



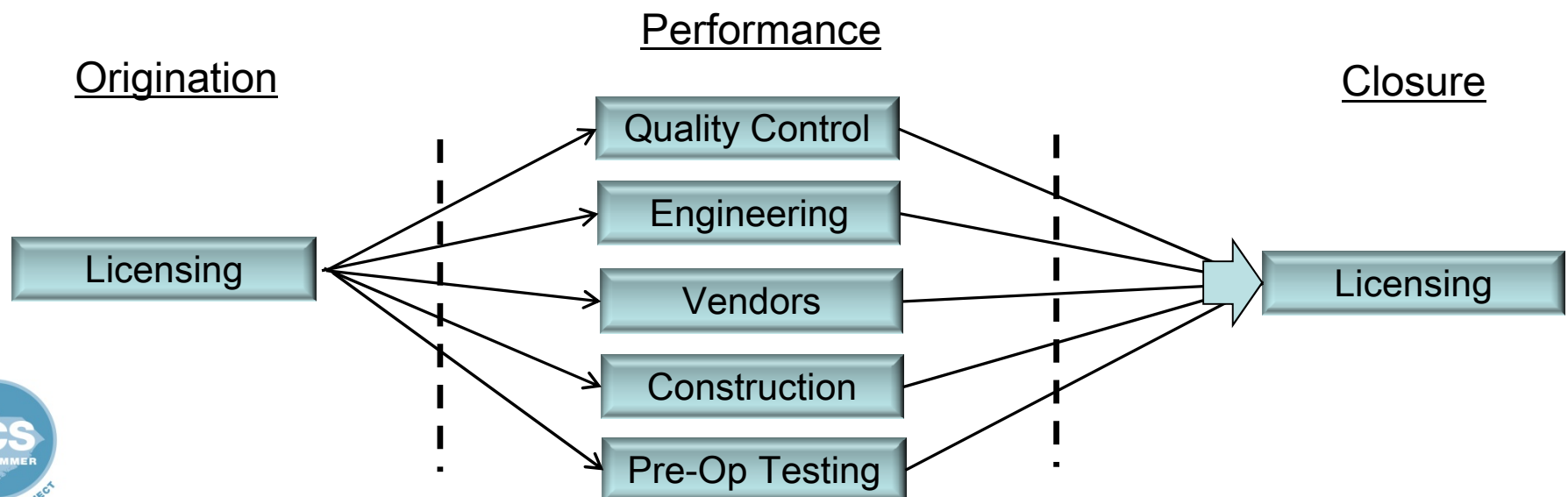
*SCE&G • Santee Cooper
Shaw • Westinghouse Electric Company*

Construction Status/Lessons Learned Update

AP1000® ITAAC Performance

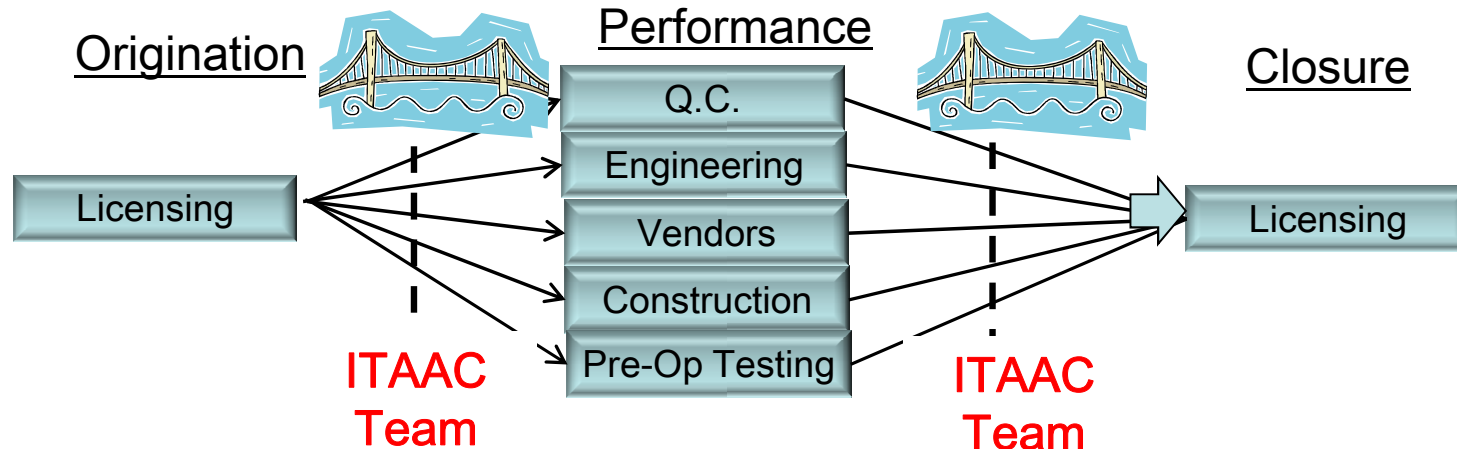
ITAAC Program Overview

- 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.

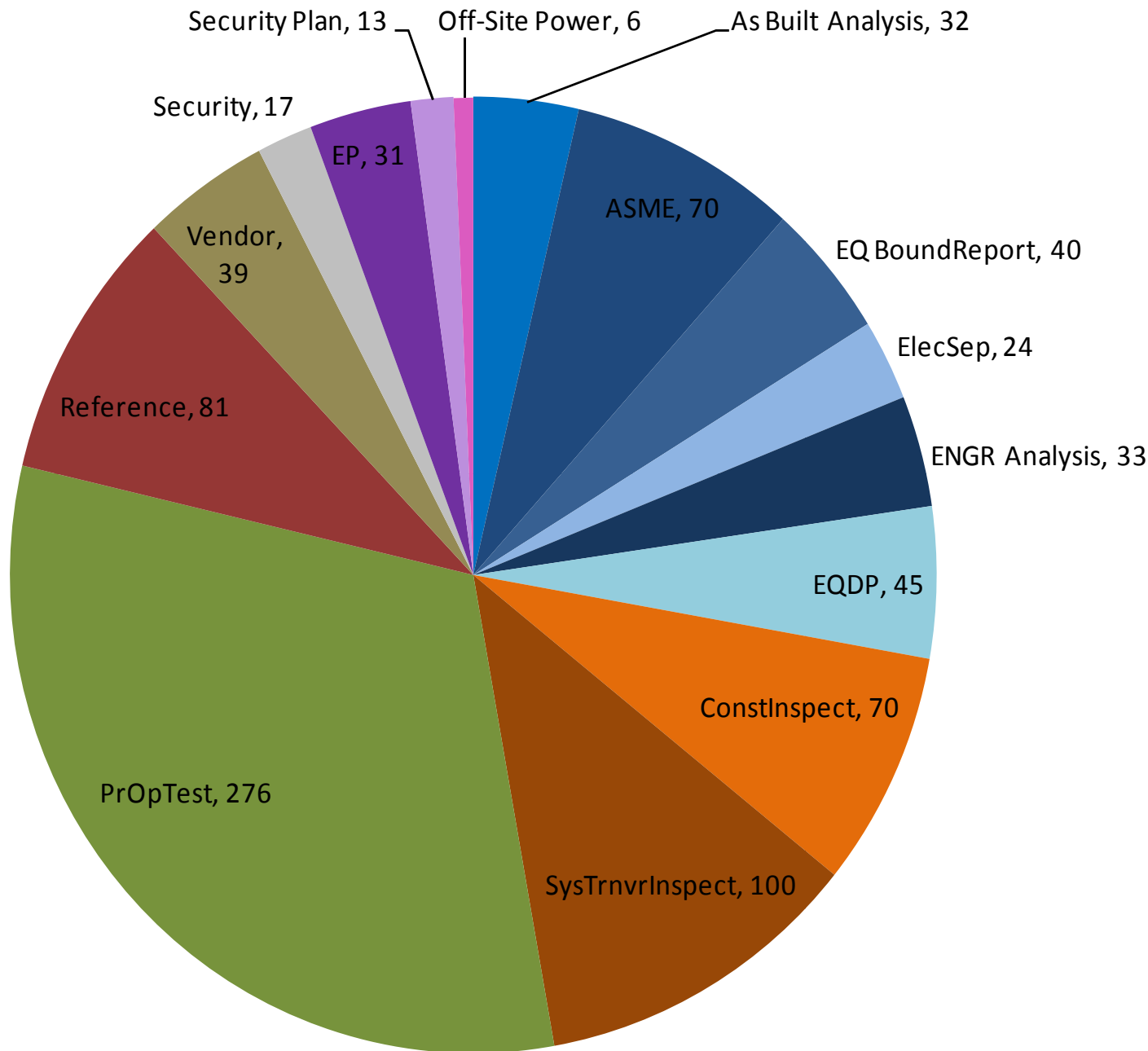


ITAAC Program Overview

- 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)



Engineering		244
As-Built Analysis		32
ASME		70
EQ Reconciliation		40
Electrical Separation		24
Engineering Analysis		33
Equipment Qualification		45

Construction		170
Construction Inspection		70
System Turnover Inspection		100

Pre-op Testing		276
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Licensing		90
Reference		81

Multiple		39
Vendor		39

Other		17
Security		17

SCE&G		50
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

