

significant gaps in power or justify the adequacy of the time histories used in the AP1000 SSO analysis and design, with respect to effects on structural response, as applicable.

3. In contrast to Figures 3-5 through 3-7 in the Option Report, a number of displacement and velocity time histories developed from the acceleration time histories were shown to have residual values. Please provide a technical justification on the adequacy of their use in the analysis and design.
4. The staff compared the PSD functions shown in Figure 3-10 of the SSO Topical Report and the respective PSD functions in the RAI response and found that the former are generally lower than the latter. The staff request WEC to clarify this discrepancy and correct any inconsistency as necessary. Further, the staff request WEC to clarify whether the design time histories have changed.

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