



South Dakota Public Input Meetings

October 2026

Project team

Otter Tail Power Company



Xcel Energy

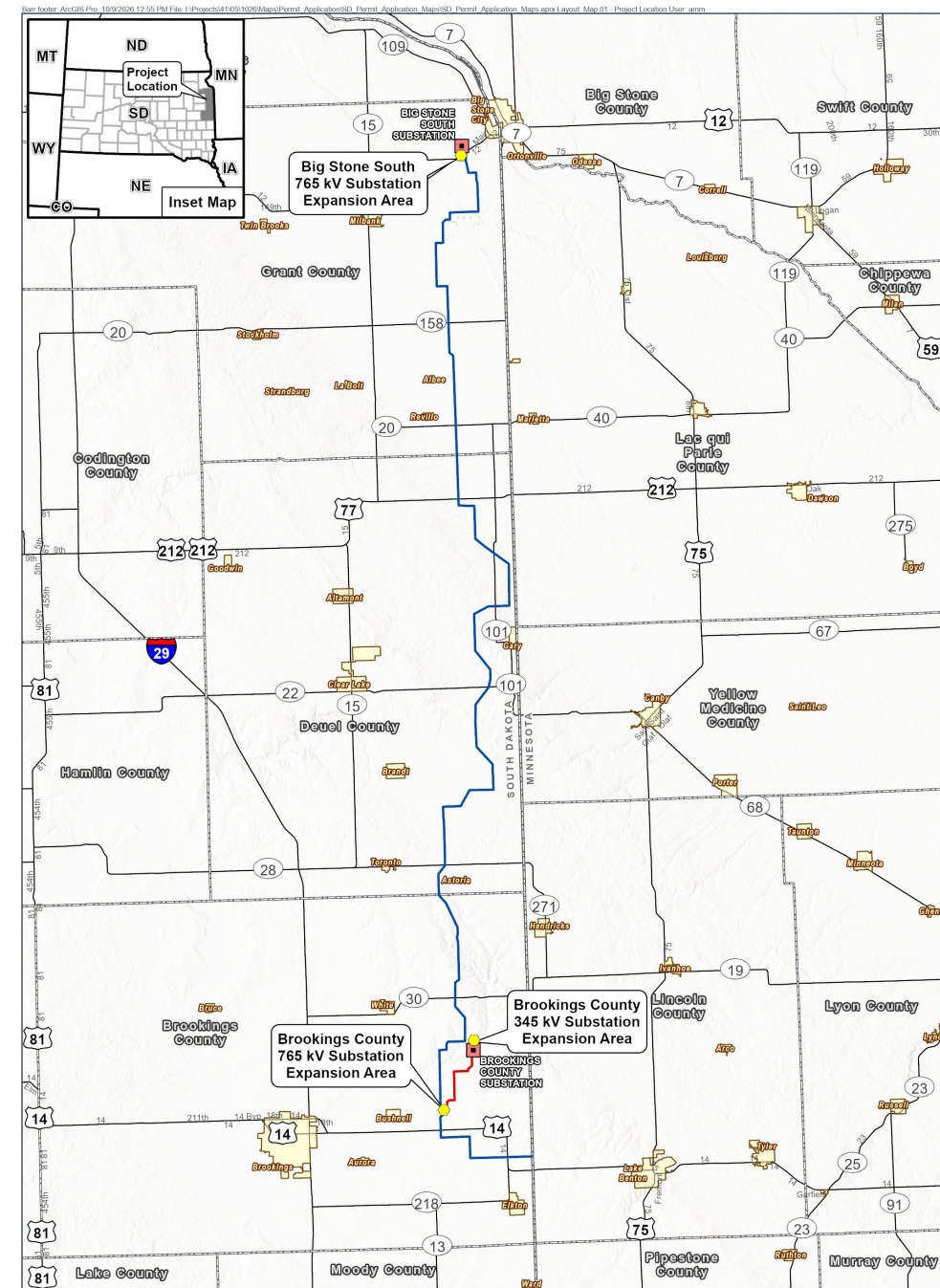


The Project



PowerOn Midwest – South Dakota

- Approx. 80- to 100-mile transmission line between the Big Stone South Substation, the Brookings County Substation, and the Lakefield Junction Substation (Minnesota).

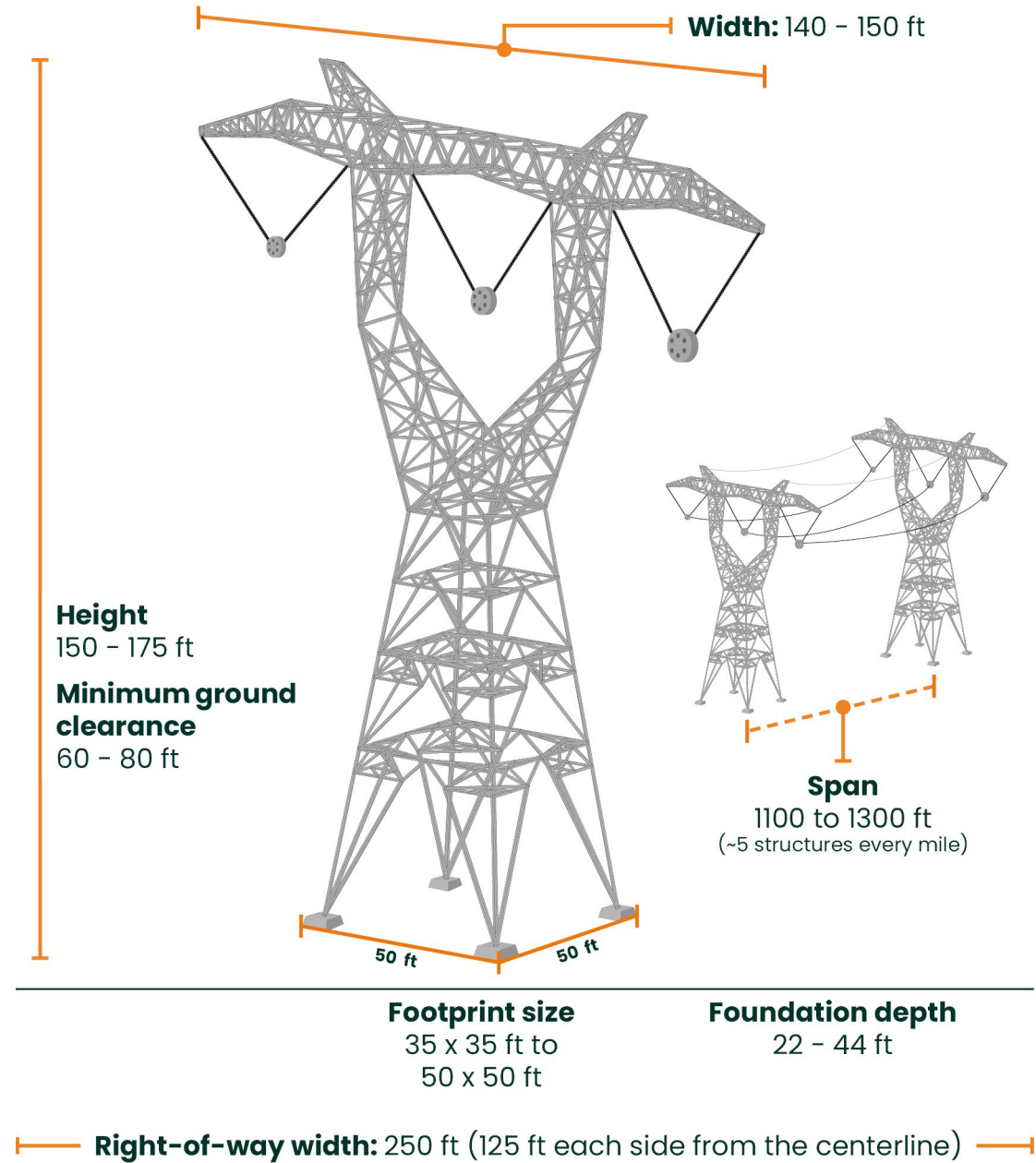


765 kV voltage



765 kV structure

- Typical structure

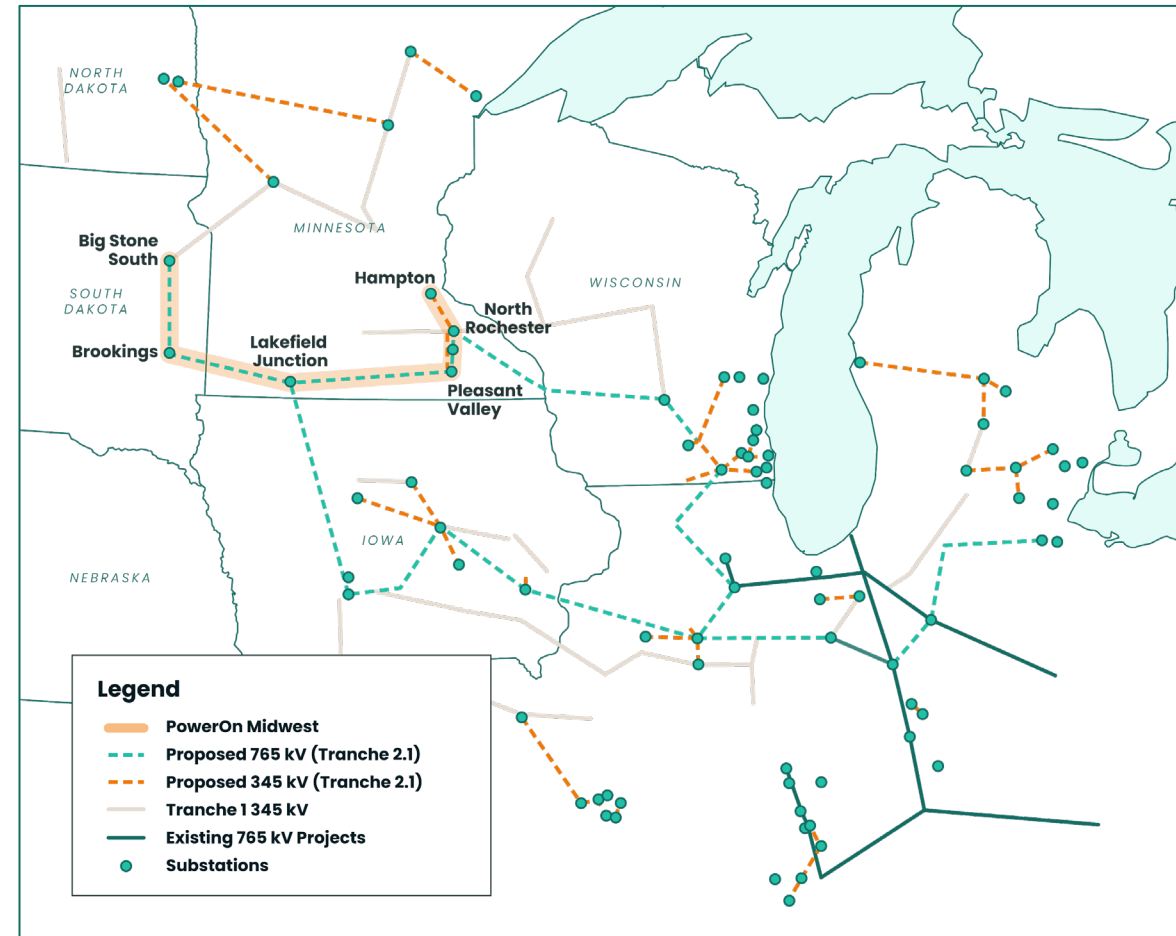


Project Need



MISO Tranche 1 & 2.1

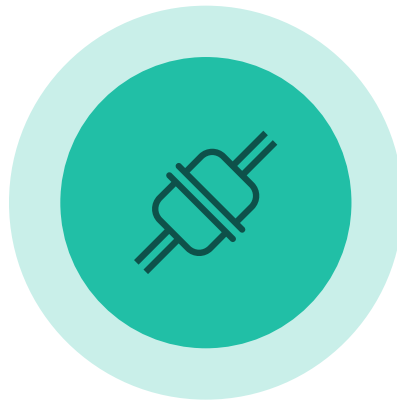
- In 2024, MISO approved Long Range Transmission Plan (LRTP) Tranche 2.1, establishing a new 765-kV “backbone” across the Midwest.
- Tranche 2.1 includes 24 projects; approx. 3,600 miles of new and upgraded transmission in MISO’s Midwest subregion. This is both 345 kV and 765 kV lines.
- Tranche 2.1 is needed to address reliability issues, promote economic efficiency, eliminate congestion, and enable interconnection of approx. 116 GW of primarily carbon-free resources.



Overall benefits



- The Project will enhance the ability of the transmission system to move energy into and out of South Dakota and “reach” to access generation across multiple states.

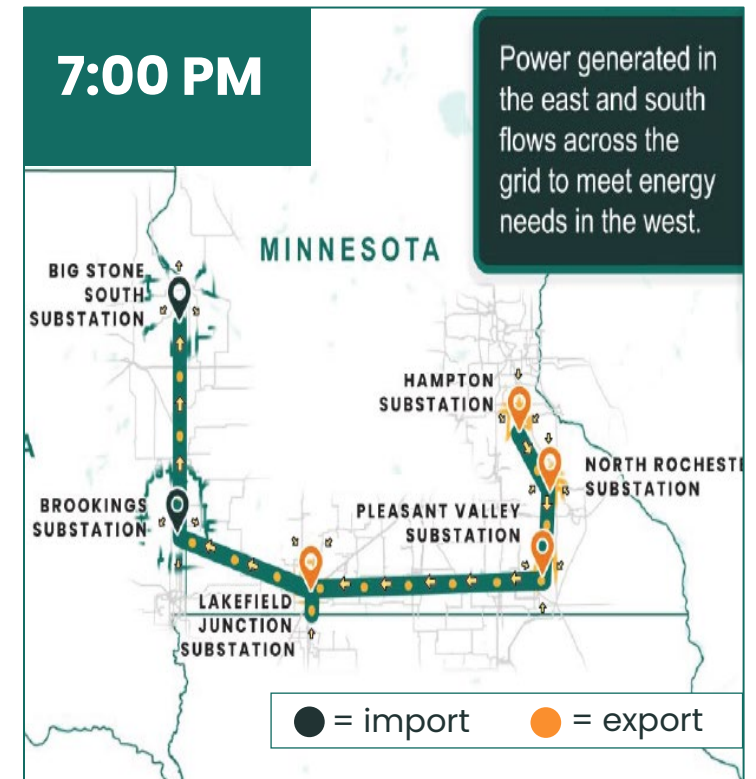
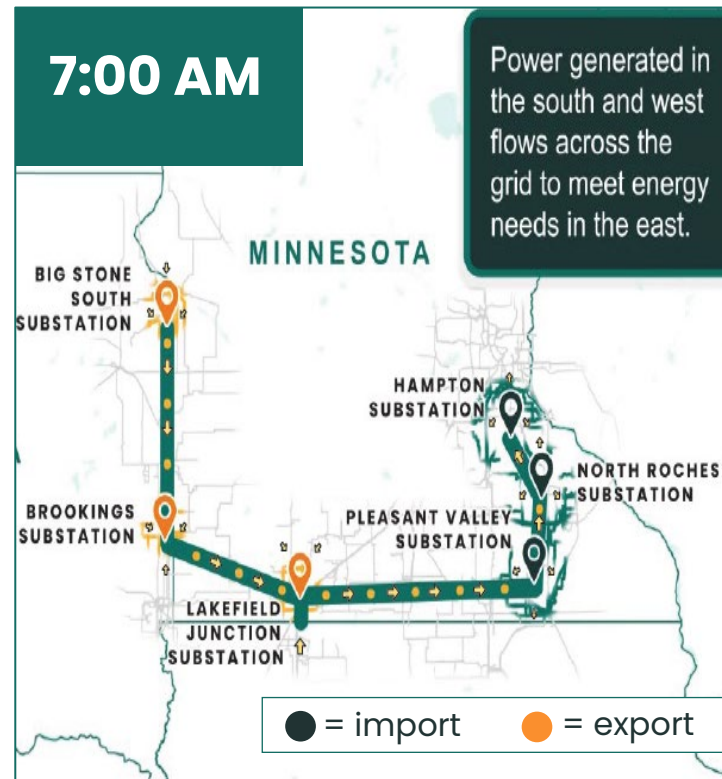


- New connections will help ensure 24/7 reliable service during ever-increasing extreme weather events.



- MISO estimates between \$11b and \$25b in economic benefits from the Tranche 2.1 projects by 2050, a return of about \$1.60 to \$3.10 for each dollar invested in the projects.

Supporting South Dakota reliability



Providing Access to Energy for Customers in Eastern South Dakota

2025 Xcel Energy South Dakota Load Served by Minnesota-Based Energy Estimate

100%+ of XEL SD Load		50%–25% of XEL SD Load		50%–25% of XEL SD Load		<25% of XEL SD Load	
Hours per Year	% of Time	Hours per Year	% of Time	Hours per Year	% of Time	Hours per Year	% of Time
4,390	50%	1,952	22%	1,159	13%	1,259	14%

2025 OTP South Dakota Load Served by Non-South Dakota Based Energy Estimate

100%+ of OTP SD Load		99%–50% of OTP SD Load		50%–25% of OTP SD Load		<25% of OTP SD Load	
Hours	% of Time	Hours	% of Time	Hours	% of Time	Hours	% of Time
928	11%	48	1%	11	0%	7,773	89%

Permitting & Schedule



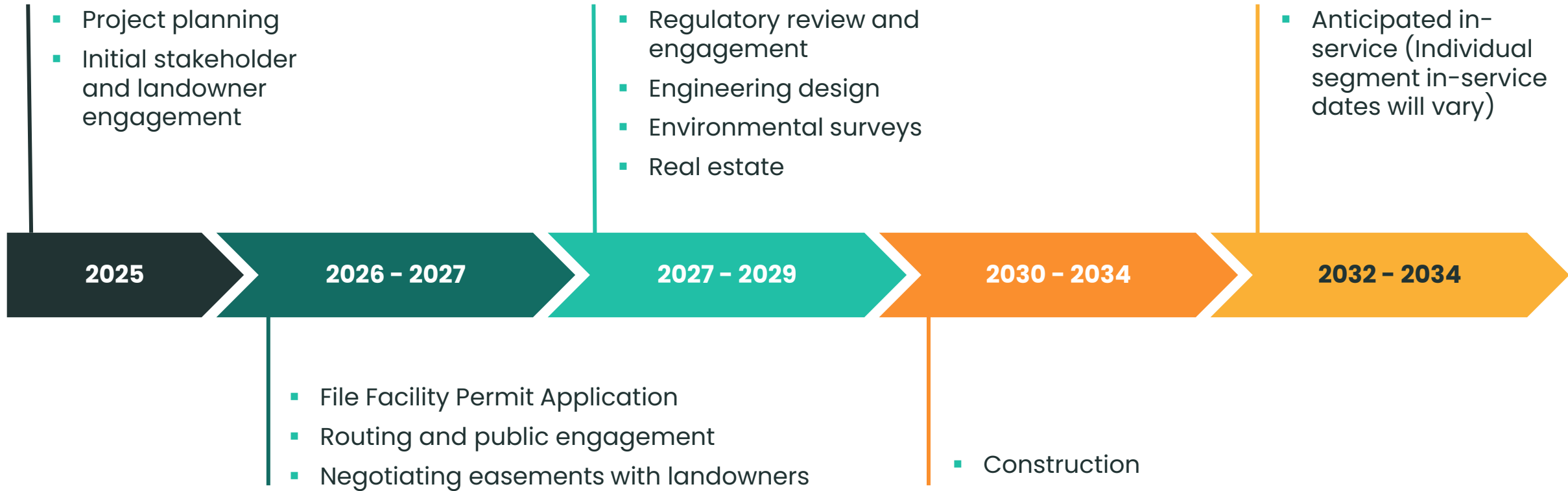
PowerOn South Dakota permitting

Requires approval from the South Dakota Public Utilities Commission (Facility Permit) and county approvals (Conditional Use Permit).

Facility Permit

Conditional Use Permit (CUP)

Schedule



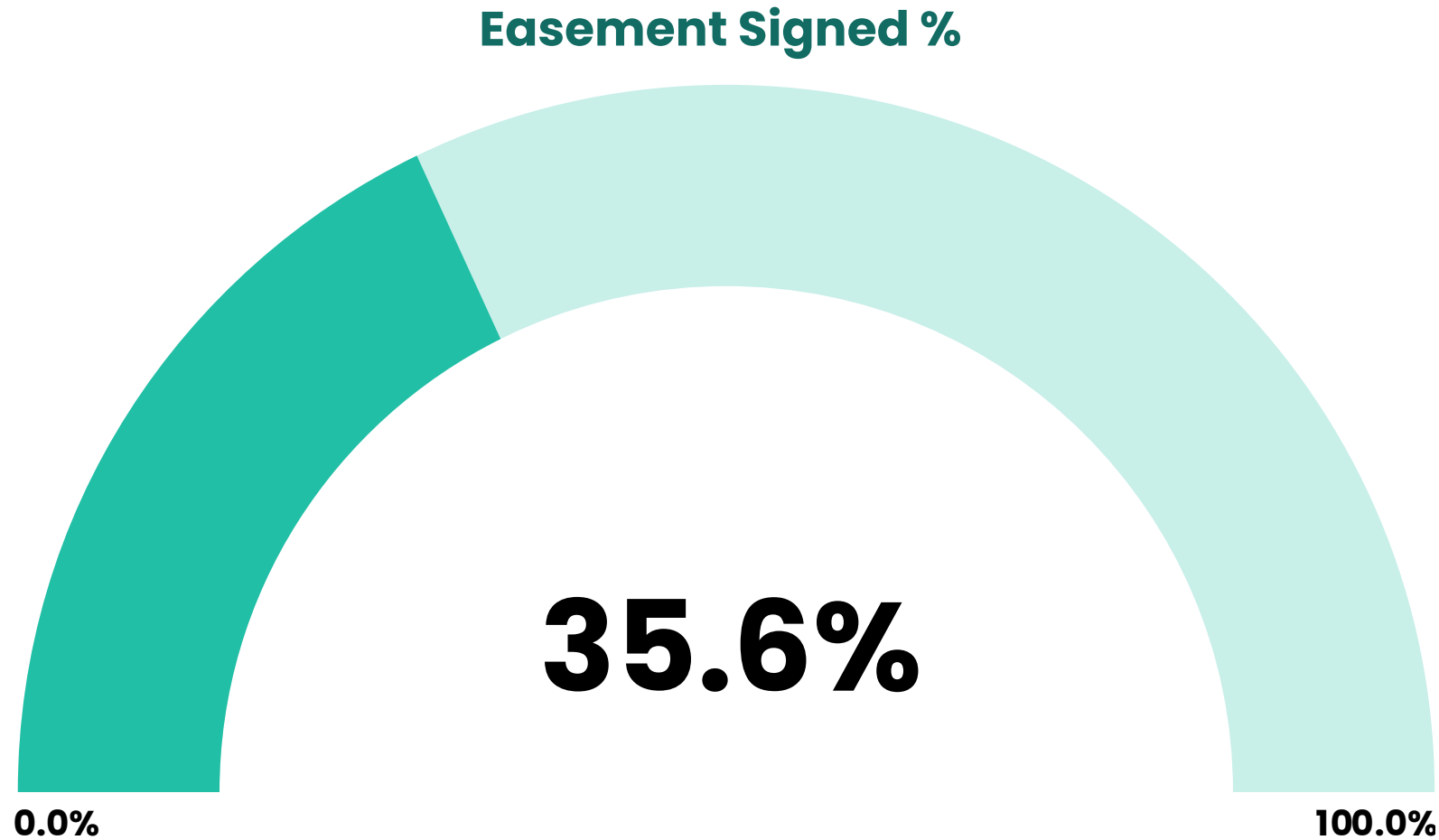
This schedule is preliminary and subject to change.



Land Acquisition



Land acquisition status



295

Parcel Count

105

Easement Signed

**Public
outreach**



Stakeholder Outreach

Who we met with

- Grant County
- Deuel County
- Brookings County
- Multiple Tribal Nations
 - Apache Tribe of Oklahoma
 - Cheyenne and Arapaho Tribes
 - Oklahoma Flandreau Santee Sioux Tribe of South Dakota
 - Fort Belknap Indian
 - Community of the Fort Belknap Reservation of Montana
 - Lower Sioux Indian Community in the State of Minnesota
 - Prairie Island Indian Community in the State of Minnesota
 - Santee Sioux Nation, Nebraska
 - Shakopee Mdewakanton Sioux Community of Minnesota
 - Sisseton-Wahpeton Oyate of the Lake Traverse Reservation
 - South Dakota Spirit Lake Tribe
 - North Dakota Upper Sioux Community
 - Minnesota Yankton Sioux Tribe of South Dakota
- SD State Historic Preservation Office
- SD Dept. of Agriculture and Natural Resources
- SD Dept. of Transportation
- SD Dept. of Tribal Relations
- SD Game, Fish & Parks
- US Army Corps
- US Fish and Wildlife
- Bureau of Indian Affairs
- US Environmental Project Agency
- Natural Resource Conservation Service:
 - Milbank
 - Brookings
 - Clear Lake
- Farm Service Agency
 - State office
 - Brookings

Topics Covered

- Project introduction
- Concerns regarding sensitive animal species
- Surveying preferences
- Project updates – updated route alignments
- Project coordination with various government bodies
- Routing, construction, wetland and water resources, permitting and environmental compliance
- Cultural resources

Total of **50 meetings, letter and emails with various agencies, Tribes and local government beginning October 2025**





Thank You



Connect with us



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