



We the People

GridWise Expo 2006

## The Impact of Interoperability

Rik Drummond  
Chair

GridWise Architecture Council

CEO Drummond Group Inc.  
[info@drummondgroup.com](mailto:info@drummondgroup.com)





# GWAC's Strategic Grid Sector Focus

## Interoperability Strategic Focus:

Step 1: Common Vision across the North American Power Grid

Step 2: Grid Ownership of Common Vision

Step 3: Grid Ownership of Vision Management Processes

## Interop Technical Focus:

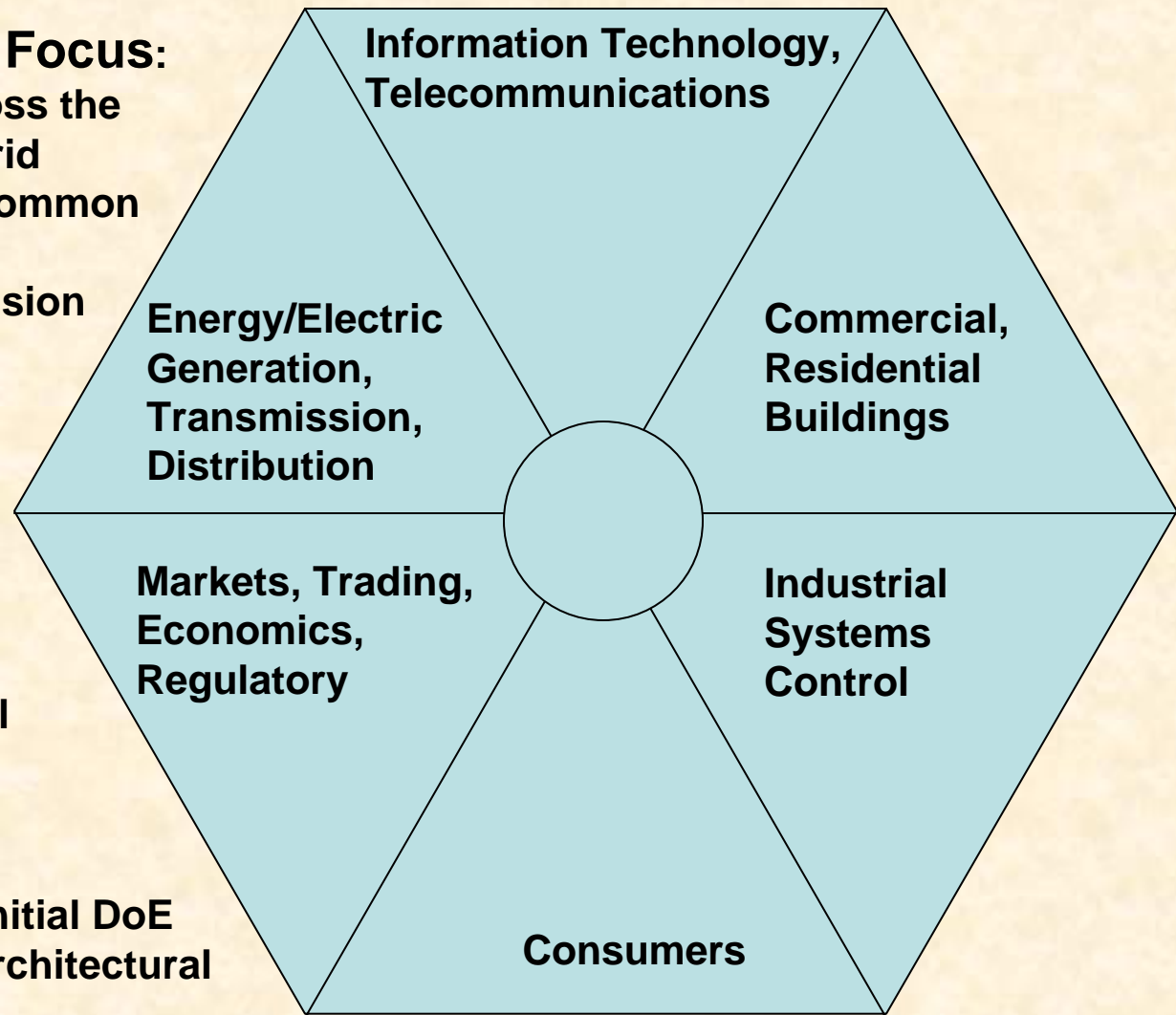
Step 1: Identify issues:

- a - With in the Sectors
- b - Between the Sectors
- c - Across entire Grid

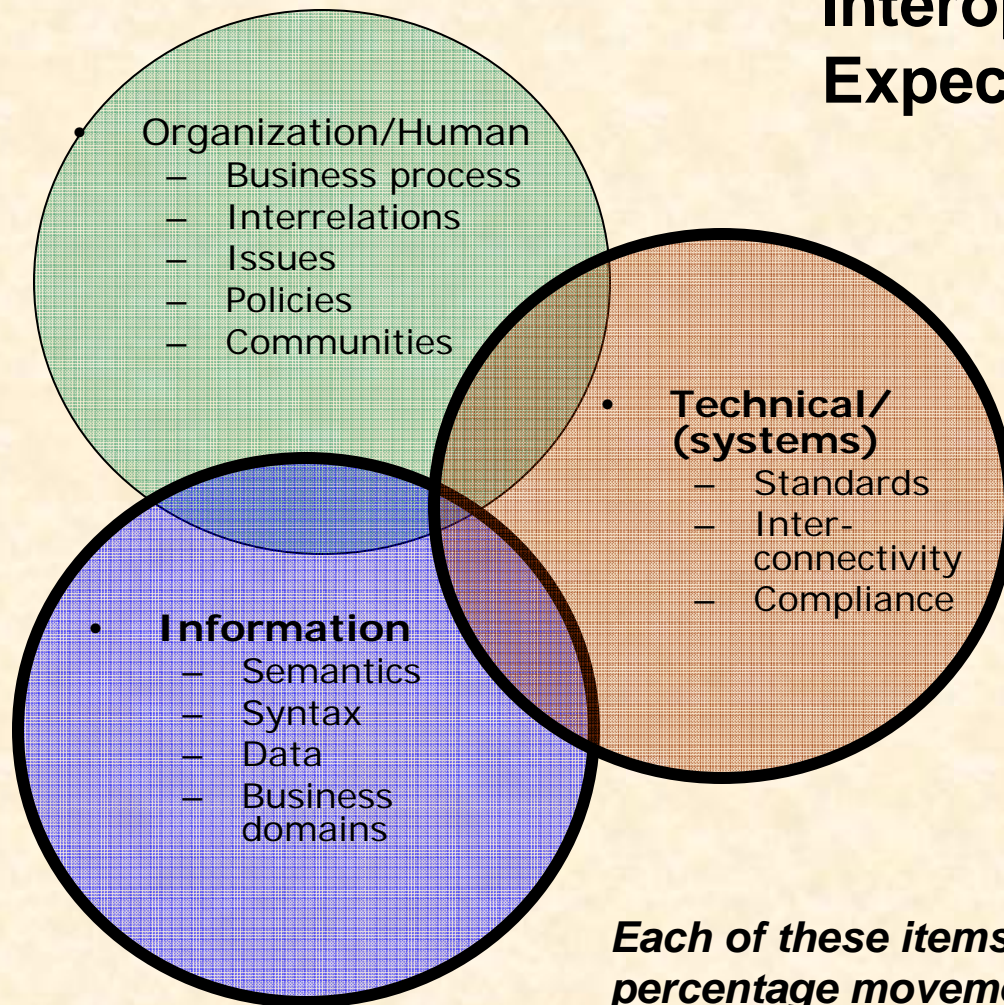
Step 2: Educate – Conceptual Understanding

## Expected Results:

Industry pickup the cost after initial DoE seed investment in GridWise Architectural Council effort



## Interoperable Software Savings Expected Grid Impact:

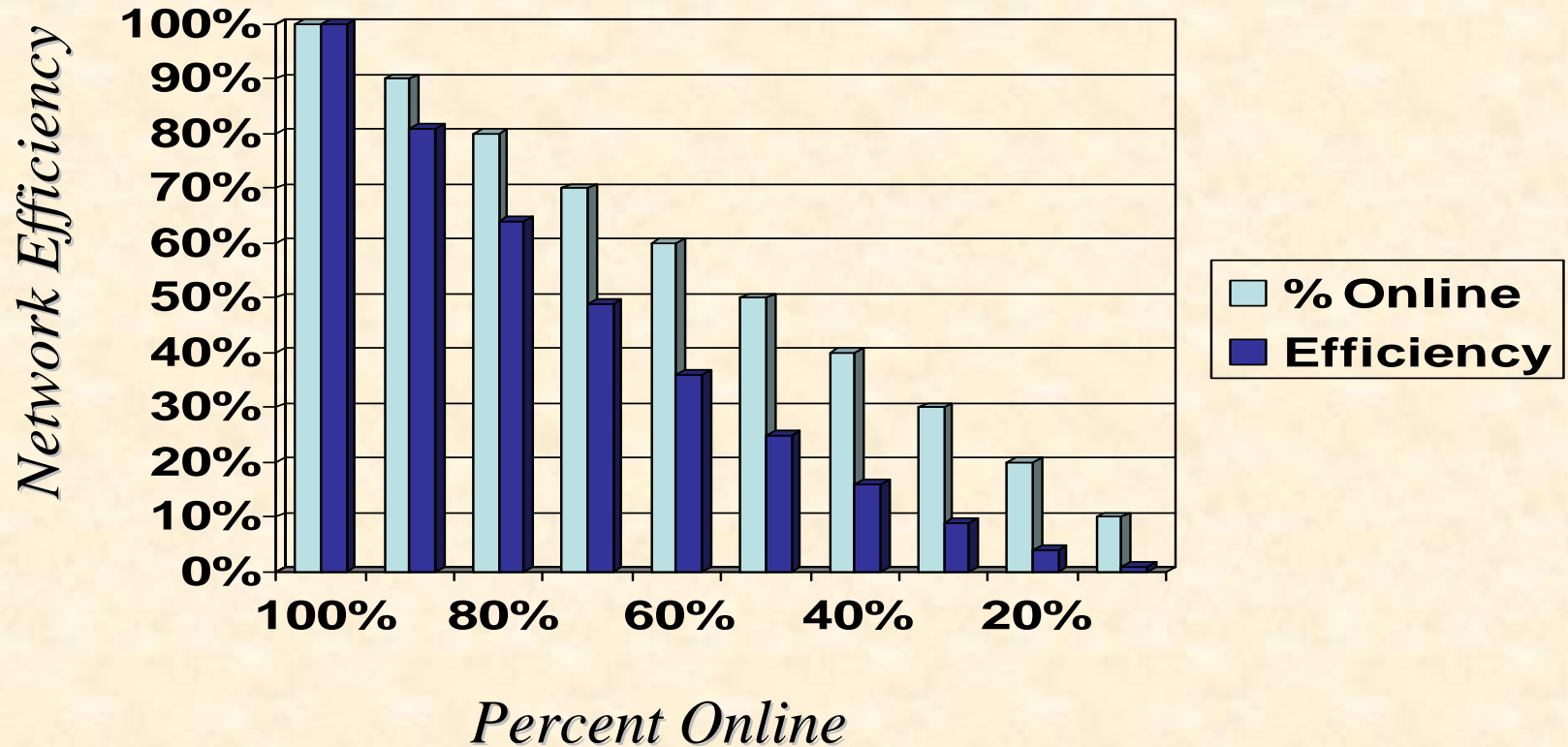


- **Reduces Cost to operate**
- **Reduces Capital IT cost**
- **Reduces cost to upgrade**
- **Reduces security Management cost**
- **Reduces integration cost**
- **Reduces cost to introduce a new installation**
- **More choice in products**
- **More price points and feature sets**

*Each of these items has a very significant percentage movement in the beneficial direction*



# ROI Computation for Interoperability Network-wide



*When the community is not fully online, the effect on overall Network Efficiency is calculated as  $n^2$*

