



Advances in Smart Grid Utility Practices

Panel Session
Connectivity Week
May 24, 2007

Panelists

- Joe Bucciero (Chair) -KEMA
- Steve Hauser -GridPoint, Inc.
- Hawk Asgeirsson -DTE Energy
- Dave Chassin -PNNL
- Paul Kasick -SCE
- Joe Kerecman -PJM

Session Topics

- Background
 - GridWise Vision
 - GWAC (GridWise Architecture Council)
 - GridWise Alliance
- Building a Smart Grid – GridPoint, Inc.
- Smart Grid Insights – Olympic Peninsula Demo
- Smart Grid Technologies – DTE Energy
- Smart Connect – Southern California Edison
- Bringing the Smart Grid Home - PJM
- Questions/Discussion

Information: The Virtual Electric Infrastructure

FACT:

In the next 20 years, the U.S. will spend \$450B on electric infrastructure, just to meet load growth.



CHOICE:

Perpetuate a 20th Century solution

OR

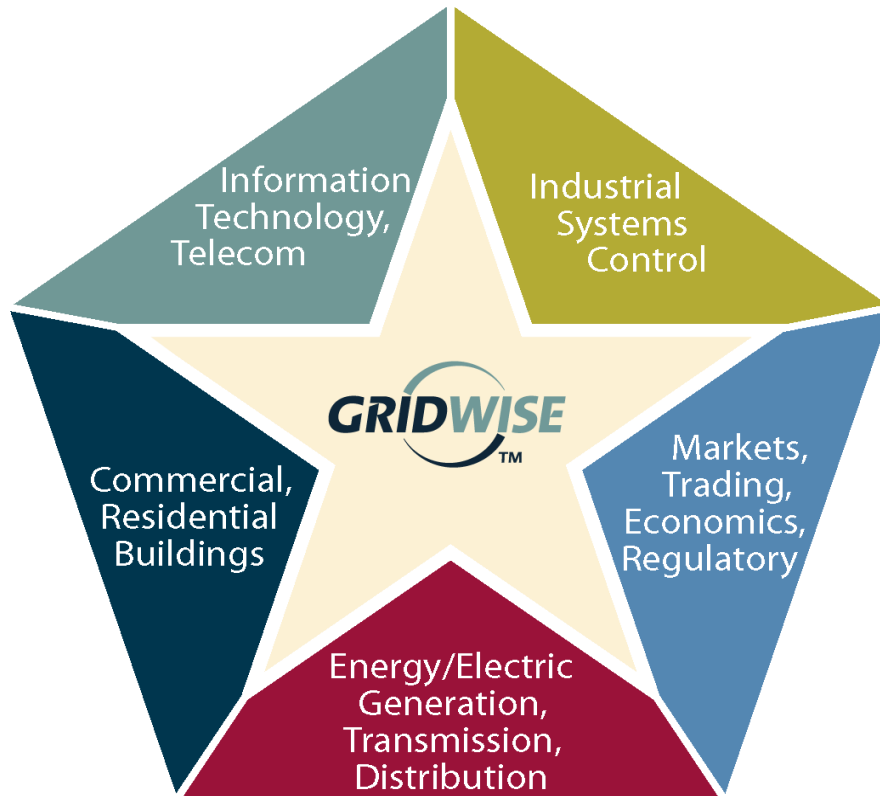
Invest in a 21st Century system saving ratepayers \$80B while increasing reliability and flexibility.



Revealing Values +
Communications +
Advanced Controls
≡ Electric infrastructure

The choice is
easy because...
\$ bits << \$ iron

GridWise Architecture Council



The Electricity Community

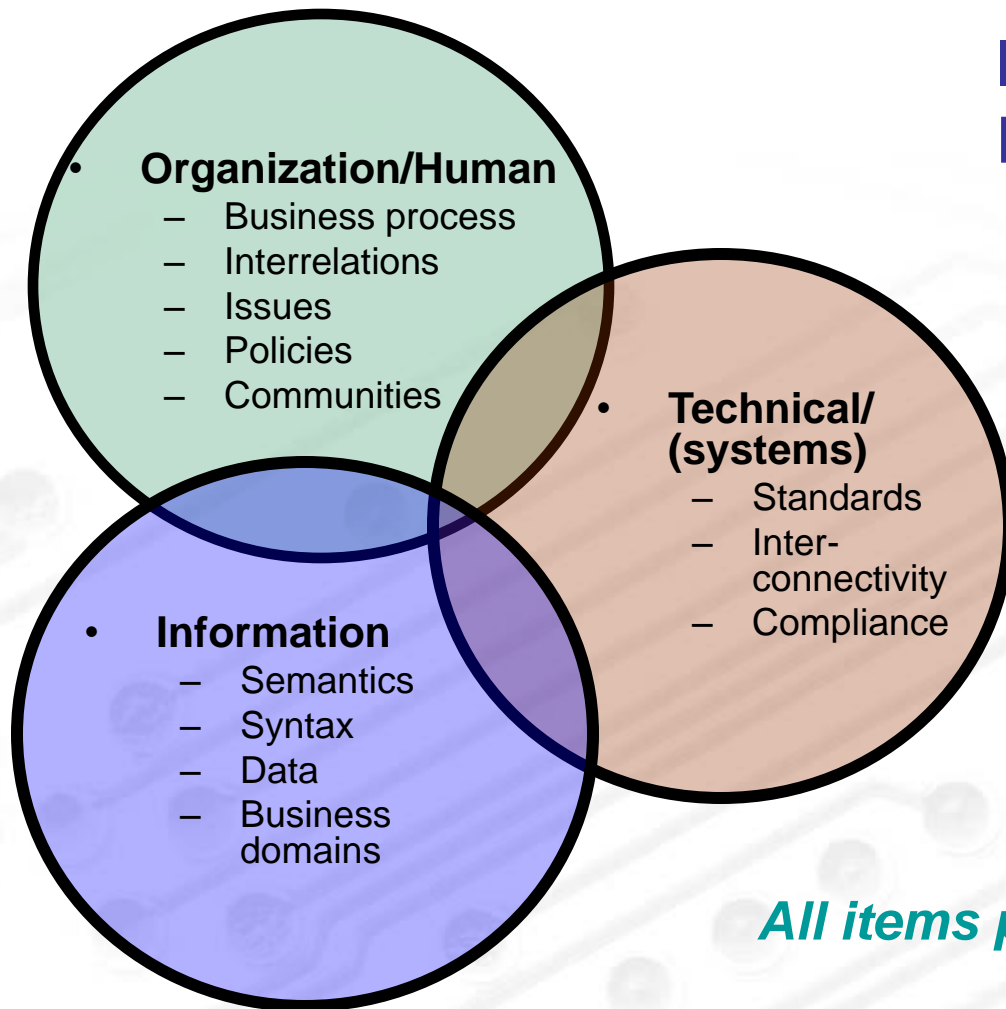
→ The future is in the linkage of sectors across the electricity chain.

- Who
 - Respected experts
 - Volunteers
 - Cross-sector organizations

- What
 - Principles of interaction
 - Interoperability

***Developing
Communicating
Guiding***

GWAC Mission - Interoperability



Interoperable Software - Expected Impact:

- Reduces integration cost
- Reduces cost to operate
- Reduces capital IT cost
- Reduces installation cost
- Reduces upgrade cost
- Better security management
- More choice in products
- More price points & features

All items provide compounding benefits

Interoperability Path Forward



GridWise Architecture Council

- GWAC's WEB Site:

www.gridwiseac.org

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Questions / Discussion