



## ASCE 7-22 Seminar: May 5

Join us for discussion of the new multi-period response spectrum included in ASCE 7-22 and potential early adoption into the state building code with C.B. Crouse and Scott Neuman.

### Details:

May 5, 3:30-5:00pm

Hybrid meeting with remote or in-person attendance available.

Remote attendees: [Join via Teams \(link\)](#), no RSVP necessary

In-person attendees: [RSVP by email](#) (preferred but not required). Note that in-person attendees will sign a waiver on arrival, as required by EERI policy.

### Location:

Room 5120

Two Union Square (51st floor conference center), 601 Union Street in downtown Seattle

### **C.B. Crouse: Ground Motion Provisions: What's New in ASCE 7-22**

The changes in the ground-motion provisions in going from ASCE 7-16 to ASCE 7-22 will be discussed. The main topic will be the USGS approach to develop Multi-Period Response Spectra (MPRS) and how the USGS tailored this approach to account for basin effects in the Puget Sound. Examples will be provided showing the differences in response spectra predicted for Seattle using ASCE 7-16 and ASCE 7-22. The presentation will conclude with other important new ground-motion provisions in ASCE 7-22.

### **Scott Neuman: Multi Period Response Spectrum in Washington State**

ASCE 7-22 introduces a new method for calculating seismic demand parameters on buildings which uses a multi-period design response spectrum. The SEAW EEC has submitted a code change proposal to the Washington State Building Code Council that seeks approval for the use of this method under the current building code to address challenges that occur when using the seismic provisions of ASCE 7-16. This presentation will compare seismic demands using both methods around the State of Washington, walk through the proposed code amendment, and demonstrate how to use the multi-period spectrum to calculate seismic demand parameters.