



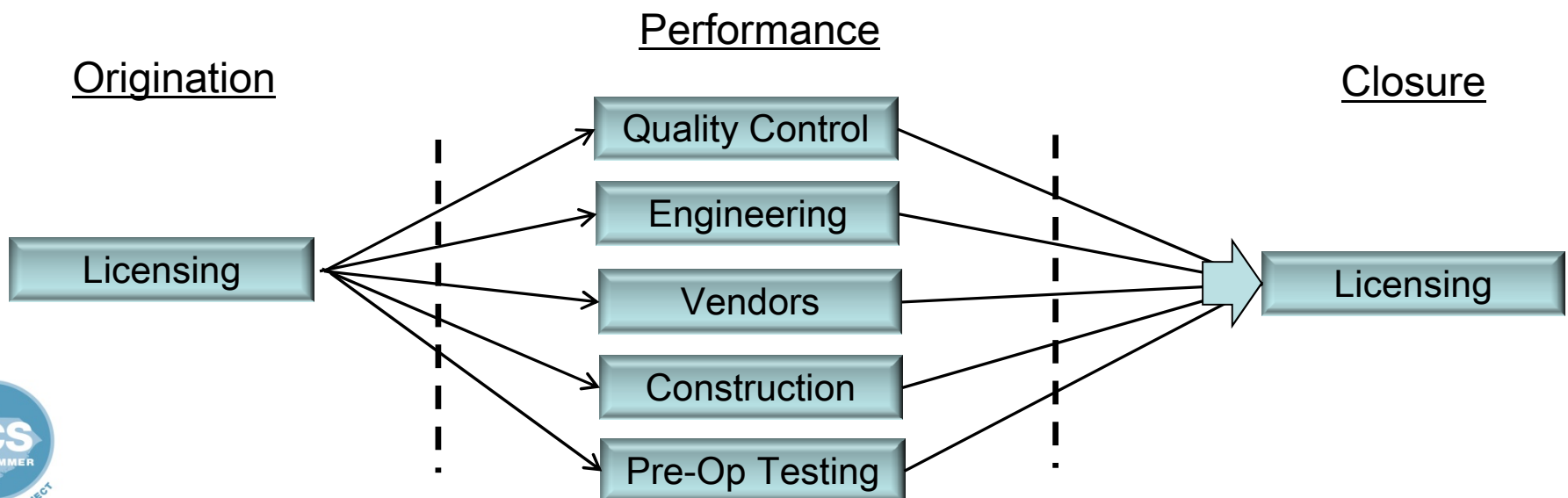
*SCE&G • Santee Cooper  
Shaw • Westinghouse Electric Company*

# Construction Status/Lessons Learned Update

## AP1000<sup>®</sup> ITAAC Performance

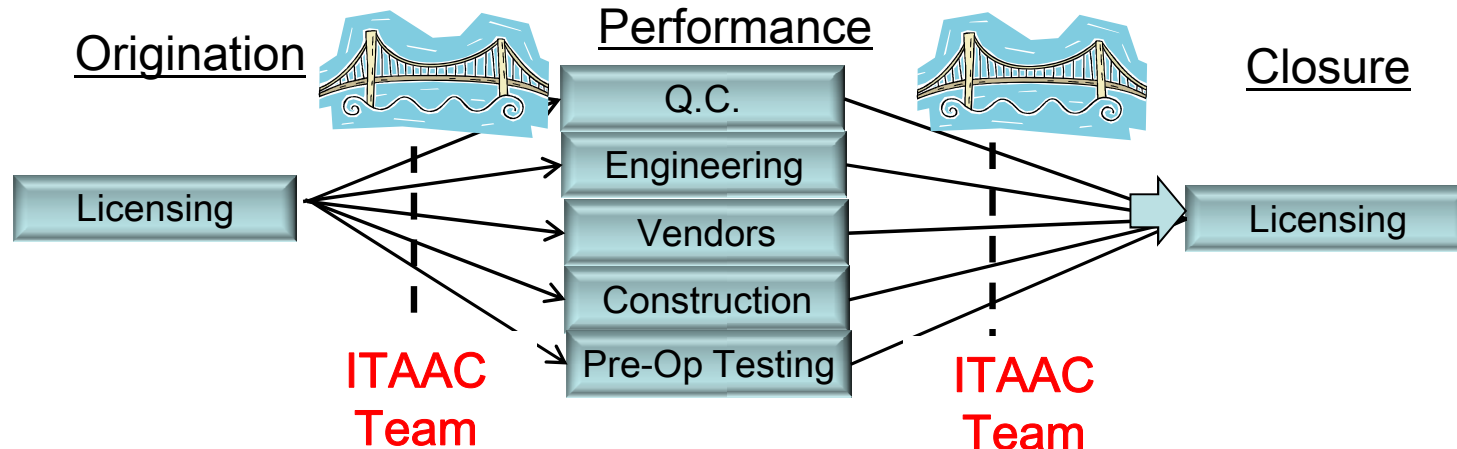
# ITAAC Program Overview

- ITAAC:
  - Begin in the Licensing Basis
  - Are performed by Functional Groups in accordance with normal work processes
  - Are documented in Inspection Reports, Test Reports, Completed Work Packages, Analysis Reports, ASME Code Reports, etc
  - Are closed by Licensing sending a letter to NRC summarizing the basis for determining the ITAAC was completed



# ITAAC Program Overview

- VCS ITAAC Team (SCE&G and WEC/Shaw Consortium)
  - Multi-disciplined team on site, includes representation from the functional groups that have a role in completing ITAAC
  - Focused on planning, coordination, oversight, and tracking of ITAAC performance.

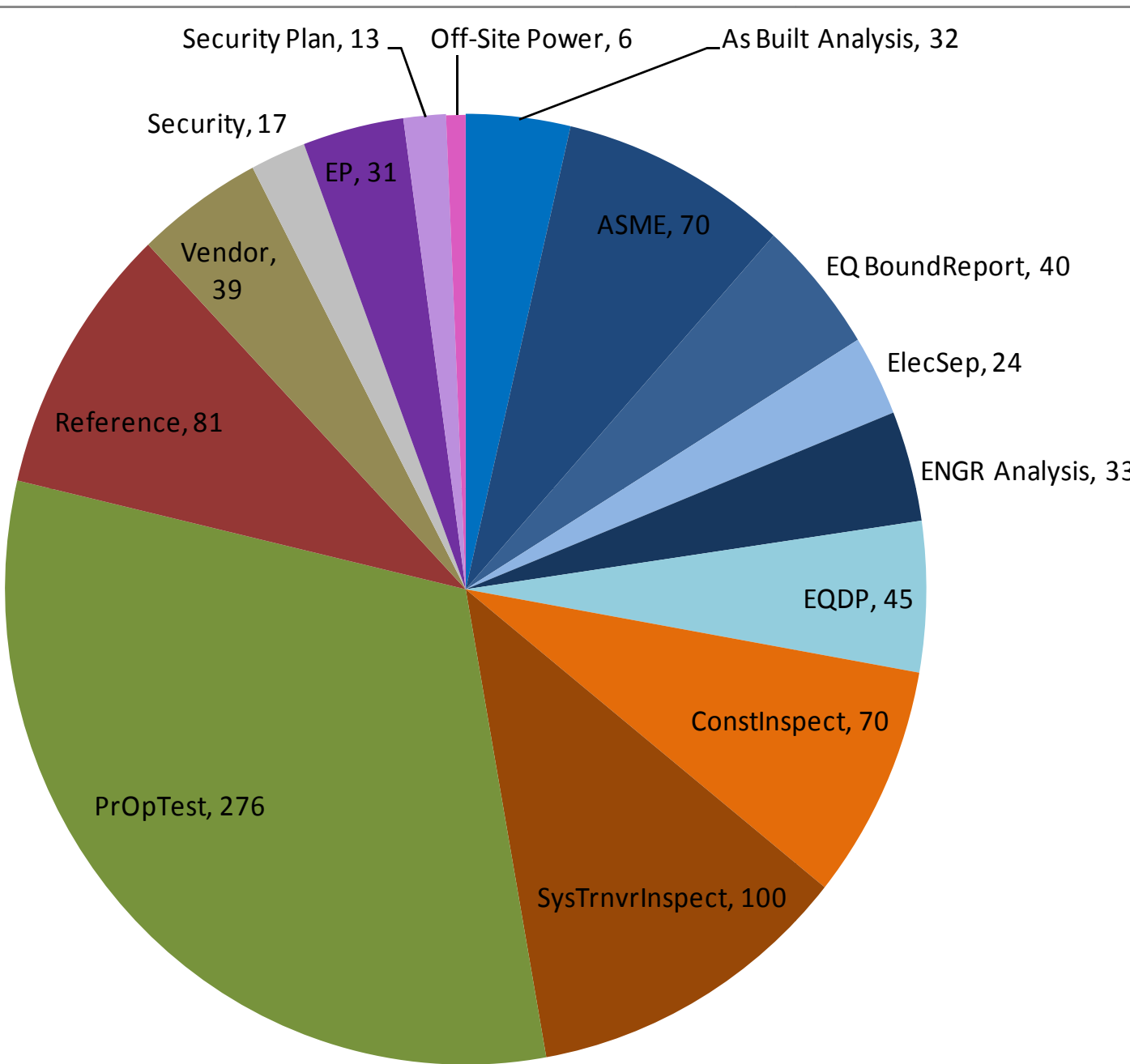


# ITAAC Program Overview

- ITAAC Planning
  - Each ITAAC will have an “ITAAC Completion Plan” outlining the strategy for ITAAC performance and the documentation necessary to support closure.
  - Detailed Planning is still required.
- ITAAC Tracking
  - ITAAC Tracking Database developed to track ITAAC information and ITAAC documentation
- ITAAC and the Quality Program
  - Not all ITAAC are safety-related, but all ITAAC will be performed under the Quality Program



# V.C. Summer ITAAC Types (By Owner)



<b>Engineering</b>	<b>244</b>
As-Built Analysis	32
ASME	70
EQ Reconciliation	40
Electrical Separation	24
Engineering Analysis	33
Equipment Qualification	45
<b>Construction</b>	<b>170</b>
Construction Inspection	70
System Turnover Inspection	100
<b>Pre-op Testing</b>	<b>276</b>
<b>Licensing</b>	<b>90</b>
Reference	81
<b>Multiple</b>	<b>39</b>
Vendor	39
<b>Other</b>	<b>17</b>
Security	17
<b>SCE&amp;G</b>	<b>50</b>
Emergency Plan	31
Security Plan	13
Off-Site Power	6

# Upcoming ITAAC Activities in 2012

## (Pending COL Issue)

- Equipment Qualification Type Testing/Analysis
  - Applicable to all U.S. AP1000 projects
  - Seismic, Harsh Environment, Active Safety Function
- Vendor ITAAC
  - Specific to individual components for each AP1000 unit
- Construction Inspections
  - Related to early site-work, including water barrier placement, concrete thickness of basemat and Nuclear Island walls
- Reference ITAAC
  - Closure notification(s) for ITAAC that only reference other completed ITAAC



# Key ITAAC Program Lessons Learned

- ITAAC Program Development
  - NEI 08-01/RG 1.215 focus on licensing aspects of ITAAC Completion.
  - ITAAC “Project Management” necessary to translate licensing requirements, track ITAAC status, collect documentation that supports ITAAC closure under NEI 08-01
  - Interfaces between ITAAC and existing programs (Configuration Management, Work Control, Preoperational Testing, etc.) must be well defined.
- ITAAC Schedule Development
  - Detailed ITAAC activities should be added to the Integrated Project Schedule for visibility, and to support Licensee and NRC oversight

