Electric Generation Expansion Analysis System (EGEAS) Software v10.0

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Program 178b Webcast

April 18, 2014

Conference Call: 1-888-645-7312; PIN: 8748

Webcast Information

- Time: **9-10:30 am Pacific**

- Please <u>mute</u> your phone when not talking (*6 to mute; #6 to unmute).

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  1. Print and save by selecting the printer icon in the lower right-hand corner of the screen.
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  3. Posted on the P178 web cockpit

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Today's Agenda

- **Overview** (Adam)

- **EGEAS v10 Overview** (Wah Sing Ng / Bill Fleck)
    - Overview of resource planning
    - EGEAS history, capabilities, training
    - New features in EGEAS v10.0
    - Example uses of EGEAS

- **MISO's Experience Using EGEAS** (John Lawhorn)

Today's Webcast Speakers

- **Wah Sing Ng −** President, NG Planning LLC

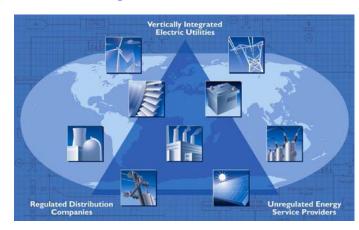- **Bill Fleck −** Independent Consultant & Member of the original EGEAS software development team

- **John Lawhorn −** Senior Director of Policy and Economic Studies, Midcontinent Independent System Operator (MISO)

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Overview of EPRI's Electric Generation Expansion Analysis System (EGEAS)

- EGEAS is a state-of-the-art modular production costing and generation expansion software package.

- EGEAS is used by electric company planners and others to develop and evaluate integrated resource plans, avoided costs, plant life management plans, and environmental compliance plans.
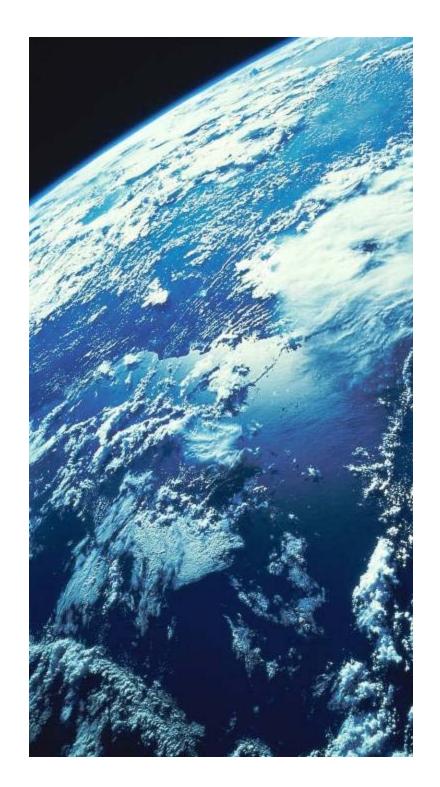
- EGEAS accommodates dispatchable generation sources (e.g., coal, gas, nuclear), demand-side management (DSM) and renewable energy sources.

- EGEAS was the forerunner of the current generation planning simulation and optimization models, and is still used by a number of electric companies and regional planning organizations.

- To learn more about EGEAS, please visit EPRI.com here:
  http://www.epri.com/abstracts/Pages/ProductAbstract.aspx?ProductId=000000000001016192

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Short History of EGEAS

- EPRI supported development of EGEAS in the early 1980s

- In the 1990s, Stone & Webster Management Consultants Inc. developed a graphic user interface (GUI) to make data input easier

- EPRI released EGEAS v9.02 in 2007.

- In 2013, EPRI reactivated EGEAS v9.02
  – EPRI acquired legal rights to the EGEAS GUI
  – Developed EGEAS licensing agreement with NG Planning
  – Contracted with NG Planning to develop "integrated" EGEAS v10.0.

- New "integrated" v10.0 to be available by April 30, 2014.
  – EGEAS v10.0 incorporates v9.02 plus the GUI.
  – P178/P178b members can license EGEAS at no additional cost.
  – Price for non-members is $25,000 ($5,000 to upgrade from v9.02).

- EGEAS v11.0 to be developed 2014-2015 with support from MISO.

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