

Smart Grid – Indiana IOUs

- Duke
 - IURC Docket No. 43501
 - End-to-end Smart Grid system envisioned in pilot
 - Waiting for IURC approval
 - 40,000 meter pilot in the Carmel, IN area
- Indiana Michigan (I&M)
 - IURC Docket No. 43231
 - Smart Meter Pilot Program – South Bend, IN
 - 9,600 AMI Meters, Distribution Automation
 - Final Report submitted March 29, 2011

Smart Grid – Indiana IOUs

- Indianapolis Power & Light (IPL)
 - Existing AMR system
 - Utility upgrading to a quasi-AMI system using hybrid technologies
- Vectren
 - No viable Smart Grid pilots or programs in place or under consideration
- Northern Indiana Public Service Company (NIPSCO)
 - No viable Smart Grid pilots or programs in place or under consideration

Smart Grid – Indiana

REMC/Muni's

- REMCs and Municipal Electricians are introducing Smart Grid systems/technologies aggressively
 - Smart Grid & SG-compatible technology/capability deployments
 - Meters, Distribution Automation, etc.
 - Multi-utility Smart Grid system integrations
 - Electric/Water system integration
 - Lebanon Municipal
 - Electric/Telecom system integration
 - NineConnect
 - » Central Indiana Power merger w/Hancock Telecom

RTO Demand Response Participation

How to facilitate demand response participation in RTO markets?

- Although the Indiana legislature considered moving to retail competition, it did not do so. Indiana retail service continues to be provided by vertically integrated monopoly service providers.
- Access to deregulated wholesale markets has been good to Indiana ratepayers, as Indiana utilities can readily sell excess generation or buy needed power.
- Indiana customers get the benefit of their utilities' customer-funded rate base, as well as access to the wholesale market.

RTO Demand Response Participation

43566 Investigation by Indiana Commission –

- “any and all issues associated with an end-use customer’s participation in demand response programs offered by the Midwest ISO or PJM”
- Supportive of increasing demand response participation, but direct participation not provided for in Indiana’s regulatory framework.
- Integrated Resource Planning requires utilities to be able to make their own projections for demand response and share them with their regulators, which benefits all ratepayers (AEP meets Indiana customers’ capacity needs through reliance on the “Fixed Resource Requirement” opt-out option).

RTO Demand Response Participation

The Solution –

- Retail tariffs for each of the Indiana utilities, for RTO participation. Since then, the OUCC has worked with the various Indiana utilities and end-use customers to develop tariffs for participation in PJM's Emergency Demand Response Program (approved 4/08/11). A proposed order for the Economic Demand Response Program was filed 4/27/11. An Ancillary Services tariff will be developed this summer.
- Tariff offerings also allow customers to contract with curtailment service providers, to help facilitate small customer participation.