

APPENDIX A

SOUTH DAKOTA FACILITY DESCRIPTION

SOUTH DAKOTA FACILITY SITE DESCRIPTION

The South Dakota Facility is located in Brown, Day, and Grant counties, South Dakota. See Figure 1 for a Project Overview and Figure 2 for a detailed review of the South Dakota Facility and Figure 3 for the United States Geological Survey (USGS) topographic maps. At the North Dakota/South Dakota state border in north-central Brown County the South Dakota Facility continues south along 388th Avenue for about 20 miles. The South Dakota Facility turns east along 120th Street for about 3.5 miles and then turns south along the half section for approximately 4.5 miles between 391st and 392nd Avenues. It then turns east along 124th Street for about 5 miles, turns south along half sections for approximately 3.5 miles, and turns east for nearly 0.5 miles along 128th Street. The South Dakota Facility then turns south for approximately 3.0 miles along 397th Avenue, and then turns east for about 3.5 miles along 131st Street. The South Dakota Facility turns southeast for approximately 0.75 miles and then continues east, south of 131st Street for approximately 10.25 miles. The South Dakota Facility turns south along 411th Avenue for about 5.75 miles, crossing US Highway 12 and a railway, and then turns east along 137th Street for nearly 6 miles, extending slightly south of Andover. The South Dakota Facility heads south through the half sections between 417th and 418th Avenues for about 11 miles, curving west to follow the railway near 141st Street, and then turns east along 148th Street for approximately 11.5 miles. The South Dakota Facility turns south along 429th Avenue for about 0.5 miles, then turns east along half section lines between 148th Street and 149th Street for approximately 2 miles, and then turns south for about 2.5 miles along 431st Avenue. The South Dakota Facility turns east for almost 9.5 miles along 151st Street and then turns south for about 0.5 miles along the half section. The South Dakota Facility then heads east through half sections between 151st and 152nd Street for about 8.5 miles and then turns north for approximately 0.5 miles along 449th Avenue. The South Dakota Facility turns east along 151st Street for nearly 4.5 miles, turns north for about 1 mile, and then continues east along 150th Street for approximately 9.0 miles. The South Dakota Facility turns north for almost 1.0 mile and then turns east along 149th Street for about 4.5 miles, turns north for approximately 1.5 miles along 467th Avenue then continues east for nearly 7.5 miles and then continues north for about 2.0 miles through half sections. The South Dakota Facility then heads east along 146th Street for about 7.5 miles, heads northeast at a diagonal for approximately 1.0 miles, turns east through half sections for approximately 1.5 miles, and turns north at 484th Avenue for approximately 0.5 miles to the Big Stone South Substation.

Table 1 provides a segment-by-segment description of the South Dakota Facility, beginning at the North Dakota and South Dakota border in Brown County, and terminating at the Big Stone South Substation in Grant County. The location provided is the township (T), range (R), and section number, while the direction refers to the direction of the transmission line as if one were traveling the South Dakota Facility from west to east. The linear feature column identifies existing land features that may be near the South Dakota Facility.

Table 1. South Dakota Facility Route Description

Location	Direction	Linear Feature	Route Miles*
T128N, R64W Section 1 North/South Dakota Border	South	388 th Avenue	20
T125N, R64W Section 13	East	120 th Street	3.5
T125N, R63W Section 15	South	Half Section	4.5
T124N, R63W Section 3	East	124 th Street	5
T124N, R62W Section 4	South	Half Section	3.5
T124N, R62W Section 28	East	128 th Street	0.5
T124N, R62W Section 28	South	397 th Avenue	3
T123N, R62W Section 10	East	131 st Street moves to quarter section in T123N, R61W Section 7 (James River Crossing)	14
T123N, R60W Section 12	South	411 th Avenue	6
T122N, R60W Section 12	East	137 th Street	6.5
T122N, R59W Section 12	South	Half section line until paralleling the railroad in sections 24 and 25 then moves to half section line in section 36	11
T120N, R59W Section 1	East	148 th street	11.5
T121N, R57W Section 35	South	429 th Avenue	0.5
T120N, R57W Section 1	East	Half Section	2
T120N, R56W Section 6	South	431 st Avenue	2.5
T120N, R56W Section 17	East	151 st Street	9.5
T120N, R55W Section 14	South	Half Section	0.5

Location	Direction	Linear Feature	Route Miles*
T120N,R55W Section 23	East	Half Section	8.5
T120N,R52W Section 7	North	449 th Avenue	0.5
T120N,R52W Section 7	East	151 st Street	4.5
T120,R52W Section 11	North	Half Section	1
T120N,R52W Section 2	East	150 th Street	9
T120N,R51W Section 16	North	Half Section	1
T120N,R51W Section 9	East	149 th Street	4.5
T120N,R50W Section 8	North	467 th Avenue	1.5
T121N,R50W Section 36	East	148 th Street	7.5
T120N,R49W Section 4	North	Half Section	2
T121N,R48W Section 20	East	146 th Street moves to Half Section in T121N,R47W sections 22 and 23	10
T121N,R47W Section 24	North	484 th Avenue, continues until the proposed Big Stone South substation	0.5

*All route miles are approximate.