

# Illinois as Smart Grid Leader

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# How did Illinois become a Smart Grid Leader?

- Favorable Regulatory Structure
  - Deregulated markets
  - MISO/PJM participation
  - RPS
- Strong Integrated Economic Cluster
- \$3.2 Billion Capital Investment- EIMA

# Do These Metrics Really Capture Illinois' Advantage?

- AMI Deployment roll-out will provide Economic Development opportunities
- Consumer Education and Engagement raise the opportunity for additional growth

# A Window of Opportunity

- **Technology-** AMI Deployment (and Immediate post-deployment) provides a window for new technology
- **Consumer Engagement-** Post-Deployment Period provides an opportunity to solidify consumer impressions of the Smart Grid
- **Aligning Local and State Policies**

# What Are Illinois' Challenges?

- **Explaining the Smart Grid**
- **Providing Smart Grid “Role Models”**
- **Leveraging Illinois' Unique Assets**



# Explaining the Smart Grid

- Customers need to see **personal benefit** from smart grid technology
- Key Technology Drivers- HEMS/Smart Sockets
- Key Policy Drivers:
  - TOU/Peak Time/Real Time Pricing Options
  - Incorporating Electricity Market Participation (DR, Ancillary) into Municipal Aggregation Contracts

# Providing Role Models

- Residential and Commercial **demonstration projects** stretch the possibilities of Smart Grid



**Shedd Aquarium** Master Energy Roadmap-

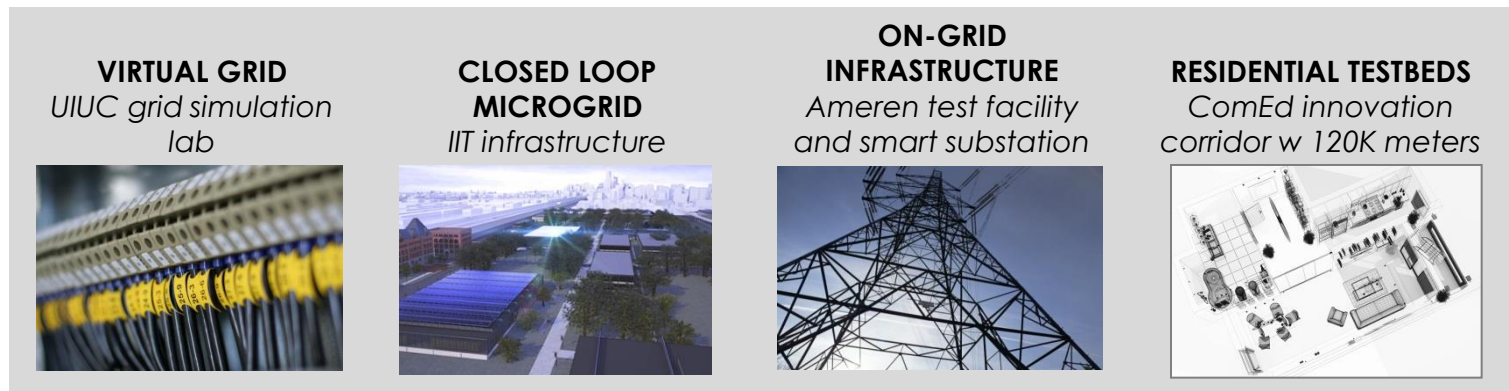
50% electricity reduction by 2020  
dependent in large part on smart  
grid-enabled tech



Village of Oak Park **Smart City USA-**  
Community-led microgrid initiative to  
aggregate distributed generation  
and Advanced monitoring

# Leveraging Unique Assets

- Improving Visibility of and Access to Smart Grid **Test-Beds**



- Stimulating Customer Investment after **AMI Deployment**-
  - Enhance **On-Bill Repayment Opportunities**