

Attachment D
2-5-19 C.C. Mtg.

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Feb. 5, 2019

Honorable Mayor and Council,
City of South Jordan, UT

Re: South Jordan to Draper Transmission Line Project – Safety & Design Requirements,
Vernon Black, PE letter “To Whom It May Concern,” dated Dec. 21, 2018

In his letter dated Dec. 21, 2018, Mr. Vernon Black, PE states that this project will meet and/or exceed all industry and PacificCorp standards and best practices for ensuring public safety. I call into question his statement on meeting best practices for ensuring public safety. See <http://www.sjc.utah.gov/planning-zoning/rmp-south-jordan-to-draper-line-upgrade/>

The current line is 46kV and plat maps show a 20 foot center line easement. Homes are built staying out of this easement for safety reasons. However, the proposed line is a 138kV Transmission Line that has a standard 60 foot center line easement for public safety. This new easement (30 foot from property lines) encroaches into many homes in the neighborhood, including bedrooms, living rooms, dining rooms, kitchens and swimming pools.

Rocky Mountain Power has best practices of avoiding residential neighborhoods, schools and elderly populations. South Jordan Elementary school is directly in the path of this project and exposes children to safety hazards of high voltage power lines. This project fails to meet best practices in these areas.

Please note the following references:

https://www.rockymountainpower.net/content/dam/pacificcorp/doc/Transmission/Transmission_Projects/SLEP_Final.pdf

See page 14, Undesirable locations for Transmission Lines. Residential areas, high priority to avoid. See page 38 for the 60 foot right of way easement for a 138kV line.

As a further industry reference, here is another industry example that has more than 60 foot easement required for the 138kV line.

https://www.aeptransmission.com/property-owners/docs/EncroachmentOnROW_AEPTrans.pdf
138 kV line her has 70 to 100 foot easment. See page 2.

https://www.dropbox.com/sh/05vkh1mv2qmwly4/AAD4gh_8l4L_tX6LxSkrsSzRa?dl=0 See first document titled, “Rocky Mountain Power, Rights of Way: Application for proposed use and table regarding transmission line easement width range from 25 feet up to 300 feet. “Safety matters . . . If the voltage is higher than 50,000 volts, even greater distance from the wires is required for safety.”

Mr. Black’s letter is conspicuously absent public safety regarding Right of Way for 138kV transmission lines from RMP and industry practices. His letter regarding ‘Clearances – horizontal,’ should not be confused with right of way clearances for public safety. The NESC design guidelines address conductor to conductor horizontal clearances and does not once address horizontal Right of Way clearances for 138kV transmission lines.

Therefore, I respectfully ask that this letter be posted to <http://www.sjc.utah.gov/planning-zoning/rmp-south-jordan-to-draper-line-upgrade/> in order to clarify and bring light to the discrepancy of the ‘Clearances – horizontal’ of Mr. Black’s letter regarding NESC design guidelines and the right of way horizontal ground clearances for public safety as found in RMP and industry practices.

Sincerely,

/LYMAN MOULTON/

LYMAN MOULTON, ESQ.

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