

# Integrated Sea Level Rise Tool for Post-Sandy Recovery Support

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<http://globalchange.gov/what-we-do/assessment/coastal-resilience-resources>



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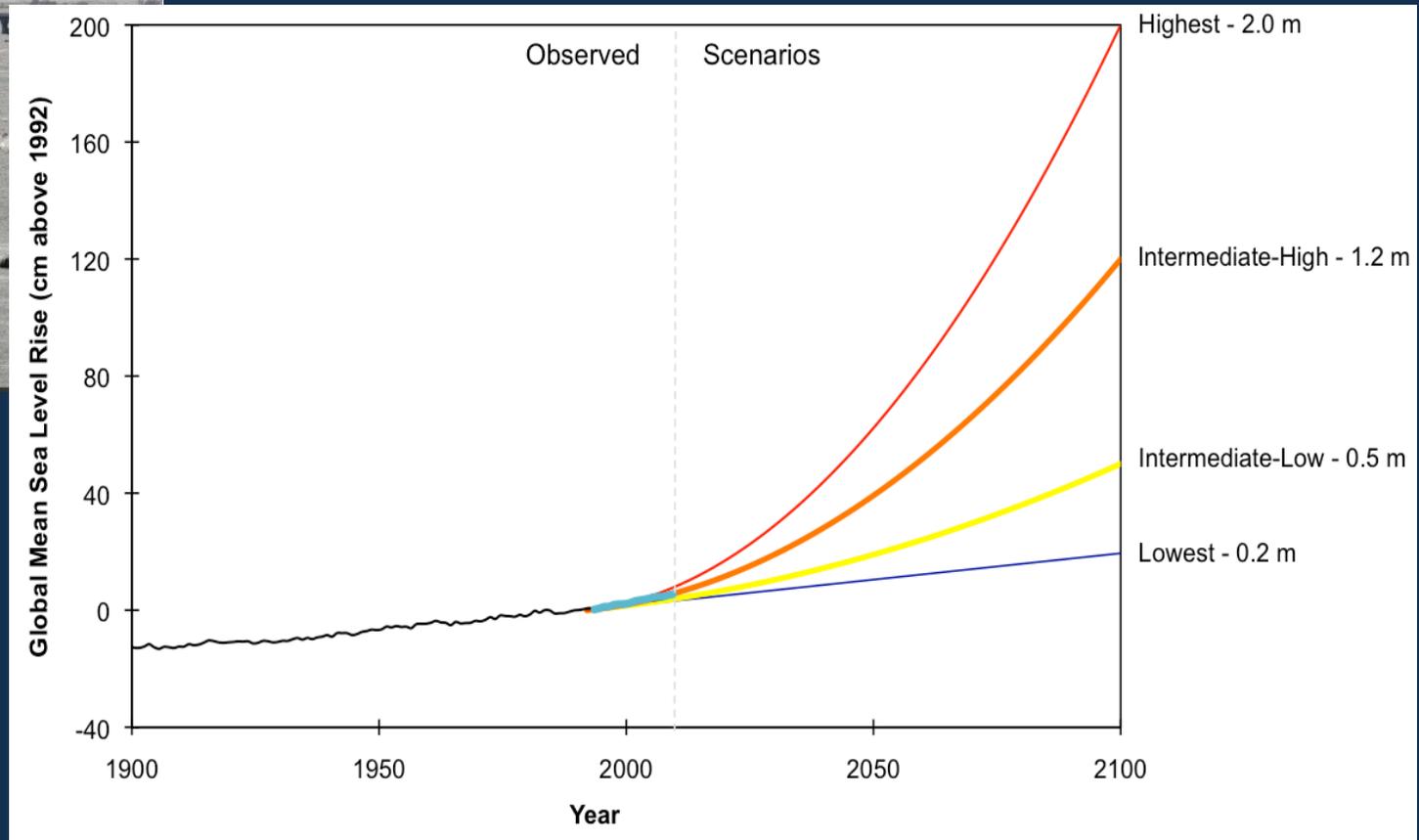
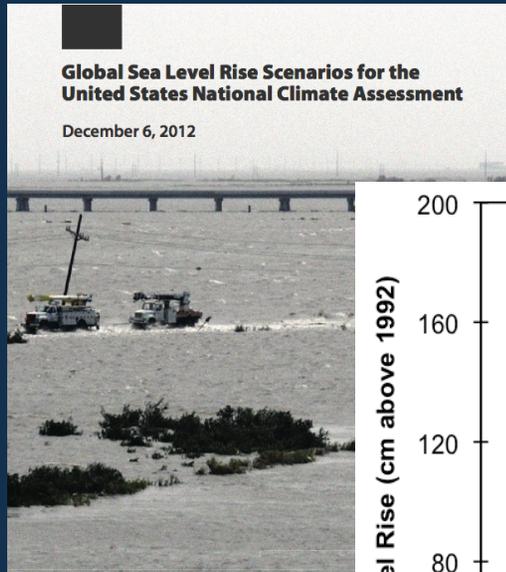


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# Mark Crowell Intro: The Sandy SLR Planning Tool “Origins” Story

- After Hurricane Sandy, Chris Weaver (USGCRP), with help from Adam Parris, (NOAA, Climate Program Office), put together a team to assist FEMA in promoting awareness of sea level rise with respect to recovery and rebuilding efforts.
- Important: FEMA’s flood maps and Base Flood Elevations (100-yr flood elevations) do not directly incorporate climate change information, including SLR.
- The core technical team, besides Chris and Adam, included Kate White (USACE), Doug Marcy (NOAA-CSC), and myself, with Susan Ruffo (CEQ) providing additional critical coordination support.
- Team developed a SLR Tool comprised of a map (horizontal/areal) component, and a SLR calculator (vertical/elevation) component.

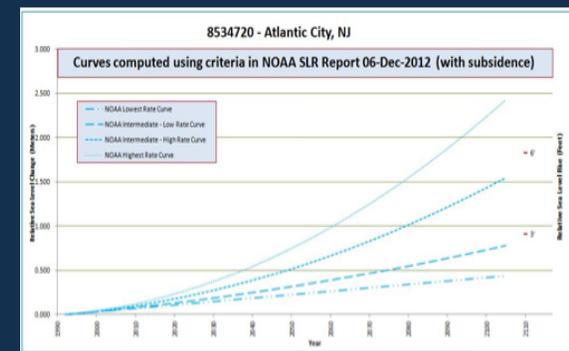
# Global SLR Scenarios



We also know of course that sea level change will vary regionally and locally

# Key Messages

- The SLR planning tool provides information on future risk of coastal flooding in the parts of NY and NJ impacted by Sandy:
  - The map tool allows display of the horizontal extent of projected flood hazard areas out to 2050 and 2100 in NY/NJ (only to 2050 in NYC)
  - The elevation calculator allows calculation of the possible future flood depths out to 2100 at 5 year increments
- Multiple federal agencies have worked together to develop this tool, using the best available science and data
- Designed to help state and local officials, community planners, and infrastructure managers understand possible future flood risks from SLR



# Questions and View Tool on Web ...

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