

## Addition of Callaway and Bell Bend Ground Motions to U.S. EPR FSAR

### **One design meets criteria for all current U.S. EPR sites**

- Bell Bend and Callaway spectra will be added to the U.S. EPR FSAR as two additional Certified Seismic Design Response Spectra (CSDRS). 3 ground motions per plant will be added for a total of 6 additional motions. (Upper Bound, Lower Bound, Best Estimate per SRP 3.7.1)
- Structural evaluations will be performed with all individual soil condition and ground motion combinations.
- NSSS evaluations will receive all individual soil/ground motion case results from the structural group and determine which cases are controlling. Analysis will be performed with individual soil/ground motion cases that are controlling.
- Piping analysis, equipment qualification, cabletray, HVAC, etc. will receive an envelope of in-structure spectra from all of the soil/ground motion cases at each location in the structure.
- Corresponding U.S. EPR FSAR markups to be submitted to the NRC by the end of October 2009.
- Affected U.S. EPR FSAR sections: Sections 2.5 and 3.7.

## **Implementation**

### **June 2009**

- Callaway and Bell Bend will docket a description or possibly a strike through of affected COLA FSAR Sections that will incorporate the U.S. EPR FSAR by reference
- Request that NRC continue review on non-affected sections

### **Fourth quarter 2009**

- AREVA will submit the updated information for the U.S. EPR FSAR
- Callaway and Bell Bend will provide COLA supplements to align with U.S. EPR FSAR update

### **2010**

- AREVA will incorporate the updated information in a revision to the U.S. EPR FSAR
- Callaway and Bell Bend will provide conforming COLA revisions shortly thereafter that remove the existing departures.