

Agenda – Seismic Thresholds for Embankment Dams & Their Return Periods

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9-9:05: Webinar Goals & Objectives

9:05-9:15: FERC Inventory and the Benefit of Seismic Thresholds

9:15-9:25: Seismic Analysis of Record for 50 Earthfill/Rockfill Dams

9:25-9:30: Permanent Displacements of 50 Earthfill/Rockfill Dams as a Function of Base Accelerations

9:30-9:35: Incorporating Case Histories to Validate Predicted Permanent Displacements

9:35-9:40: Relationships of seismic yield coefficients, permanent displacement criteria and failure PGAs

9:40-9:45: Q&A on the first focus area

9:45-9:55: Estimated Return Periods of MCE-PGA for the 50 Earthfill/Rockfill Dams

9:55--10:05: Return Periods of Permanent Displacement Failure

10:05-10:15: Comparison of Return Periods between Dam Failure and MCE-PGA

10:15-10:20: Observations on this study's results and return period based seismic hazard criteria

10:20-10:30: Q&A on the second focus area and the entire discussion