

Docket Number: EL25-013
Subject Matter: First Data Request
Request to: NorthWestern Energy Public Service Corporation dba NorthWestern Energy
(NorthWestern or Company)
Request from: South Dakota Public Utilities Commission Staff
Date of Request: May 1, 2025
Responses Due: May 15, 2025

Aberdeen Generation Station

- 1-3. Refer to page 4 of the Petition. Further explain the voltage regulation requiring replacement capacity on a MW for MW basis for the area.

NWE Response:

The transmission system in the Aberdeen area is insufficient to support voltage in the Aberdeen area absent generation in the immediate vicinity. Under peak loading conditions in the Aberdeen area both the output of the existing Peaker unit at Aberdeen (55-60 MW depending on ambient temperature), and the replacement AGS1 in the Petition (33 MW), are required to adequately maintain acceptable voltage regulation and serve local load.