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# Smart Grid Collaborative Projects

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## Session Purpose

Coordinating and building collaborative projects to advance  
T&D grid modernization

## Session Format

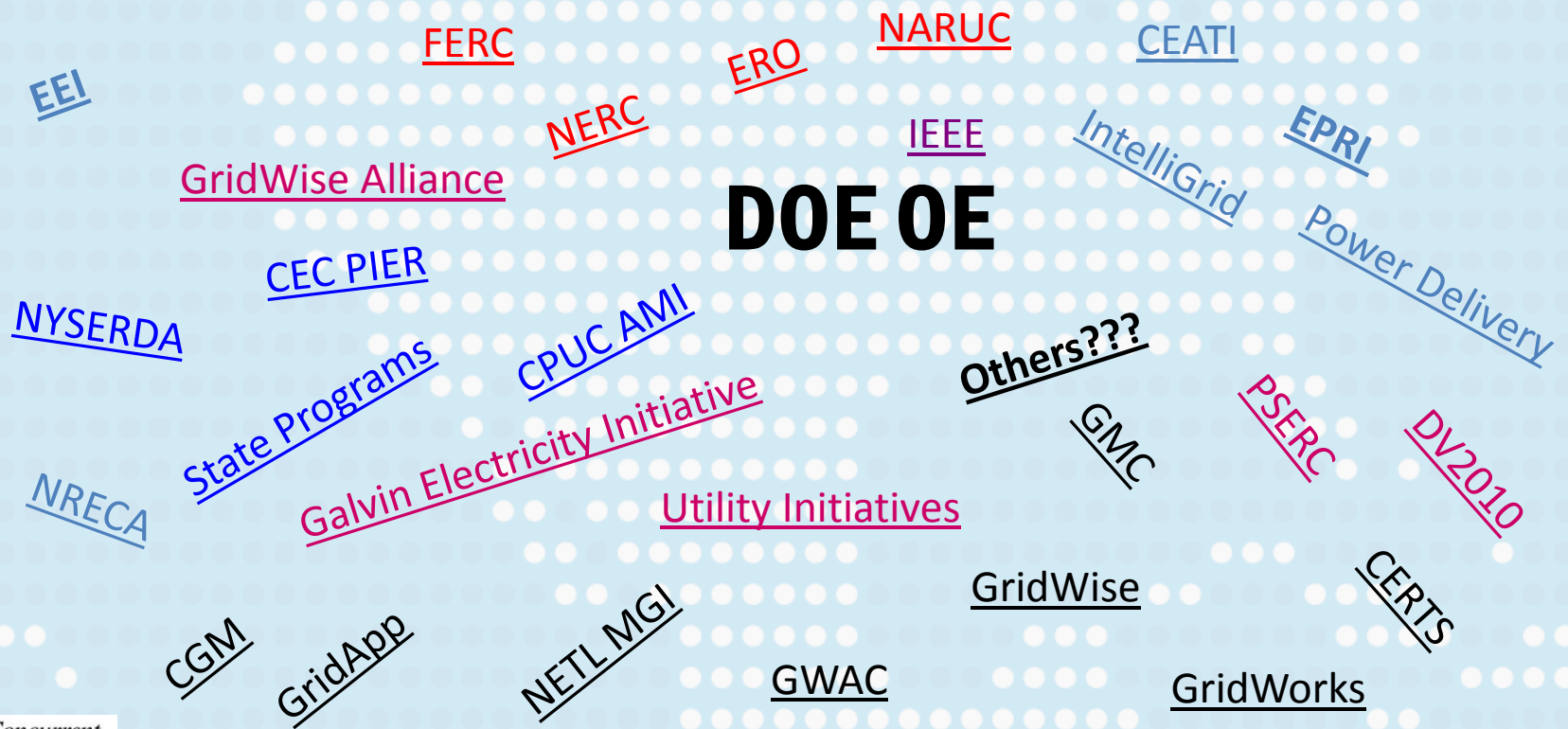
Engaging all attendees in open & active dialog on  
existing smart grid programs/functions

## Session Outcome

Gaining better knowledge of existing programs for  
expanded participation & collaboration

## Why and what to coordinate?

A broad and diverse Smart Grid space in  
technology, system integration, policy & regulations



## Advanced Grid Applications Consortium

- **What GridApp™ Does**
  - Transitioning advanced technologies/practices into near-term (<12 months) use, via field testing and applications under real-use conditions
  - Informational briefings and technology showcases to promote use by all member utilities

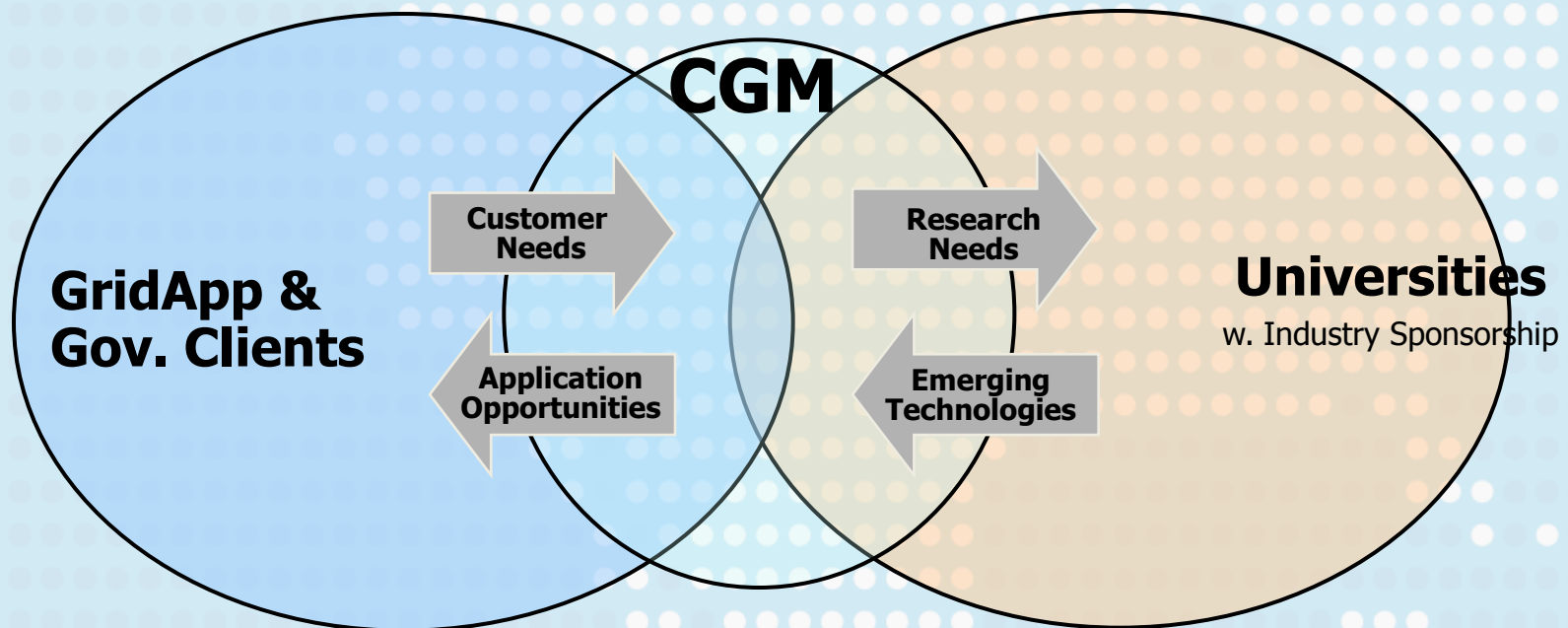
## Current GridApp™ Members

- Concurrent Technologies Corporation (CTC)\*
- Detroit Edison
- Exelon
- FirstEnergy
- Idaho Power
- Portland General Electric
- PPL Electric Utilities
- Salt River Project
- Southern California Edison
- Southern Company

\* CTC operates and provides management functions to GridApp.

## Center for Grid Modernization (CGM):

Provide a continuum of technology development to modernize electric grid



\* CGM, a virtual center operated and managed by *CTC*.

# University Collaborative Projects

## Sponsored by CGM

- Distributed state estimation, Georgia Tech (NYPA, Entergy, METC)
- Substation IED integration, Texas A&M (CenterPoint Energy, TVA, MidAmerican)
- Control center visualization techniques, University of Illinois (TVA, PowerWorld Corp)

## Grid Modernization Collaborative (GMC)

A virtual consortium of consortia to align and jointly conduct grid modernization efforts in:

- Integrated testing, demonstration, deployment of advanced technologies
- Interoperability and standards implementation
- Regulatory/value proposition/tech transition
- System simulation and modeling

## Grid Modernization Collaborative (GMC)

In early start-up, with the 1<sup>st</sup> collaborative activity being the GMC  
Morgantown Integration Testing

