

## **Wind Update - Repowering Project September 3, 2019**

### **A. Background**

This is MidAmerican Energy Company's ("MidAmerican") status update for the Iowa Utilities Board ("Board") in response to the Board's August 17, 2017 *Order Approving Settlement and Approving Tariff*, issued in Docket No. TF-2017-0294 ("Order"), which Order approved the *Stipulation and Agreement* filed by the parties in the said docket on August 9, 2017 ("Stipulation"). Pursuant to the Board's April 19, 2019 *Order Consolidating Semi-Annual Reports*, the updates for the Wind VIII through Wind XII projects are now filed in Docket No. 2018-0003. MidAmerican has also filed this update for the Repowering Project in the same docket.

### **B. EAC Factor Calculations**

Through June 30, 2019, a total of 533 turbines have been repowered at the Century, Intrepid, Victory, Pomeroy, Charles City and Carroll sites. Consistent with the information MidAmerican provided in Docket Nos. TF-2017-0294 and DRU-2017-0002, the GE-S model units are assumed to achieve a 26% increase in capacity factor and the GE-SLE model units are assumed to achieve a 19% increase in capacity factor. Due to the increased capacity factors, for the period January 1, 2019 through June 30, 2019, the repowered turbines generated an estimated additional 201,052 megawatt-hours of energy, above what would have been possible without repowering. This increased energy has resulted in an estimated \$1.7 million reduction in the energy adjustment clause through June 30, 2019. See Exhibit A in support of the capacity factor figures cited above.

### **C. Application of Repowering Projects to Revenue Sharing**

MidAmerican completes its revenue sharing calculation annually and files it with the Board each February. Therefore, MidAmerican's next revenue sharing calculation will be filed in 2020.

### **Next Report**

MidAmerican's next update is due March 2, 2020.