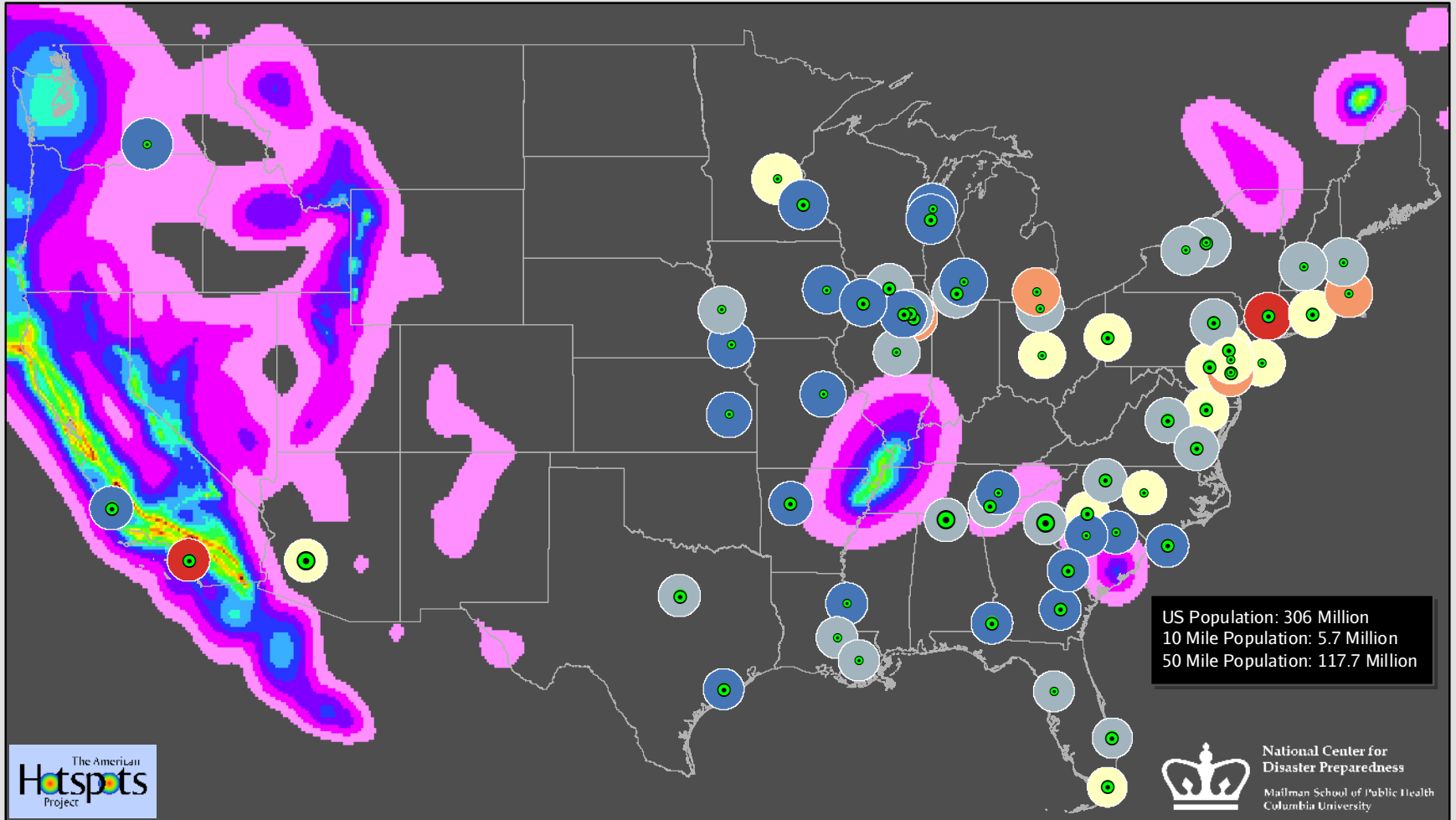


# US Nuclear Power Plants, Seismic Hazard, and Population Impact



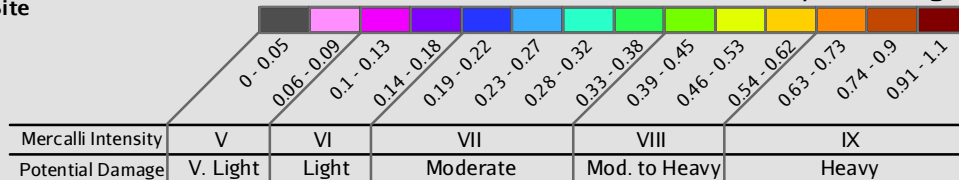
## Nuclear Power Plants

### Reactors per Site

- 1
- 2
- 3

## Earthquake Risk & Potential Damage\*

Peak Ground Acceleration (PGA) for 10% Probability in 50 Yrs (g)



## 50 Mile Radius of Nuclear Plant

### Total Population in Radius

- 25,523 - 748,635
- 748,636 - 1,946,243
- 1,946,244 - 3,364,996
- 3,364,997 - 5,778,906
- 5,778,907 - 17,552,810



\*User Notes: This map represents seismic data of Peak Ground Acceleration (PGA) for seismic events with a 10% probability in 50 years. Utilizing the PGA color scale, approximations of structural damage and earthquake intensity can be made based upon the Mercalli Intensity scale. US populations within a 50 mile radius of each nuclear plant is estimated and overlaid upon seismic risk.

\*Nuclear power plant locations based on 2010-2011 Nuclear Regulatory Commission data

\*Population data based on LandScan 2008™ Global Population Dataset

\*Earthquake data based on the USGS 2010 National Seismic Hazard Maps