



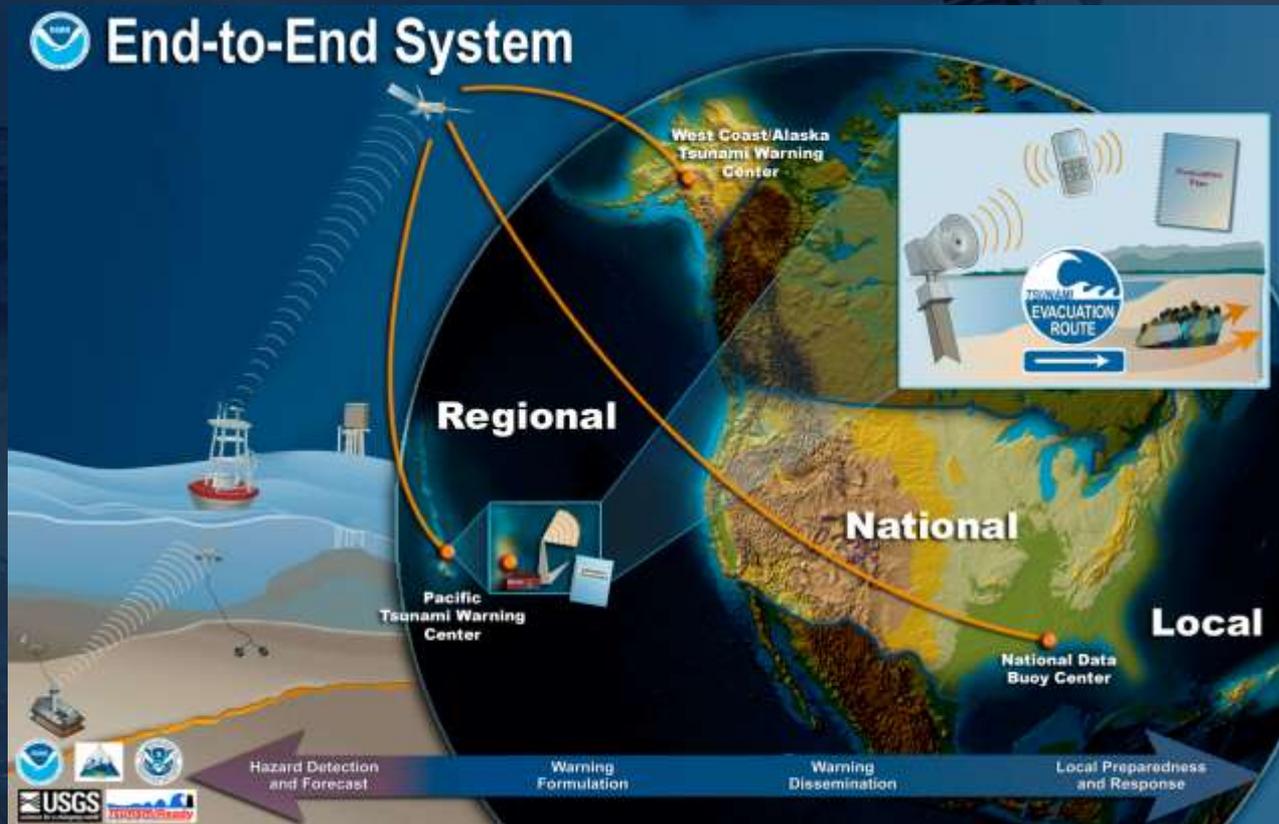
# NWS HQ Tsunami Program Update

**Michael Angove  
Director (acting)**

**NOAA/NWS Tsunami Program  
August 20, 2013**

# End-to-End Program

- Frequently asked – reaffirmed – we run a complete “end-to-end” Tsunami Program



# Program Components

## Forecast and Warning

- Pacific Tsunami Warning Center (PTWC)
- West Coast/Alaska Tsunami Warning Center (WCATWC)

## Observations

- DART Buoys—National Data Buoy Center(NDBC)
- Tide gauges—Center for Operational Oceanographic Products and Services (CO-OPS)
- Seismic Networks (AK, HI, Caribbean)

## Research

- Pacific Marine Environmental Laboratory (PMEL)—Models/Sensors
- National Geodetic Data Center (NGDC)—Digital Elevation Maps/archives

## Information and Mitigation

- International Tsunami Information Center (ITIC)
- Caribbean Tsunami Warning Program (CTWP)
- National Tsunami Hazard Mitigation Program (NTHMP)

# FY 14 Program Budget

- **House Committee on Appropriations recommended \$27M for the NWS Tsunami Program to:**
  - *“expand education and awareness programs of the NTHMP”*
  - *“sustainment of the DART buoy network”*
  - *DART buoys are expensive to maintain!*
- **We can hope for budget appropriation approval by Congress for FY14, but anticipate a Continuing Resolution again**

# NTHMP Grants

- \$2M in FY13 Grants through a compressed grant cycle –13 pre-applications submitted; 10 approved for funding; 9 submitted.
- NOAA AGO (Grants Office) indicates all on track for award notices to go out by the end of August.
- FY14 grant cycle will occur and will follow the usual schedule as outlined in NTHMP ROP.
- \$ amount not known under constraints of a CR, but will be at sustainment level

# TsunamiReady™

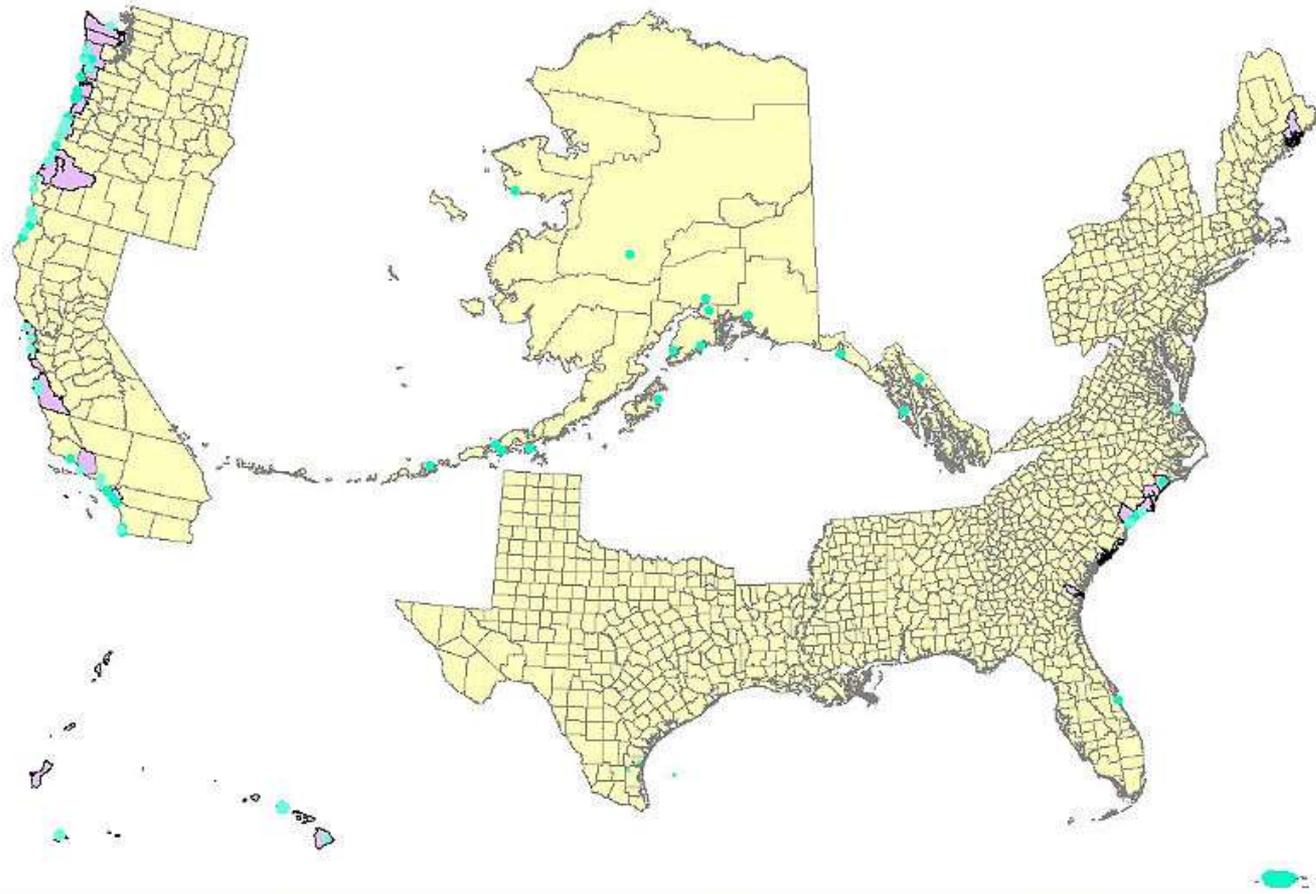
- 148 TR sites in 11 states and territories (as of 8/12/13)
- TsunamiReady is a NWS Program governed by an internal document – Directive 10-704.
- Renewal of TR-designated communities coming up
- More communities pending TR designation



# TsunamiReady™



As of August 12, 2013, there were **148** TsunamiReady™ Sites in **11** states,  
Puerto Rico and Guam and the Northern Mariana Islands, and American Samoa  
One International Site  
8 TsunamiReady Supporters



# Dialogue

