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Xcel Energy Data Request No. 2-6  
Docket No.: EL20-026  
Response To: South Dakota Public Utilities Commission  
Requestor: Patrick Steffensen  
Date Received: November 17, 2020

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Question:

Refer to Xcel's response to DR 1-8. Why did Xcel choose to decrease the capacities of Jeffers Wind and Community Wind North with these refurbishing projects? Provide any calculations and workpapers that support Xcel's decision.

Response:

The repower projects utilize the existing infrastructure, including the Clipper turbine towers. By replacing the less efficient and obsolete technology with a newer technology, the plants' nameplate capacity is reduced; however, the new technology is more efficient and capable of producing a higher annual energy yield (MWh) per name plate capacity (MW). The developer of the project drove the decisions behind the specific technology used in the repowering.

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Date: November 24, 2020