



Sasha Bergman
Executive Secretary, Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, Minnesota 55101

RE: PUC Docket Numbers E002/CN-23-212; E002/RP-24-67

The Thermal Battery Alliance (TBA) submits these comments in response to the Minnesota Public Utilities Commission Notice of Comment Period regarding a tariff to support thermal batteries (PUC Docket Numbers: E002/CN-23-212; E002/RP-24-67). We respond affirmatively that the Commission should encourage Xcel to work with interested parties to develop a customer tariff to support customer-owned thermal batteries. Such a tariff can build on momentum from the Otter Tail Power tariff rider for thermal energy storage to support Minnesota's leadership in low cost, long duration storage options for industrial process heat. With appropriate tariffs, thermal batteries can support affordable, reliable alternatives for process heat in Minnesota, while lowering grid costs for all customers by better utilizing existing assets.

[TBA](#) is a coalition of leading U.S. thermal energy storage system manufacturers dedicated to transforming the industrial and power sectors, strengthening U.S. manufacturing, and enhancing grid reliability while lowering energy costs for all.

TBA echoes the sentiment of letters from the Minnesota Department of Commerce and the Clean Energy Organizations that thermal batteries have the potential to deliver significant benefits to Minnesota. Accordingly, we support the Minnesota PUC taking steps to develop a tariff that will facilitate deployment of this technology.

[Thermal batteries](#) are a breakthrough American technology that increases the competitiveness of the U.S. industrial manufacturing base and bolsters the country's grid reliability while lowering energy costs for companies and consumers. Thermal batteries charge with low cost, off-peak intermittent power and store that energy as heat which can then be delivered around-the-clock to drive industrial operations or converted on-demand into electricity to power factories and meet grid needs. Existing thermal battery technologies store energy at temperatures high enough to address 99% of emissions and 80% of U.S. industrial heat demand using clean, surplus power.

TBA and its member companies would be happy to assist in the development of a tariff proposal. In case of any questions, please contact Isaac Brown at Isaac@founderspolicy.com.

Thank you,

Isaac Brown
Executive Director, Thermal Battery Alliance