

Badger Wind, LLC  
Badger Wind Project  
Docket No. PU-24-87

**Late-Filed Exhibit No. 21 – Summary of Interconnection Upgrades and Costs**

At the July 11, 2024 public hearing, Badger Wind, LLC (“Badger Wind”) agreed to provide information on the interconnection upgrades and costs required for the Project per Badger Wind’s generator interconnection agreement with Montana-Dakota Utilities (“MDU”) and the Midcontinent Independent System Operator.

| Description of Upgrades   | Badger Wind Cost    |
|---|---------------------|
| <b>MDU Network Upgrades</b>   | --                  |
| J1040 - 230kV Bay Addition  | \$5,255,072         |
| Mandan to Napoleon 230kV Transmission Line Upgrade                              | \$86,250            |
| Wishek to Merricourt 230kV Transmission Line Upgrade                            | \$14,370,000        |
| Merricourt Substation 230kV Circuit Breaker Addition                            | \$1,817,161         |
| Aberdeen 115kV Line Terminal Equipment Upgrade at Ellendale Substation          | \$202,400           |
| Mandan, Napoleon, Wishek, Merricourt and Ellendale Substation Protective Relays | \$92,000            |
| <b>MDU Total Upgrades</b>   | <b>\$21,822,883</b> |
| <b>GRE Network Upgrades</b>   | --                  |
| Two 75 MVAR Cap Banks   | \$1,913,070         |
| <b>GRE Total Upgrades</b>   | <b>\$1,913,070</b>  |
| <b>Xcel Network Upgrades</b>  | --                  |
| Upgrade to Bison Substation to include 75MVAR Cap Bank with two 345kV Breakers  | \$3,754,429         |
| <b>Xcel Total Upgrades</b>  | <b>\$3,754,429</b>  |
| <b>Interconnection Facilities Upgrades</b>                                      | <b>\$687,940</b>    |
| <b>Total Facilities Upgrades</b>  | <b>\$687,940</b>    |
| <b>Total Badger Wind Network Upgrades</b>                                       | <b>\$28,178,322</b> |

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