

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of the Application of)
The Empire District Electric Company) Case No. EO-2018-0092
For Approval of its Customer Savings Plan)

AFFIDAVIT OF JOHN A. ROBINETT

1. I am the same John A. Robinett who previously submitted Rebuttal and Surrebuttal testimony and an affidavit in opposition of the Non-unanimous Stipulation and Agreement (“S&A”) on behalf of the Office of the Public Counsel (“OPC”) in this case.
2. The Empire District Electric Company’s (“Empire”) hourly loads were provided to OPC in response to its data request 8557.
3. Empire also provided hourly wind generation for the Meridian Way and Elk River wind farms in response to data request 8557.
4. To get an understanding of how 855 MW of wind generation, which would be the total wind generation available to Empire if it builds the wind projects in the S&A, would compare to Empire’s load, for each hour of the year I scaled up the sum of the hourly generation of the Meridian Way and Elk River wind farm energy provided by Empire by 855MW divided by 255 MW.
5. The attached graphs are the hourly loads and wind generation for the summer of 2016 and 2017 and winter peak load days for December 2015 – February 2016 and December 2016 – February 2017. Also attached are graphs of the hourly loads and generation for the spring/fall days with the Empire minimum loads for 2016 and 2017.

John A. Robinett

John A. Robinett
Utility Engineering Specialist

Subscribed and sworn to me this 9th day of May 2018.



JERENE A. BUCKMAN
My Commission Expires
August 23, 2021
Cole County
Commission #13754037

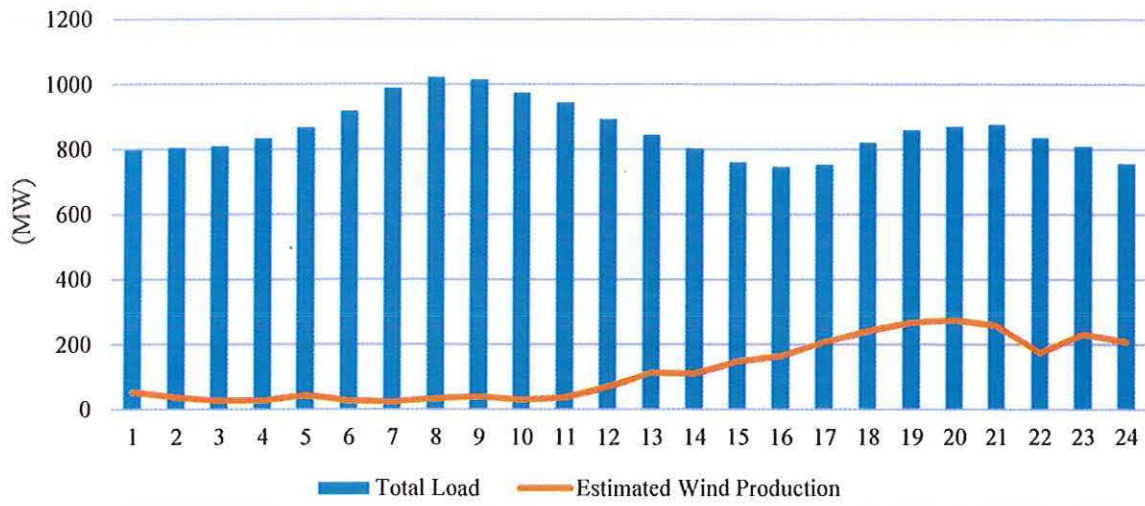
Jerene A. Buckman

Jerene A. Buckman
Notary Public

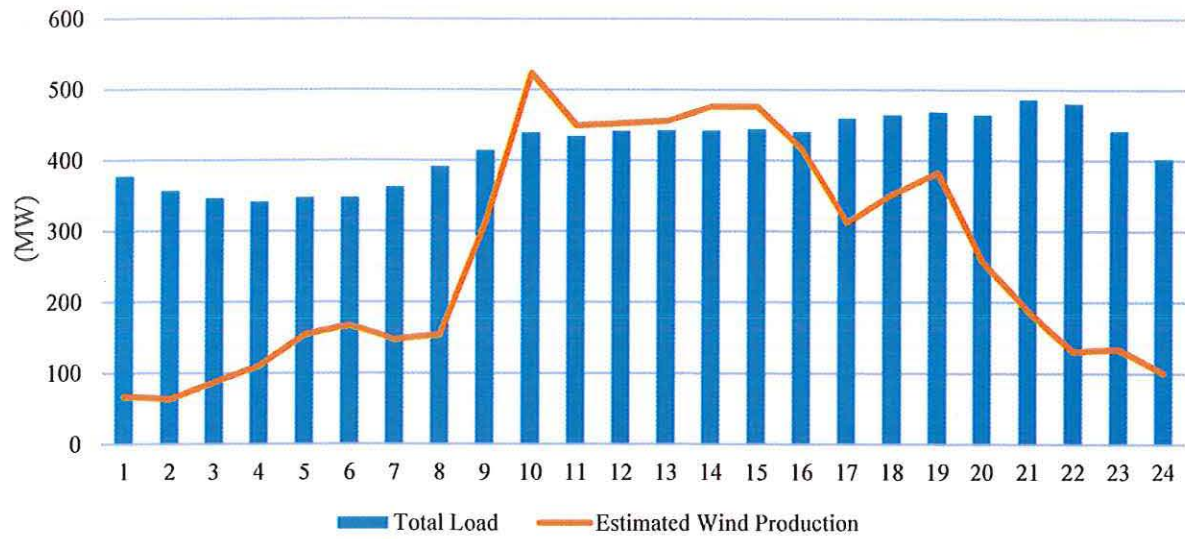
My Commission expires August 23, 2021.

OPC Exhibit No. 213
Date 5-11-18 Reporter AE
File No. EO-2018-0092

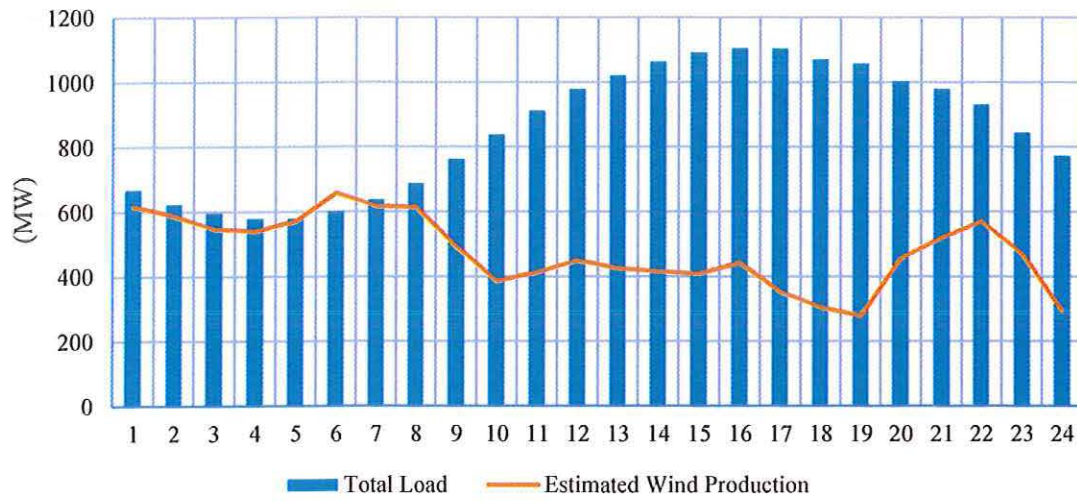
Total Load vs. Estimated 855 MW Wind Production
01/18/2016 Winter Peak



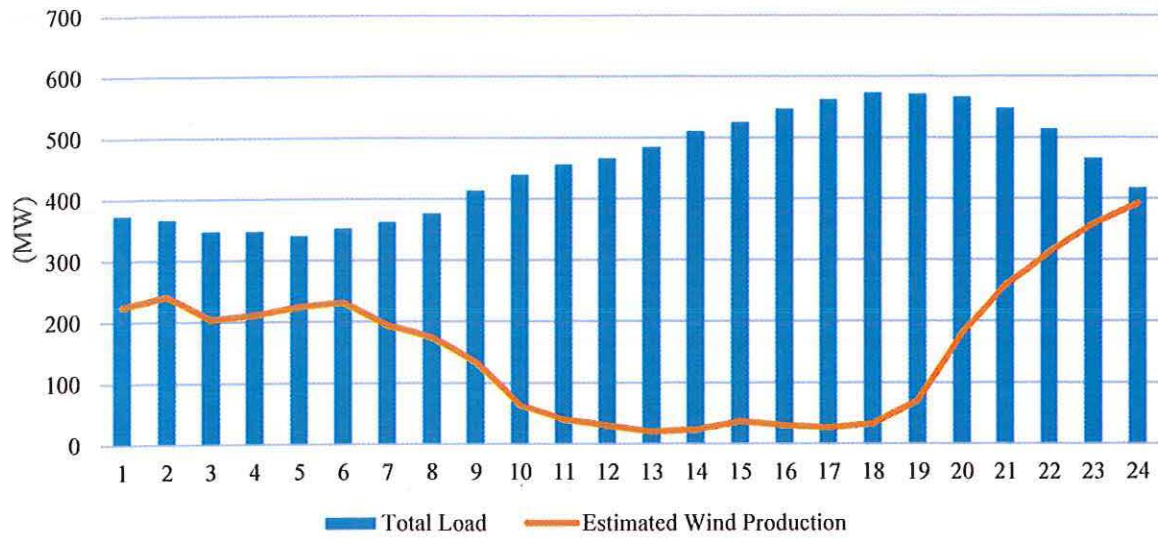
Total Load vs. Estimated 855 MW Wind Production
05/01/2016 Spring Minimum



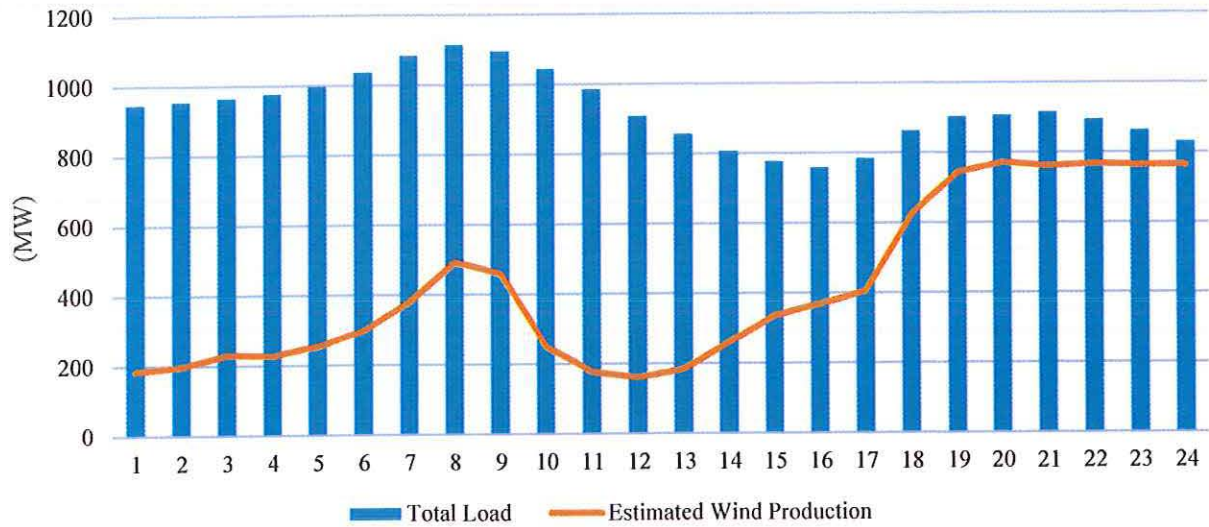
Total Load vs. Estimated 855 MW Wind Production
08/11/2016 Summer Peak



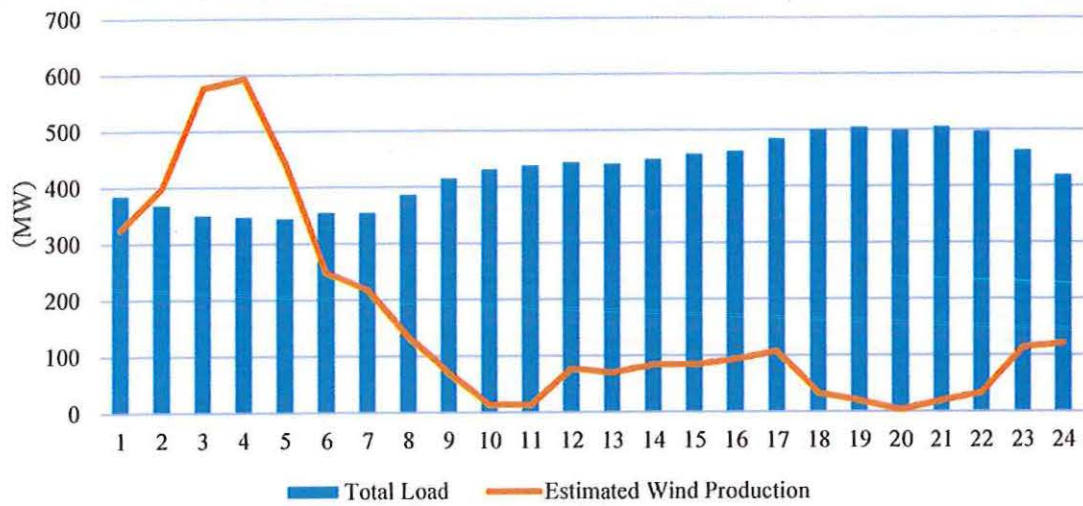
Total Load vs. Estimated 855 MW Wind Production 10/02/2016 Fall Minimum



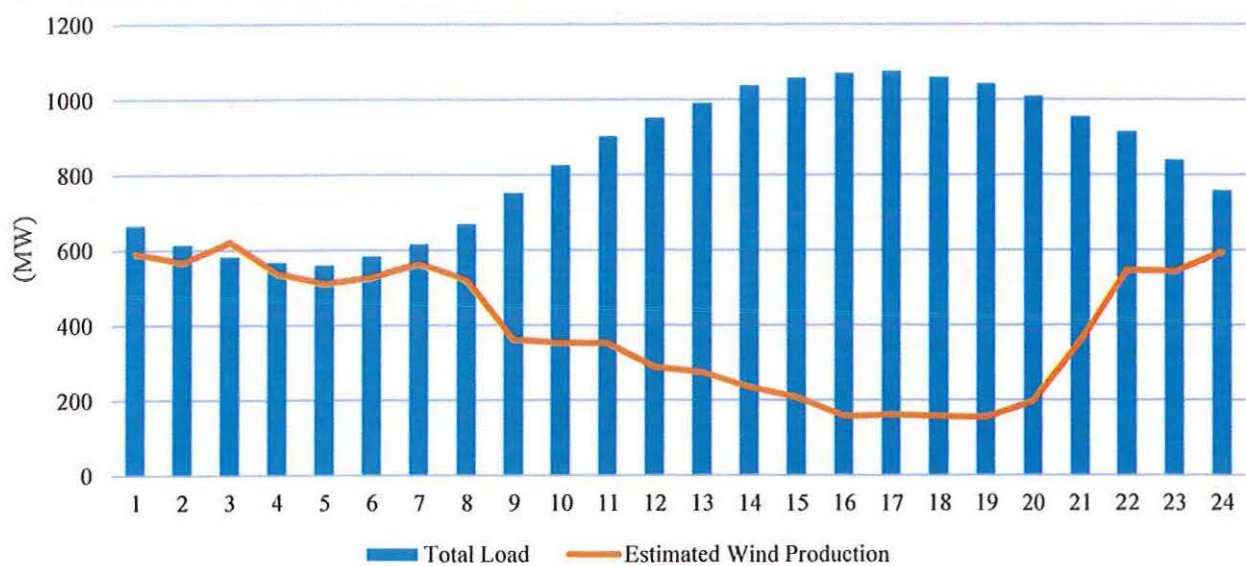
Total Load vs. Estimated 855 MW Wind Production
12/19/2016 Winter Peak



Total Load vs. Estimated 855 MW Wind Production
05/21/2017 Spring Minimum



Total Load vs. Estimated 855 MW Wind Production
07/20/2017 Summer Peak



Total Load vs. Estimated 855 MW Wind Production
10/22/2017 Fall Minimum

