

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

In The Matter of a Determination of Special	)	
Contemporary Resource Planning Issues to be	)	
Addressed by Ameren Missouri in its Next	)	<b>Case No. EO-2012-0039</b>
Triennial Compliance Filing or Next Annual	)	
Update Report	)	

**SUBMISSION OF ISSUES BY MIEC**

In accordance with the Commission’s Order of August 4, 2011, the Missouri Industrial Energy Consumers (“MIEC”), a party to Ameren Missouri’s current Integrated Resource Plan Filing in Missouri PSC Case No. EO-2011-0271, hereby files its suggestions of special contemporary issues that should be addressed in the next Annual Update Report.

**Reliability and Capacity Value of Solar Resources**

The market for distributed solar panels is growing in the Ameren Missouri service territory. There currently is very little (if any) empirical information about the actual output of these distributed solar panels that are installed on customer-owned structures in the Ameren Missouri service territory. There also is little or no information about the coincidence of the electrical output of these solar panels with the utility’s system peaks, class peaks, and customer peaks, all of which are important parameters in determining the extent to which solar panels may afford a reduction in utility investments in generation, transmission and/or distribution resources. MIEC recommends that these issues be included.

## **Modular Nuclear Units**

The nuclear industry and some utilities (notably the Tennessee Valley Authority) are moving forward to commercialization of modular nuclear unit technology. Modular nuclear units are much smaller in scale, and should be less expensive to produce and install, than large scale nuclear units that typically exceed 1,000 megawatts in size. MIEC proposes to include a study of modular unit technology and the status of the commercialization of these facilities in this contemporary resource planning issue case.

Respectfully submitted,

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CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the above and foregoing document was sent by electronic mail this 15<sup>th</sup> day of September, 2011, to the parties on the Commission's service list in this case.

/s/ Diana Vuylsteke