

### Questions for the April 1 Public Meeting

1. Staff requests that Dominion provide a brief presentation on developing the vertical FIRS and PBSRS for the RB/FB, CB, and FWSC from the horizontal FIRS and PBSRS.
2. The applicant is requested to provide in digital format the FWSC SSI models for a staff confirmatory analysis. The information to be submitted should include (1) the SASSI models for the LB, BE, and UB soil profiles (SITE, POINT3D, HOUSE, ANALYS, MOTION, and STRESS input files); (2) the in-column input time histories for the two control points (at the bottom of the FWSC foundation and at the bottom of the concrete fill); and (3) the strain-compatible structural fill and concrete fill properties for FWSC.
3. The staff requests that the applicant provide in digital format (1) the 60 strain-compatible soil profiles for cases LF4, HF4, LF5, and HF5; (2) the log-mean and log-SD for the two hazard levels  $10^{-4}$  AND  $10^{-5}$ ; (3) the log-mean and log-SD corresponding to the FIRS; and (4) the LB, BE, UB soil profiles. Each strain-compatible soil profile should include the shear wave velocity, damping value, and layer thickness for each layer of the profile. These data will be used in a staff confirmatory analysis.
4. In FSAR Revision 8, June 2014, Section 3.7.1.1.5.1.1 states at the end of the first paragraph:

*“Additionally, the power spectrum density (PSD) of the spectrum matched time histories are compared to reference PSDs developed consistent with the target response spectra using the site response analysis, the methodology and data provided in Appendix B of SRP 3.7.1, and the deaggregation information from the probabilistic seismic hazard analysis for the site. For each spectrum matched time history, it is confirmed that its PSD does not fall below 80 percent of its corresponding reference PSD.”*

The FSAR markup provided with the 2/23/2015 RAI response submittal does not include a revision of these statements. In addition, based on the response to RAI Question 3.7.1-12, the applicant did not perform comparisons of the PSD estimates to any target PSDs. As such the applicant is requested to address this inconsistency, check other parts of the FSAR Rev 8 which may be affected by addressing the RAI questions, and revise them as appropriate.