

- Turbine Location
- ▲ Met Tower Location
- ▭ Project Boundary
- ▭ County Boundary
- Bedrock Elevation Contour**
- 50 Foot Contour
- 100 Foot Contour
- Bedrock Geology**
- Upper Cretaceous*
- Kp - Pierre Shale. Blue-gray to dark-gray, fissile to blocky shale with persistent beds of bentonite, black organic shale, and light-brown chalky shale.
- Kn - Niobrara Formation. White to dark-gray argillaceous chalk, marl, and shale. Weathers yellow to orange. Contains thin, laterally continuous bentonite beds, chalky carbonaceous shale, minor sand, and small concretions
- Kc - Carlile Shale. Dark-gray to black, silty to sandy shale with several zones of septarian, fossiliferous, carbonate concretions. Contains up to three sandstone units in the upper portion of the formation.

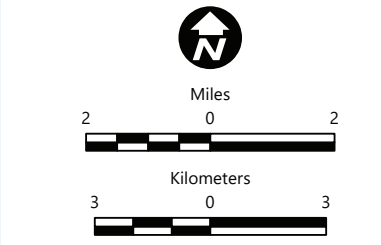


Figure 10
BEDROCK GEOLOGY
 Tatanka Ridge Wind Project
 Tatanka Ridge Wind, LLC
 Deuel County, South Dakota

Barr Footer: ArcGIS 10.6.1, 2019-06-13 17:01 File: \\projects\4119\10261\Maps\Reports\PUC_Application\Fig 10_Bedrock_Geology.mxd User: mbs2



Imagery Source: USDA NRGs NAIP, 2013