

In the Matter of Union Electric)
Company's 2011 Utility Resource Filing) Case No. EO-2011-0271
Pursuant to 4 CSR 240 – Chapter 22)

STATE OF Missouri)
) ss
County of Cole)

1. That he has participated in the preparation of a document entitled “Review of the Union Electric Company Integrated Resource Plan” filed in this case on June 23, 2011 (as substituted on July 1, 2011).
 - a. That he is primarily responsible for the following content of that document:
 - i. Section 1, Executive Summary, Presentation to the Board of Directors;
 - ii. Section 2, Renewable Energy Standards; and
 - iii. Section 4, Strategy Selection – Choosing the Preferred Plan, Resource Acquisition Strategy Approval by UE Board of Directors
2. That he has participated in the preparation of a document entitled “Review of Union Electric Company Electric Utility Resource Planning Compliance Filing” filed in this case on June 23, 2011 (as substituted on July 1, 2011, and corrected on July 22, 2011).
 - a. That he is primarily responsible for the following content of that document:
 - i. Preface;
 - ii. Introduction;
 - iii. Point 1;
 - iv. Point 7; and
 - v. Point 8

Ryan Kind

A circular notary seal for the State of Missouri. The outer ring contains the text "NOTARY PUBLIC" at the top and "STATE OF MISSOURI" at the bottom, separated by two stars. The center of the seal contains the words "NOTARY" and "SEAL" stacked vertically, with a small decorative flourish between them.


Jerene A. Buckman
Notary Public

My commission expires August 23, 2013.

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

In the Matter of Union Electric)
Company's 2011 Utility Resource Filing)
Pursuant to 4 CSR 240 – Chapter 22)

Case No. EO-2011-0271

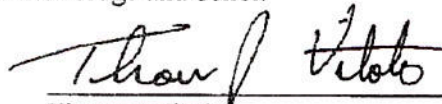
AFFIDAVIT OF DR. THOMAS VITOLO

STATE OF Massachusetts)
) ss
County of Norfolk)

Dr. Thomas Vitolo, of lawful age on his oath states:

1. That he has participated in the preparation of a document entitled "Review of the Union Electric Company Integrated Resource Plan" filed in this case on June 23, 2011 (as substituted on July 1, 2011).
 - a. That he is primarily responsible for the following content of that document:
 - i. Section 1, Executive Summary, Initial Screening;
 - ii. Section 1, Executive Summary, Selection of the Preferred Resource Plan;
 - iii. Section 4, Probability Tree;
 - iv. Section 4, Initial Screening of 216 Candidate Resource Plans;
 - v. Section 4, Risk Analysis – Fine Tuning the 16 Candidate Plans; and
 - vi. Section 4, Strategy Selection – Choosing the Preferred Plan, Preferred Plan Selection
2. That he has participated in the preparation of a document entitled "Review of Union Electric Company Electric Utility Resource Planning Compliance Filing" filed in this case on June 23, 2011 (as substituted on July 1, 2011, and corrected on July 22, 2011).
 - a. That he is primarily responsible for the following content of that document:
 - i. Point 6

and that such matters are true to the best of his knowledge and belief.



Thomas Vitolo

Subscribed and sworn to me this 23rd day of September 2011.



MELISSA SCHULTZ
Notary Public
Commonwealth of Massachusetts
My Commission Expires
July 27, 2018

In the Matter of Union Electric)
Company's 2011 Utility Resource Filing)
Pursuant to 4 CSR 240 – Chapter 22)

STATE OF Massachusetts)
) ss
County of Middlesex)

1. That he has participated in the preparation of a document entitled "Review of the Union Electric Company Integrated Resource Plan" filed in this case on June 23, 2011 (as substituted on July 1, 2011).

- i. Section 1, Executive Summary, Resource Options;
- ii. Section 1, New Nuclear Generation;
- iii. Section 1, Existing Coal Power Plants;
- iv. Section 2, Potential New Renewable Resources; and
- v. Section 3, all;

2. That he has participated in the preparation of a document entitled "Review of Union Electric Company Electric Utility Resource Planning Compliance Filing" filed in this case on June 23, 2011 (as substituted on July 1, 2011, and corrected on July 22, 2011).

- i. Point 2;
- ii. Point 3;
- iii. Point 4; and
- iv. Point 5

Tim Woolf



MELISSA SCHULTZ
Notary Public
 Commonwealth of Massachusetts
 My Commission Expires
 July 27, 2018