

Probability of Exceedance in 50-yrs.
changed from
10% (1/500 yrs.) to 2% (1/2,500 yrs.)

California

- ◆ Ratio 2 PE/10 PE = ± 1.5
- ◆ With 2/3 reduction S_{DS} = same as 10% PE

Shelby Co.

- ◆ Ratio 2 PE/10 PE = ± 5
- ◆ with 2/3 reduction S_{DS} = $3.33 \times 10\%$ PE

- Hazard Maps do not provide uniform margin of comfort for collapse prevention nationally.
- A consequence of considering a higher recurrence interval is that underlying uncertainties in the hazard estimate increase.