

# Smart Grid Investment Grant Project

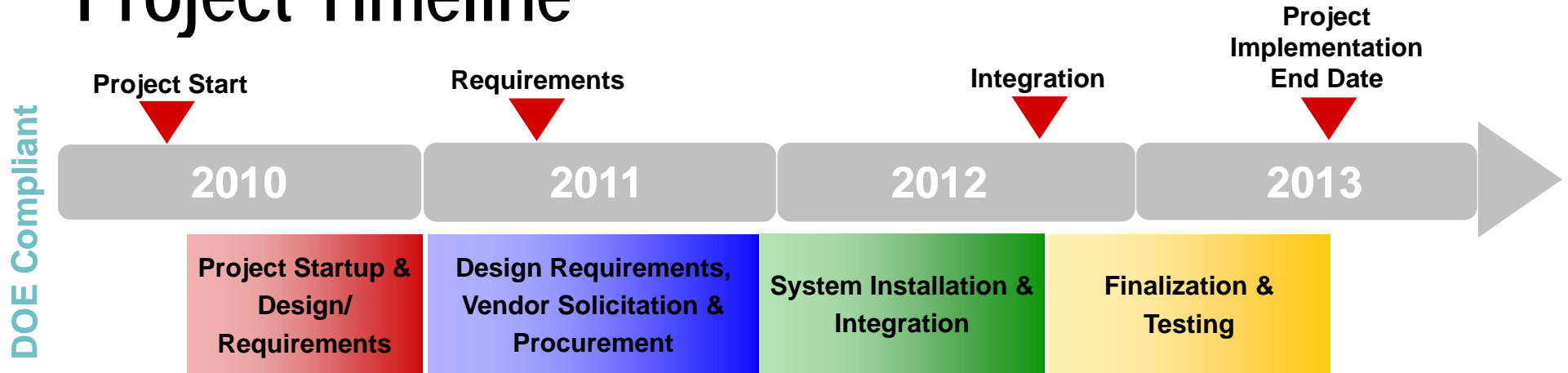
## Management Committee Project Overview

*Brian Zink, Sr. Manager IT Infrastructure and Operations  
November 29, 2011*

# Project at a Glance

- ◆ Financials:
  - *Total Budget: \$75,710,733*
  - *Federal Share: \$37,828,825*
- ◆ Equipment:
  - *39 Phasor Measurement Units*
  - *8 Phasor Data Concentrators*
  - *788 MVar of Transmission Capacitors*
- ◆ Advanced Applications:
  - *Post-Mortem Analysis*
  - *Enhanced State Estimation*
  - *Situational Awareness*

# Project Timeline



**Project Objective:** Establish Phasor Management Network which will enhance the ability of NYISO to detect system vulnerabilities and disturbances in real-time and to potentially mitigate their impact.

- ♦ **5 yr project ARRA SGIG SynchroPhasor Project**
  - *3 years to implement*
  - *Follow up 2 years for reporting*
- ♦ **Scope = 3 tracks**
  - *Phasor Management Network*
  - *Studies*
  - *Capacitors*
- ♦ **Grant: \$75.7M**

# Status Update

## ◆ Recent Accomplishments:

- *Signed Contract with Utilicast for NYISO technology implementation*
- *Site visits to all TOs to review schedule, budget, and cyber security*

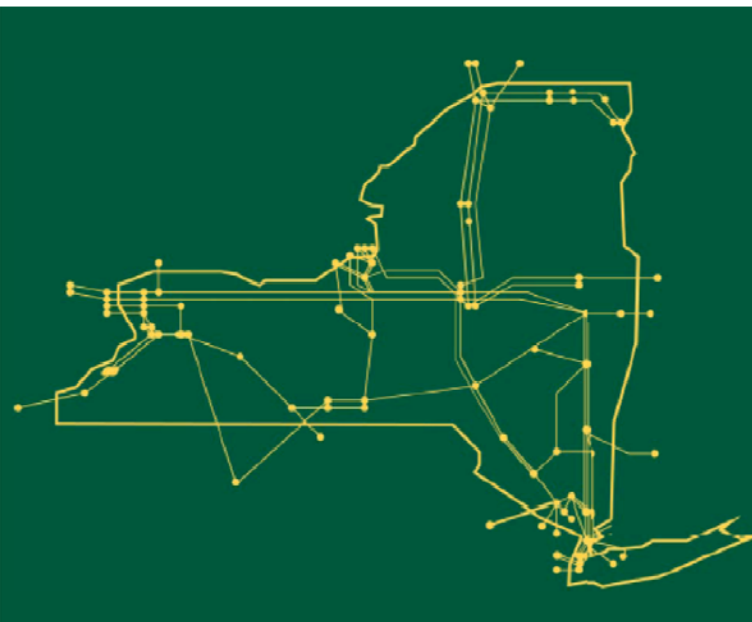
## ◆ Budget:

- *TO revisions due December 15<sup>th</sup>*
- *NYISO reviewing and updating by December 15<sup>th</sup>*
- *Discussing budget options with PSC and DOE*

## ◆ Next Steps:

- *Project Kick-off with Utilicast/Architecture Design - EOY*
- *TO Equipment Installations – starting December*
- *NYISO Equipment installations – starting 1<sup>st</sup> quarter 2012*
- *Revise Budgets and submit update to DOE – 1<sup>st</sup> quarter 2012*

The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.



*[www.nyiso.com](http://www.nyiso.com)*