

**June 30, 2015**



**Office of Electricity  
Delivery & Energy  
Reliability**



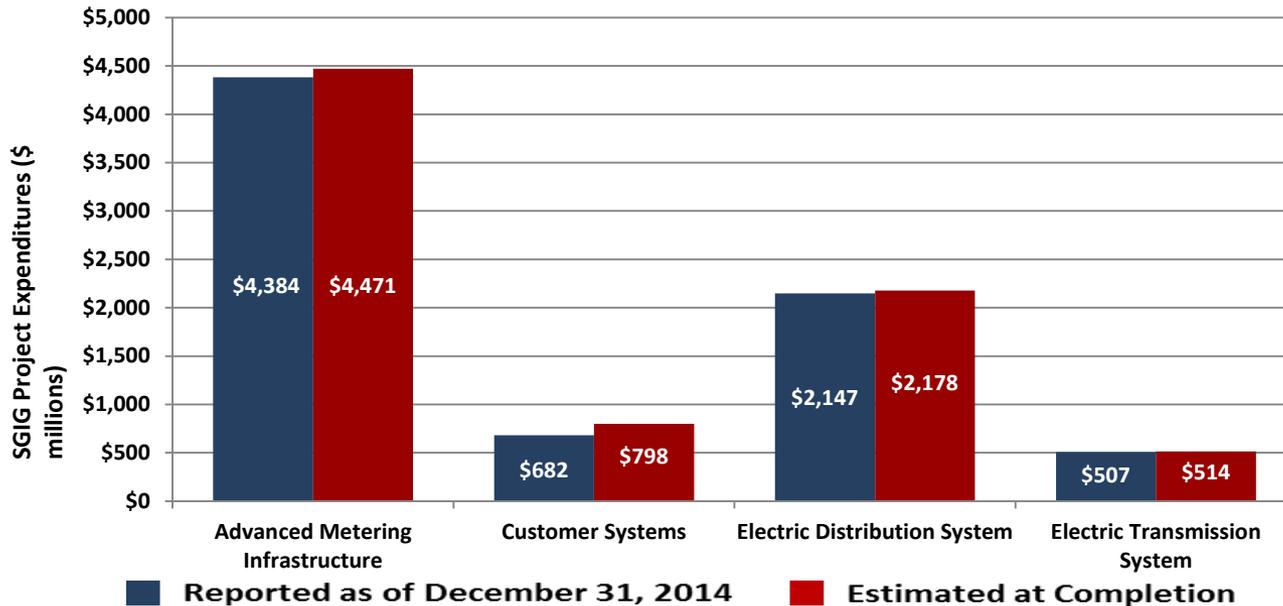
# **Recovery Act Update & Smart Grid Systems Report**

**Joe Paladino  
U.S. Department of Energy  
Electricity Advisory Committee Meeting  
June 2015**



# Summary of ARRA SGIG/SGDP Programs

## Planned versus Actual SGIG Expenditures



SGDP is further behind, but ARRA funding usage ends on Sept 30, 2015

### Reporting:

- [Interim CBS Report](#) released in **June 2015**; final in **June 2016** w/interim special topic reports
- Final report on the advancement/application of **synchrophasor technology** due **July 2015**
- Final report on application/impact of **distribution automation** technology due **Aug 2015**
- Final report on application/impact of **AMI and customer systems** due **Sept 2015**
- **Final SGIG report** in **last QTR 2015**
- **SGDP technology performance reports** will continue to be issued **through 2016** and some even later



# Smart Grid Systems Report

## EISA Title XIII – Section 1302

- Every two years report to Congress on status of smart grid deployments nationwide (due Dec 2016)
- Identify regulatory or govt barriers to continued deployment
- Include current status of prospects of smart grid development, including:
  - technology penetration
  - communications network capabilities
  - costs
  - obstacles
- May include recommendations for State and Federal policies
- Consult with Smart Grid Advisory Committee and others



# Key Questions

- What opportunities and challenges related to smart grid (grid modernization) are most meaningful to policy-makers and the decisions policy-makers must make?
- How do we describe smart grid technology, characterize its evolution, and present its current and forecasted rate of deployment?
- What are the factors that are driving/enabling smart grid deployment and what transformations are taking place?
- What market, regulatory, and technological issues affect the ability to realize the full potential of smart grid technologies and how should we address them?



# SGSR Schedule

