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Your Touchstone Energy® Partner 

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City of Rapid City
11-6-19 Review

Rapid City Growth Management Department

This is a request by West River Electric to extend a utility line and request the authorization of a utility easement on public property as shown on exhibit A. The proposed underground line will be installed direct burial at a minimum depth of 4 feet. All road and rail road crossings will be bored and lined with 6 inch conduit. The proposed underground powerline will consist of three 500 mcm aluminum stranded conductors insulated for 25,000v. There will be three switching cabinets and one pad mounted switch installed. The length of the project from start to finish will be 14,590 feet or 2.8 acres. The proposed interduct line will consist of a 2 inch interduct placed in the same trench as the underground powerline except for the portion from the intersection of Twilight Drive and Highway 44 east to Lytle Lane which will only have interduct. The distance for this portion of the project will be 1,102 feet or .2 acres. The interduct will be placed for a fiber optic line to be pulled in at a later date and used solely by West River Electric. The purpose of the new underground powerline will be for a tie line between multiple substations and for future load growth and load management.

The proposed underground powerline will start at the north east intersection of South Valley Drive and Blanche Street at an existing switch location. From there it will proceed east then south down to the end of Garden Lane, from this point it will continue south across City of Rapid City property and then turn east and cross Highway 16B. There will be switching cabinets installed on both the east and west sides of Highway 16B. Once across the Highway the cable route will continue north through City Of Rapid City property until the underground line reaches Highway 44.

Starting at the north west intersection of Highway 44 and Twilight Drive a 2 inch interduct will be installed under Highway 44 and then turn east under the east on/off ramp of Highway 16B. From this point the interduct will continue east until Lytle Lane where the underground powerline will join the interduct and continue east in the Highway 44 ROW. On the south east intersection of Highway 44 and Jolly Lane there will be a switch installed on the south side of the rail road tracks on private property. From this point the route will continue east in ROW until the south east intersection of Highway 44 and Red Wing Lane where a switching cabinet will be installed, it will continue east until it reaches the south west intersection of Highway 44 and Reservoir Road where the new underground powerline and interduct will be connected to the existing switch.

Thank You,

Matt Schmahl
Staking Technician
West River Electric