

# Transactive Energy Session

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# Definition

“Transactive energy approaches use economic or market based constructs to manage the generation, consumption or flow of electric power within an electric power system while considering grid reliability constraints.” – from the Proceedings of the 2<sup>nd</sup> GridWise<sup>®</sup> Architecture Council Workshop on Transactive Energy. Available for download from [www.gridwiseac.org](http://www.gridwiseac.org)



*Driving to Grid 2020*

# Background

- Transactive energy is a term coined by PNNL based on our work applying market based techniques to engaging demand response or other responsive distributed energy resources.
- As we've presented our work a group of people working on similar approaches we began to find a group of others working on similar approaches.
- At Connectivity Week 2010 Ali Ipakchi, Ed Cazalet and Ron Melton were speakers (along with Roger Levy) in a Demand Response session.
- Ali suggested to Ron that we should have a session focused on Transactive techniques.
- From that the GWAC workshops and TE focused sessions emerged

# "History"

- May 2011 – 1<sup>st</sup> GWAC Workshop Transactive Energy
- December 2011 – Transactive Energy Panel Session at Grid-Interop
- January 2012 – Transactive Energy Plenary Panel and Track Panel at IEEE ISGT 2012
- March 2012 – 2<sup>nd</sup> GWAC Workshop on Transactive Energy
- October 2012 – TE Workshop at GWAC face-to-face meeting
- December 2012 – TE Tutorial session at Grid-Interop and TE Panel Session

# Upcoming Events

- TE Workshop at GWAC F2F meeting in Atlanta – February 5-6, 2013
- IEEE ISGT 2013 TE panel session, February 24 – 27, 2013
- 1<sup>st</sup> International TE Conference in Portland, May 23 – 24, 2013 (immediately following GWAC F2F meeting at same location)