# Recovery Act Smart Grid Investments
## SYNCHROPHASOR PROJECT STATUS
### 1 November 2014

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### REAL-TIME APPLICATIONS
- Oscillation Detection
- Phase angle monitoring
- Frequency Event detection
- Voltage stability monitoring
- Event Management, Alarm, Restoration
- General Event Detection
- Islanding detection
- Wide area awareness/visibility

### STUDY MODE APPLICATIONS
- Model validation & improvement
- State estimation model improvement
- Power plant model improvement
- Post event analysis
- Operator training

*NYISO also installed 938 MVAR of switched capacitors*