



UTILITY VARIABLE-GENERATION INTEGRATION GROUP DISTRIBUTED GENERATION USERS GROUP MEETING

March 14, 2017
3:15 pm – 5:00 pm

**Loews Ventana Canyon Resort
Tucson, AZ**

Meeting Agenda

This user group meeting will consist of a panel discussion focused on load modeling in dynamic models with high levels of distributed energy resources (DERs).

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| 3:15 pm | Welcome & Introductions | Debbie Lew, GE |
| 3:20 pm | Panel Session on Modeling Load with High Levels of DER: Where Are We Going? | |
| | Session Chair, Debbie Lew GE | |

Background: Load modeling becomes more challenging with increased levels of DERs. While a large amount of work is focused on generator modeling, much less focus has been made on load modeling despite the fact that load models have a very significant impact on results. Composite load models, such as that developed for WECC, are a great improvement over previous load models. As DER levels increase and as types of DERs increase, modeling load becomes more complex. In this panel session, we will discuss challenges in traditional load modeling for both the transmission and distribution systems. We will also discuss how to set up a steady state basecase, taking into account time of day and appropriate system dispatch. Finally, we will discuss improvements in models, and considerations for smart inverter functionality and high penetrations of DERs.

Presenters

- Abe Ellis, Sandia National Laboratory
- Ryan Quint, NERC
- Jens Boemer, EPRI
- Discussion

4:50 pm Wrap-up and Discussion of Future Activities
 Debbie Lew, GE

General Discussion

5:00 pm Adjourn