

ARK Engineering Request of information to perform AC interference Study for Riverside pipeline load data

I am doing an AC interference study on the new Centerpoint Riverside 20" pipeline. In order to complete this study I need maximum load flows on all transmission lines that cross the pipeline route or parallel the route. I have plan and profile information on lines 0984 & 0992 Sherburne to Coon Creek, 0984 & 0980 from Coon Creek to Terminal/Kohlman Lake, and 0871 from Coon Creek to Riverside. I will need single phase to ground fault currents at each location (list below). We would like current contributions from each direction (nearest substation in each direction). I am also looking for maximum load current on each of these lines, as well as future load currents.

I was able to figure out the 115kv circuit 0871 which stops showing up on Centerpoint's alignment sheets (C4.46) as you go south (just south of Mississippi St NE) does show up again at the south end of the proposed pipeline. I believe it is the eastern-most overhead power line shown on Centerpoint's alignment sheet page C4.65 shown as a double OHP-C and turning into the riverside substation on page C4.66.

I still do not know anything about the other two sets of towers that leave riverside substation, (one heading north, and the other heading south). Please let me know if these are Xcel's lines or someone else's. If they are yours, I will need all the same power data you are providing for the other lines.

I have also made a list of towers where I will need fault data for single phase to ground faults.

0984	tower 189
0992	tower 189
0984	tower 195
0992	tower 195
0984	tower 208
0992	tower 208
0984	coon creek substation
0992	coon creek substation
0980	coon creek substation
0871	coon creek substation
0980	tower 164
0984	tower 164
0871	tower 98
0871	tower 97
0871	tower 74
0871	riverside substation

If you have any questions, please don't hesitate to call or drop me an e-mail. Thank you, I appreciate your help.

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