

# Digital I&C – Industry Perspectives

July 18, 2007

**Amir Shahkarami**  
**Sr. VP Engineering & Technical Services**  
**Exelon Corporation**



NUCLEAR  
ENERGY  
INSTITUTE

# Topics

- **Objective**
- **Communication**
- **Project Plan**
- **Conclusions**

# Objective

- **Safety-focused application of digital technology**
  - Design certification
  - Current operating plants
  - New plants
  - New facilities
- **Stable, predictable and timely licensing process with realistic guidance**
- **Enhance plant safety, availability and reliability**

# Communication

- **NEI Digital I&C and Human Factors Working Group**
  - Reports to industry Chief Nuclear Officers
  - Participate on the Digital I&C Steering Committee
  - Coordinate with NEI New Plant Working Group
  - Major vendor participation
  - Integrated, focused attention to ensure safety-focused, stable and predictable licensing process

# Project Plan

- Disciplined Framework
  - Issue scope and definition
  - Deliverables
  - Milestones
  - Accountability
  - Integrated approaches to resolution
- Fundamental tool for management oversight and coordination

# Conclusions

- **Progress has been made**
- **Project plan provides a framework going forward**
  - Integrate lessons learned and other improvements
- **Maintain focused management attention during the longer term**