

October 6, 2015

The following table shows the Staff Data Request 2 items for EL15-020 along with Wind Quarry Operations, LLC’s responses. These data requests were from the South Dakota Public Utilities Commission (PUC) as submitted to Wind Quarry on October 1, 2015.

SDPUC COMMENT	RESPONSE
<p>2-1) Per ARSD 20:10:22:24, please provide, “the estimated annual employment expenditures of the applicants, the contracts, and the subcontractors during the construction phase of the proposed facility.”</p>	<p>1- Wind Quarry direct employment costs are approximately \$300,000. 2- Siting and development phase jobs (consultants and professionals) = approximately 50 workers at expense of \$11 million (mostly in 2016 and prior). 3- Construction jobs = approximately 275 workers at expense of \$25 million (mostly in 2016). 4- Finance, Engineering, Legal (consultants and professionals) = approximately 20 workers at expense of about \$2 million (mostly in 2016). 5- Total = about 345 professional, consulting, labor, and supervisory positions with about 275 construction workers during most of 2016.</p>
<p>2-2) Please clarify whether any turbines will be located south of U.S. Highway 212.</p>	<p>No turbines will be located south of U.S. Highway 212.</p>
<p>2-3) Please provide the peak electrical demand for the project (station power) and how that demand will be met.</p>	<p>Consumption is in the 15-25 kW range per turbine. Turbines peak when they yaw, but they would not do so simultaneously. On the other hand, they might consume simultaneously for heating if idling during cold and windless days. Turbine demand/consumption is supplied by backfeed from point of interconnection (POI). So, assuming 20 kW x 45 = 900 kW would be the typical power requirement. Wind Quarry expects to have a wholesale service agreement with transmission operator (TO) or local service provider, and will pay for the energy and demand charges.</p> <p>The substation (50-75 kW) and the O&M building (75-100 kW) will need to be supplied through local distribution.</p>

<p>2-4) In reference to Staff's DR 1-26, it appears some of the land is being used for row and non-row crops. Does the Applicant intend to remove foundations to a minimum depth of four feet in those areas?</p>	<p>Yes, foundations can be removed to a depth of four feet where required for agriculture.</p>
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