

# Panel 7: Questions

- How can we deal with evolutionary changes in the coastal environment in PFHA (sea level, natural defenses, new technologies, etc.)?
- Relative to PFHA, what do you feel could be some important contributions by your group?
- How can we quantify the effects of upper limits on PFHA estimates?
- What are you see as some significant shortcomings (technical and administrative) that could hamper our efforts in PFHA for coastal surges?

# Panel 7: Significant Observations

- Significant progress has been made in modeling in probabilistic analysis
- Need for peer-review with mixture of expertise involved
- Education probabilistic concepts and hazards needed
- Agencies are collaborating and will continue to but this can be improved/expanded
- Risk-informed decision-making can be expanded (e.g. emergency response)
- Documenting full range of return periods as opposed to specific limits (e.g., 1% line)

# Panel 7: Insights

- How well can we understand the upper limit of the parameters involved (e.g., Atlantic Coast)?
- Coastal evolution is dynamic which combined with sea level rise requires design and development of coastal facilities to be adaptive
  - Shallow bathymetry may become more important
  - This variability makes paleo-analysis more difficult but this should be pursued
- Potential collaborations
  - Multi-agency effort on coordinating guidance between large existing programs
  - Wide forum for Agencies to share data and modeling results
  - Creation and maintenance of joint database of model results