

NEI Early Site Permit Task Force

Meeting with NRC to discuss NEI 10-01
Industry Guideline for Developing a Plant Parameter Envelope
August 25, 2010



NUCLEAR
ENERGY
INSTITUTE

Agenda

- Task Force Description
- Task Force Path Forward
- NEI 10-01
- Discussion/Feedback

ESP Task Force

- Formed in fall 2009 to support ESP applications expected in 2010 and beyond
- Focused on developing tools to help standardize ESP applications
- Consists of Broad Membership
 - Utilities planning to file ESPs
 - Utilities with approved ESPs
 - Vendors
 - Conventional Light Water Reactors
 - Small/Modular Light Water Reactors

ESP Task Force Path Forward

Existing ESPs



Standardized Tools



ESP Task Force

ESP Task Force



Refined Tools

Lessons Learned



NEI Guidance



Exelon



PSEG



Approved Guidance



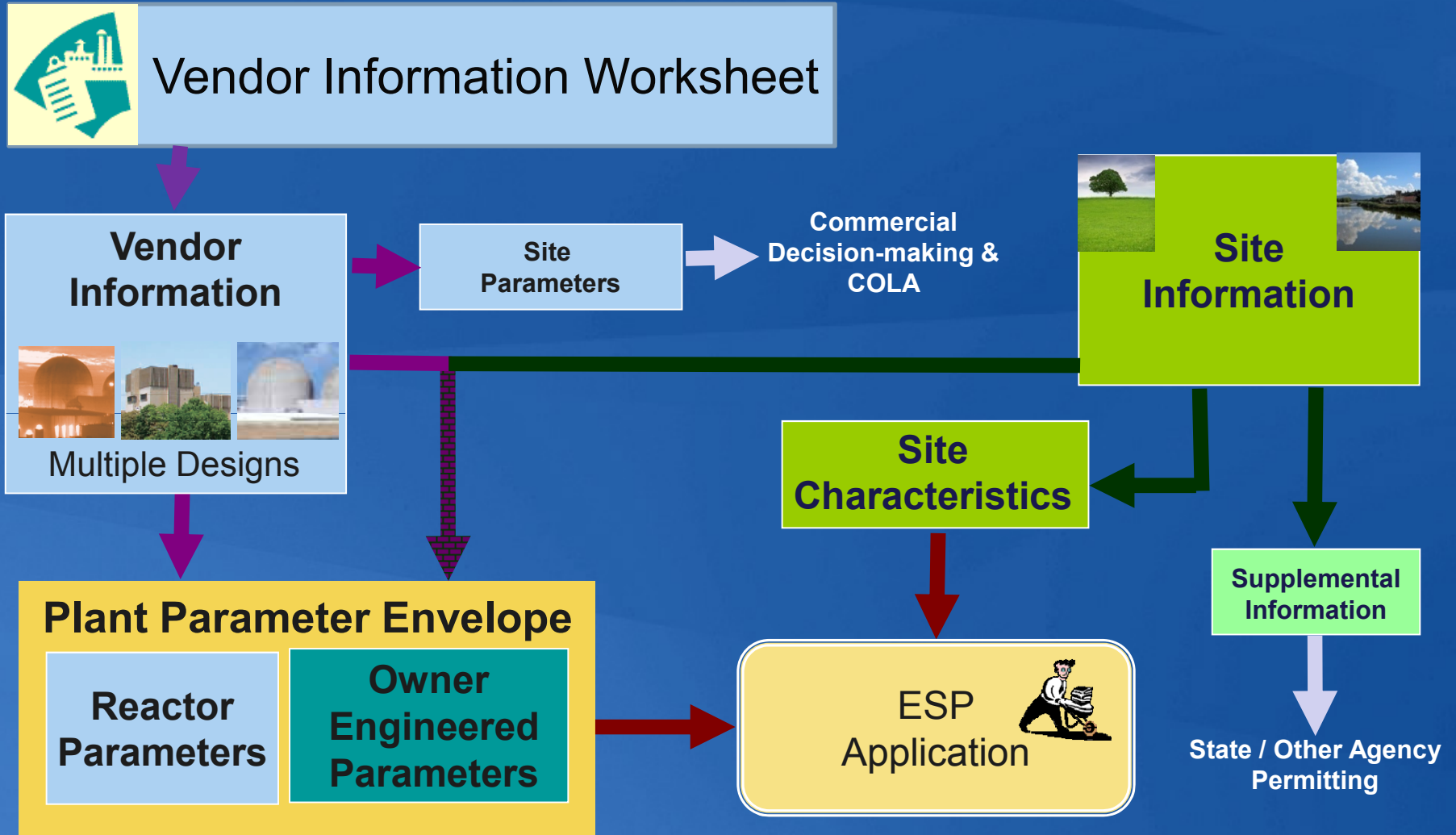
ESP Applications

Approved ESPs

Future Applications



PPE Concept – NEI 10-01*



*NEI 10-01, Revision 0, Industry Guideline for Developing a Plant Parameter Envelope in Support of an Early Site Permit, submitted to NRC on 3/26/2010

NEI 10-01 is...

- Industry Guidance for Process to Develop a PPE
 - PSEG and Exelon cooperated on development and utilization of a common Vendor Information Worksheet
 - Reviewed with other NEI members and experienced ESP applicants
 - Vendor reviews conducted
 - Process for using Vendor Information Worksheet to construct a PPE in support of an ESP application described in NEI 10-01
 - Industry is seeking NRC endorsement of NEI 10-01 to assure that the process outlined will support NRC's review needs
- Based on the idea that a PPE is developed to bound potential designs



NEI 10-01 is NOT...

- A substitute for NRC requirements/guidance
- A fully assembled PPE
- A compilation of specific PPE values
- Based on the idea that a PPE must be constructed from actual design details

PPE Guidance – Conclusion

- Benefits
 - Guidance for new applicants
 - Consistent set of parameters and definitions
 - Vendors input simplified and controlled
 - Aid NRC review by providing visibility as to how PPE was developed
- In asking NRC to endorse NEI 10-01 we are looking for agreement that the process described and vendor information worksheet contained therein constitute a logical, consistent, and workable framework for developing a PPE