

OTTER TAIL POWER COMPANY

Docket No: EL25-017

Response to: SD Public Utilities Commission

Analyst: Amanda Reiss

Date Received: May 16, 2025

Date Due: June 02, 2025

Date of Response: June 02, 2025

Responding Witness: : Amber Grenier, Manager, Regulatory Economics, 218-739-8728

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Data Request:

Please define and provide information/diagrams explaining the “specific thermal storage technology” to be served pursuant to this rider.

Attachments: 0

Response:

Thermal energy storage technologies allow for the storage of thermal energy for later use in heating, cooling, and power generation. These technologies can be categorized into three main types: sensible heat storage, latent heat storage, and thermochemical heat storage. The “specific thermal storage technology” mentioned in the proposed tariff refers to a large-scale thermal technology that stores energy specifically when a wind energy center or solar generation facility generates.