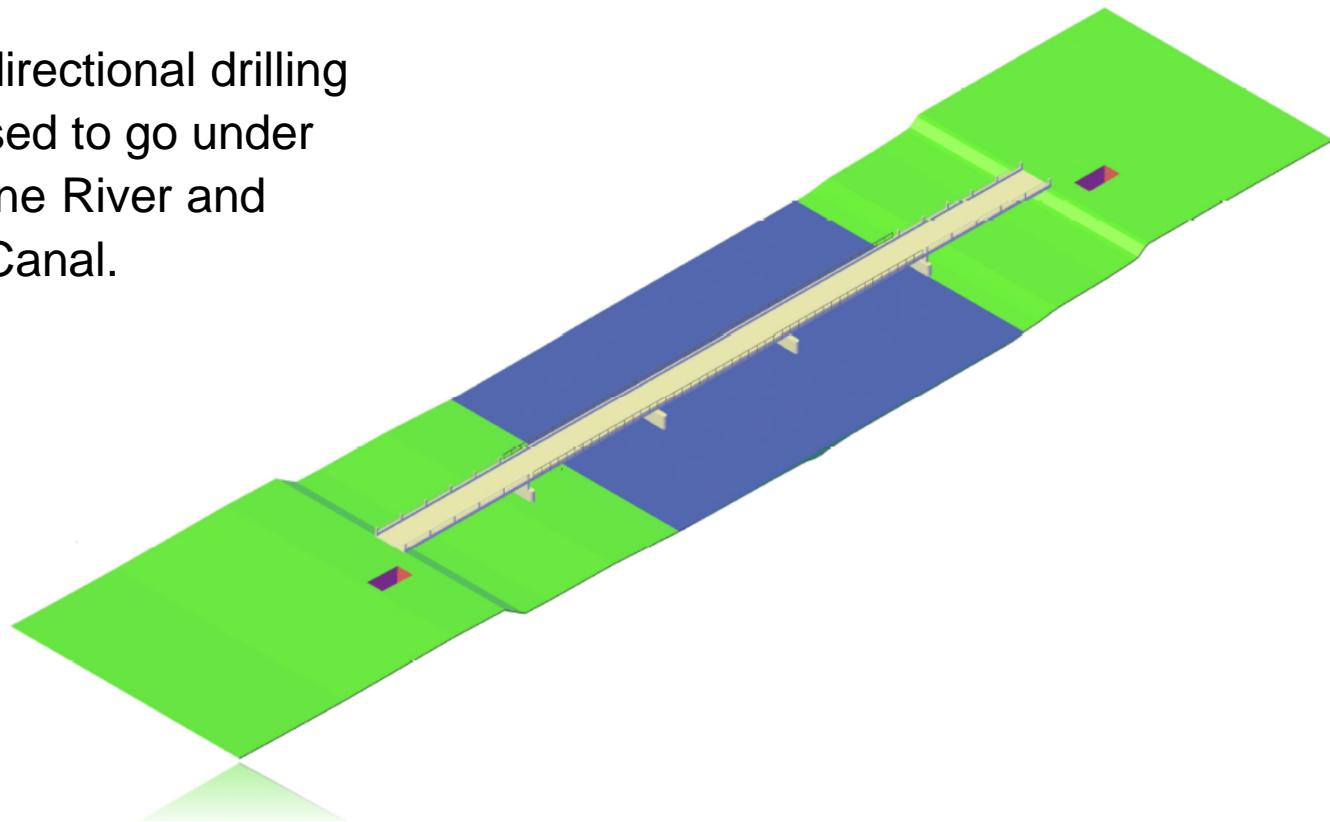
The Transmission Line

- There would be up to eighteen 34.5 kV cables bundled together running from the solar arrays to the substation.



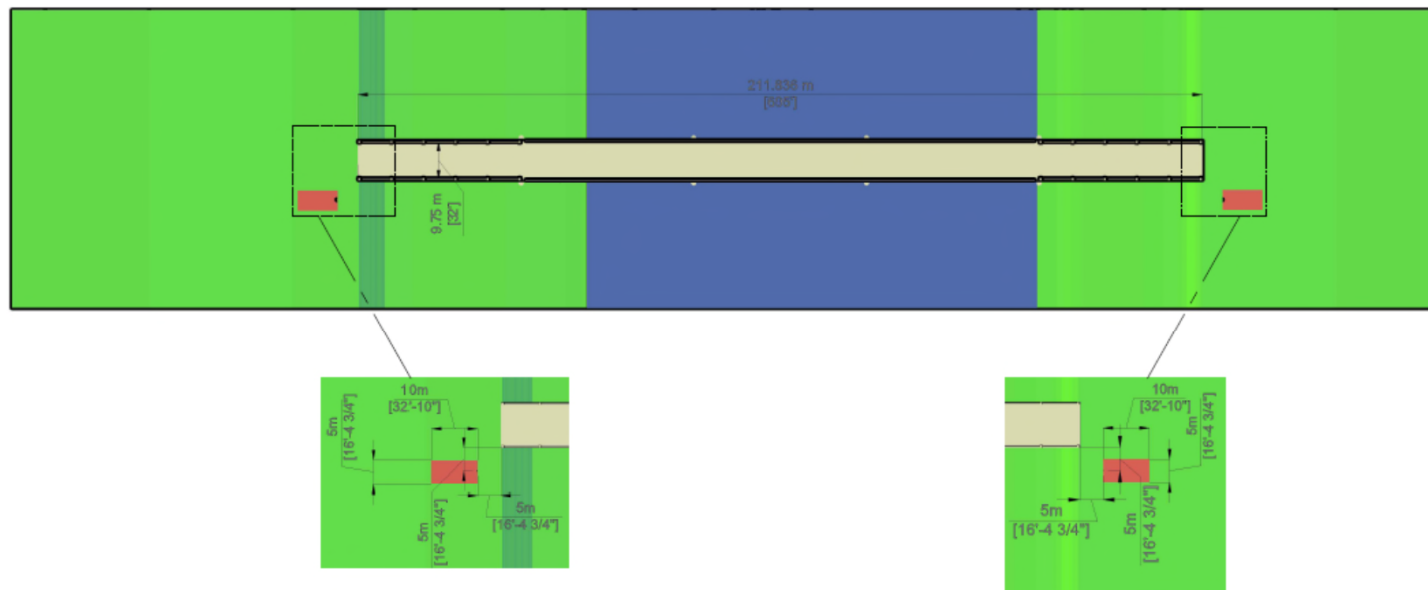
The Transmission Line

- Horizontal directional drilling would be used to go under the Cheyenne River and Angostura Canal.



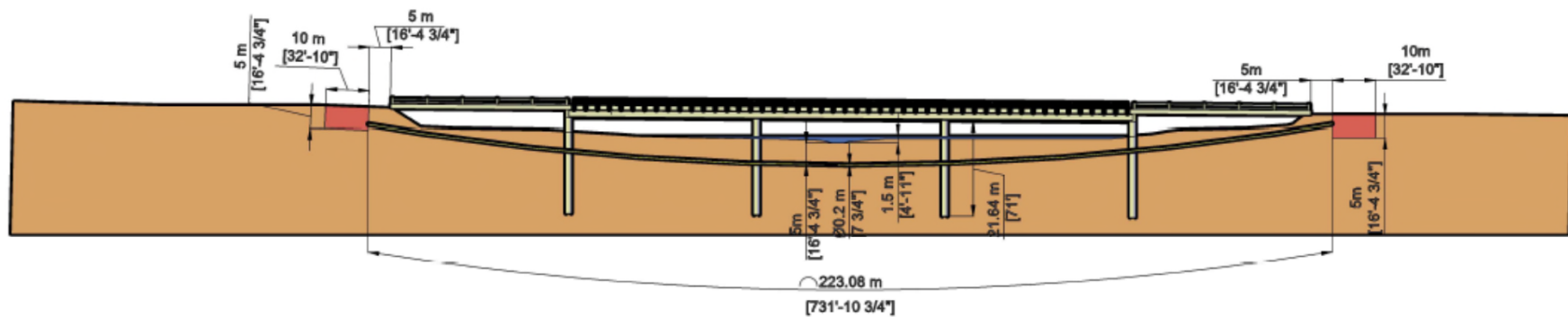
The Transmission Line

- Top view of horizontal directional drilling.



The Transmission Line

- Front view of horizontal directional drilling.



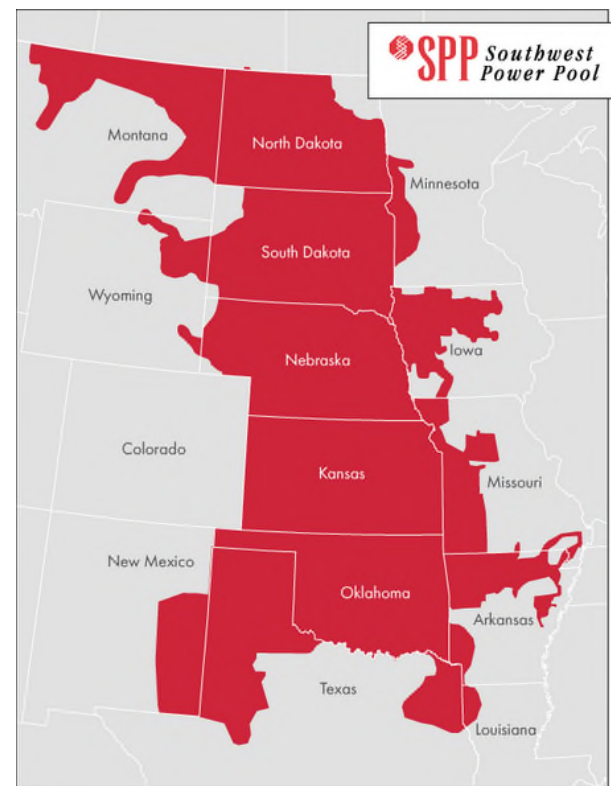
The Substation and Interconnection

- The substation would be located on private land.
- The substation would be approximately 500 feet by 500 feet.
- The substation would connect to the 230 kV transmission lines owned and operated by the Western Area Power Administration (WAPA)



Electricity Market & Power Purchase Agreement

- The electricity would go into the Southwest Power Pool.
- Southwest Power Pool is currently working on the Definitive Interconnection System Impact Studies (DISIS) for the project.
- Lookout Solar is currently negotiating a power purchase agreement.



Governmental Approvals

Government Entity	Type of Approval
Western Area Power Administration (WAPA)	Interconnection to power lines
U.S. Bureau of Reclamation	Crossing the Angostura Canal
U.S. Forest Service	Utility permit for transmission line along Forest Service land
U.S. Bureau of Indian Affairs	Approval for the project on Indian lands
South Dakota Department of School and Public Lands	Easement for crossing the Cheyenne River
South Dakota Department of Environmental and Natural Resources	Approval for stormwater discharge during construction

Governmental Approvals

Government Entity	Type of Approval
Custer County	Approval to occupy the County right of way in roads
Custer County	Floodplain Development Permit
Custer County	Building Permit
Oglala Sioux Tribe	Business License

Project Timeline

Activity	Time
Start of Construction	Spring 2020*
Commercial Operation Date	Winter 2022*
Operation of Project	Approximately 40 years
Decommissioning	End of Project

* Revised timeline based on delays in completing the DISIS.