

The background of the slide is a conceptual network diagram. It features a central red sphere connected to several yellow rectangular blocks by white lines. These yellow blocks are further connected to other yellow blocks and blue hexagonal shapes, creating a complex web. Several stylized business figures in suits are positioned around the network, some standing on yellow blocks and others pointing towards the connections, symbolizing a utility perspective on a networked system.

A utility perspective

EWEB Strategic Concerns



Meet new
load
growth

Balance
variable
wind
resources

Reduce
operating
costs

Key information requirements

Supply
data

Cost data

Demand data

Getting data from here to there

Generation &
Transmission

Distribution

Customer

Integration and Interoperability

- Interoperability seems like a goal, not a reality
 - No data collection at consumer level (ie. smart meter)
 - Generation and transmission data contained within silos that mirror NERC ESP boundaries
 - DR projects are “one-off” networks and data stores
 - Legacy core systems don't integrate easily
 - A seemingly endless chain of point-to-point interfaces

Data to
customer

- TOU/RTP pricing
- Usage data to drive efficiency

Data from
customer

- Interval consumption data
- Participation in DR events

Data from
Generation

- Availability of renewables

