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| Exhibit No.: | |
| Issues: | Solar Load Adjustment |
| Witness: | Michael L. Stahlman |
| Sponsoring Party: | MO PSC Staff |
| Type of Exhibit: | Surrebuttal Testimony |
| Case No.: | ER-2014-0258 |
| Date Testimony Prepared: | February 6, 2015 |



# MISSOURI PUBLIC SERVICE COMMISSION

## REGULATORY REVIEW DIVISION

# SURREBUTTAL TESTIMONY

## OF

## MICHAEL L. STAHLMAN

## UNION ELECTRIC COMPANY d/b/a AMEREN MISSOURI

## CASE NO. ER-2014-0258

*Jefferson City, Missouri*
*February 2015*

# BEFORE THE PUBLIC SERVICE COMMISSION

# OF THE STATE OF MISSOURI

| | | |
|---|---|---|
| In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariff to Increase Its Revenues for Electric Service | ) ) ) | Case No. ER-2014-0258 |

## AFFIDAVIT OF MICHAEL L. STAHLMAN

**STATE OF MISSOURI** )
) **ss**
**COUNTY OF COLE** )

Michael L. Stahlman, of lawful age, on his oath states: that he has participated in the preparation of the following Surrebuttal Testimony in question and answer form, consisting of 2 pages of Surrebuttal Testimony to be presented in the above case, that the answers in the following Surrebuttal Testimony were given by him; that he has knowledge of the matters set forth in such answers; and that such matters are true to the best of his knowledge and belief.

Michael L. Stahlman

Subscribed and sworn to before me this 4th day of February, 2015.

SUSAN L. SUNDERMEYER
Notary Public - Notary Seal
State of Missouri
Commissioned for Callaway County
My Commission Expires: October 28, 2018
Commission Number: 14942086

Notary Public

# SURREBUTTAL TESTIMONY

# OF

# MICHAEL L. STAHLMAN

# UNION ELECTRIC COMPANY d/b/a AMEREN MISSOURI

# CASE NO. ER-2014-0258

Q. Please state your name and business address.

A. My name is Michael L. Stahlman, and my business address is Missouri Public Service Commission, P.O. Box 360, Jefferson City, Missouri, 65102.

Q. Are you the same Michael L. Stahlman that supported sections in Staff's Revenue Requirement Cost of Service Report, Staff's Rate Design and Class Cost-of-Service Report, and rebuttal testimony in this case?

A. Yes.

Q. What is the purpose of your testimony?

A. I will discuss the Ameren Missouri's change in capacity factor for the proposed adjustment of load for solar installations as discussed in the Rebuttal Testimony of Steven M. Wills.

## Solar Load Adjustment

Q. What does Ameren Missouri propose to change in the calculation of the solar load adjustment?

A. Ameren Missouri proposes to increase the solar capacity factor used due to an update by the National Renewable Energy Laboratory's ("NREL") solar generation calculator called PVWatts released in September 2014.

Q. Does Staff support this change?

A. Not at this time. Since the actual energy generated by the solar panels in question is unavailable, Staff's approach in calculating the solar load adjustment is to keep the adjustment consistent with Ameren Missouri's calculation of Solar Renewable Energy Credits ("SRECs"). In response to Staff Data Request 0366.1, Ameren Missouri stated that a capacity factor of 14.4%, which is the older capacity factor, was used to calculate all SRECs for the solar panels installed during the test year. Staff would be amenable to the updated capacity factor if it was also used to calculate the amount of SRECs for these solar panel installations.

Q. Are there other differences between Staff's and Ameren Missouri's calculation?

A. Yes. Staff continues to support the adjustments made in its Staff's Revenue Requirement Cost of Service Report which differ from Ameren Missouri's calculation in three ways: the capacity factor, sales in excess of a customer's demand, and adjusting for large classes. In rebuttal, Ameren Missouri updated the time period used for calculating the solar load adjustment which resolves the main difference between Ameren Missouri's and Staff's initial calculations.

Q. Does this conclude your surrebuttal testimony?

A. Yes it does.