



National Oceanic and Atmospheric Administration FY 2015 Budget Submission

March 14, 2014



Agenda

- NOAA Overview and Priorities
- NOAA Budget Summary and Strategy for FY 2015
- Details of FY 2015 Budget Request



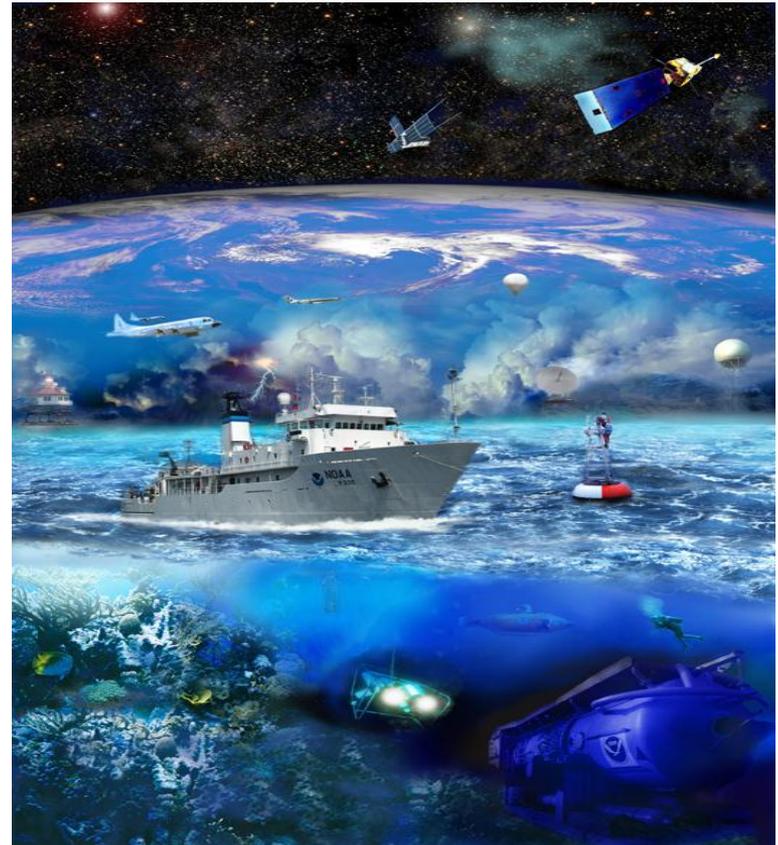
NOAA: Making Science Matter

Environmental Intelligence

Observations → Monitoring → Assessment → Modeling → Tools & Services

NOAA priorities

1. Provide information and services to make communities more resilient
2. Evolve the Weather Service
3. Invest in observational infrastructure
4. Achieve organizational excellence





Speeding Data to Decisions

Support transportation & commerce



Facilitate sustainable agriculture, fisheries, & aquaculture

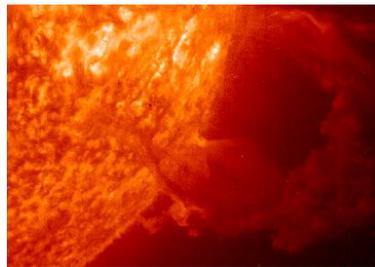


Protect life & property & create business opportunities

Assist communities & provide recreational opportunities



Safeguard communication & electric infrastructure



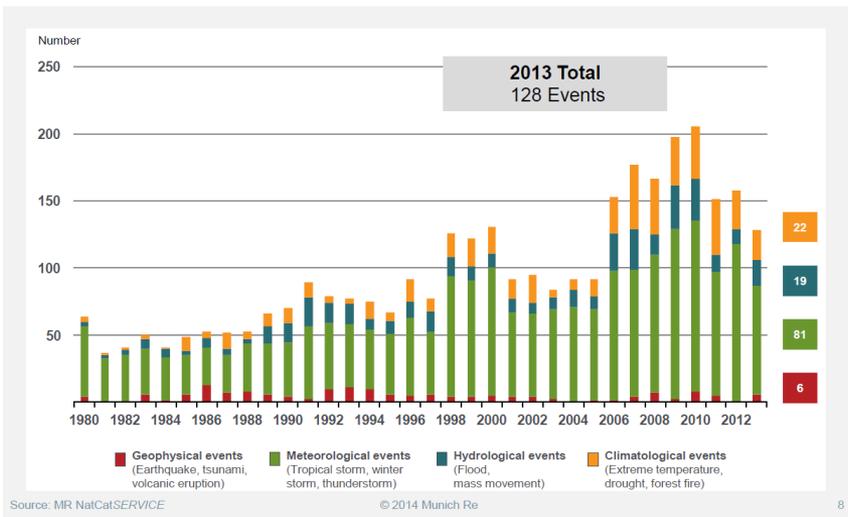
Inform renewable energy business decisions



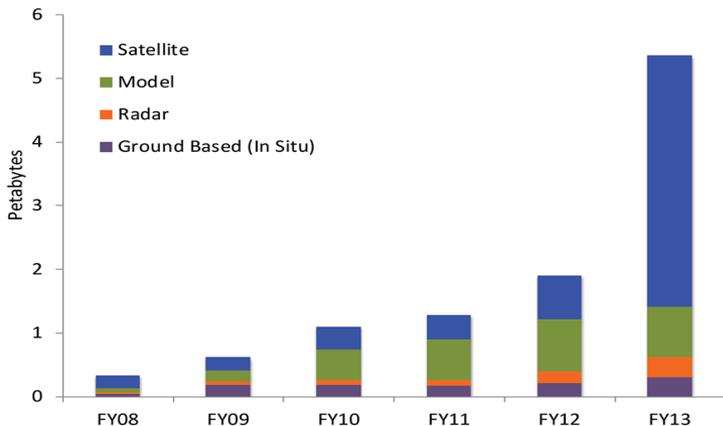
Demand for NOAA's Services is Increasing

US Natural Catastrophe Update

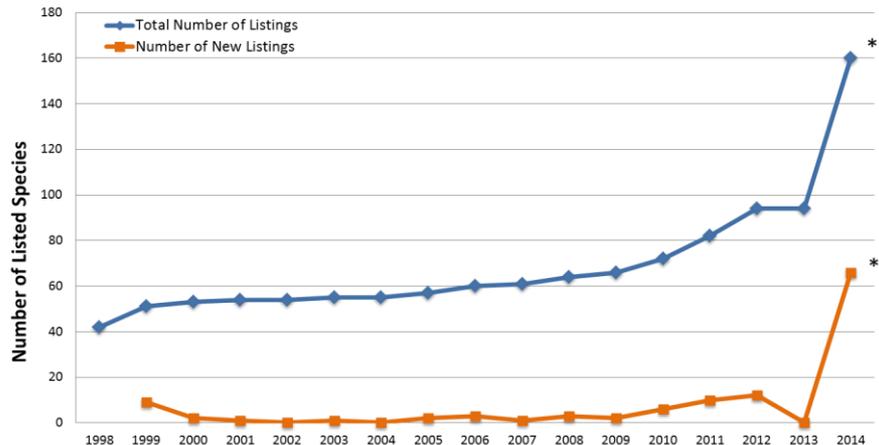
Loss Events in the U.S. 1980 – 2013
Number of events



Evolution of Marine Transportation Needs



NOAA ESA Listed Species



* Includes species currently proposed for listing for which final listing determinations are scheduled to be made in June 2014.

Demand by online users for NOAA's climate observation data



NOAA Discretionary Budget Summary



| (\$ IN MILLIONS) | FY 2013 Spend Plan * | FY 2014 Enacted | FY 2015 President's Budget |
|--|-------------------------|--------------------|-------------------------------|
| NOS | \$442.7 | \$475.6 | \$496.2 |
| NMFS | \$838.0 | \$952.9 | \$887.2 |
| OAR | \$369.4 | \$426.8 | \$462.2 |
| NWS | \$953.6 | \$1,067.2 | \$1,063.3 |
| NESDIS | \$1,864.8 | \$2,083.1 | \$2,247.9 |
| Program Support (with OMAO) | \$428.7 | \$452.8 | \$489.7 |
| Financing | (\$149.3) | (\$137.0) | (\$151.2) |
| Total Discretionary Appropriation | \$4,747.8 | \$5,322.5 | \$5,496.7 |

* Does not include supplemental funds



NOAA's FY 2015 Budget

- NOAA's proposed budget:
 - *Invests in Mission Critical Infrastructure*
 - *Provides Services to Enhance Community Resilience*
 - *Strengthens Scientific and Programmatic Innovation*
- Afford critical investments through planned and program scope decreases



Mission Critical Infrastructure



Modernizing the NOAA Fleet

- Multi-use survey vessel (OMAO): *Included in the Opportunity, Growth, and Security Initiative*
- Progressive Lifecycle Maintenance (OMAO): +\$2M

Advancing the Weather-Ready Nation Initiative

- GOES-R (NESDIS): +\$38.9M
- JPSS (NESDIS): +\$95.4M
- Ground Readiness Project (NWS): +\$6M
- NEXRAD Service Life Extension Program (SLEP) (NWS): +9.3M
- NWS Telecommunications Gateway Legacy Replacement (NWS): +\$5M
- Big Earth Data Initiative (NESDIS): +\$2M
- NRC/NLSC Relocations (NWS): +\$8.1M
- Jason-3 (NESDIS): +\$7.2M
- Solar Irradiance, Data and Rescue (SIDAR)* (NESDIS): +\$15M

* Formerly Polar Free Flyer



Mission Critical Infrastructure (cont.)

Strengthening Program Execution

- Corporate Services (PS): +\$12M
- High Performance Computing Software Engineering (OAR): +\$3M

Increasing Critical Observations

- Coastal LIDAR (NOS): +\$4M
- Atmospheric Baseline Observatories (OAR): +\$3M
- Greenhouse Gas Monitoring (OAR): +\$8M
- Days at Sea (OMAO): +\$2.9M
- Flight Hours (OMAO): +\$1M



Services to Enhance Community Resilience

Promoting Public Safety and Marine Ecosystem Health

- Capacity to Respond to Extreme Events (NOS): +\$5M
- Ecological Forecasting (NOS): +\$4M
- NCCOS Competitive Grants (NOS): +\$6M

Enabling Sustainable Economic Activity

- Arctic (NOS & NMFS): +\$2.2M
- ESA Recovery/Corals (NMFS): +\$4M
- Atlantic Salmon (NMFS): +\$1M

Strengthening Coastal Communities and Ecosystems

- Regional Coastal Resilience Grants (NOS): +\$5M
- Species Recovery Grants (NMFS): +\$5M
- Regional Climate Data and Information (OAR): +\$15M
 - (e.g., Climate Tool Kit, NIDIS, RISA)



Scientific and Programmatic Innovation

Advancing Sustainable Fisheries Management

- Electronic Monitoring (NMFS): +\$4M
- National Catch Share Program (NMFS): +\$2M
- Next Generation Stock Assessments (NMFS): +\$2.5M

Evolving the National Weather Service

- NOAA Response to NAS/NAPA Recommendations (NWS): +\$3M
- Centralized Water Forecasting Demonstration (NWS): +\$4M

Leveraging Partnerships to Access Satellite Observations

- COSMIC 2/Global Navigation Satellite System Radio Occultation Ground System (GNSSRO) (NESDIS): +\$4.8M



Scientific and Programmatic Innovation (cont.)



Improving Weather Products and Services

- Enterprise Ground System (NESDIS): +\$2.9M
- Enhancing Readiness Levels (OAR): +\$3M

Monitoring Global Climate and Marine Stressors

- U.S. Global Change Research Program (OAR): +\$4.5M
- Ocean Acidification (OAR): +\$8.9M
- IOOS Marine Sensors (NOS): +\$1M



Opportunity, Growth, and Security Initiative

- Multi-use Ocean Survey Vessel
- R&D that improves our services related to:
 - Drought
 - Sea Level Rise
 - Climate Impacts on Living Marine Resources
 - Extreme Heat Events



Climate Resilience Fund

Climate Resilience Research

- Research grants to further the understanding of climate change impacts on various sectors (e.g., fisheries) and improve severe weather prediction models.

Climate Resilience Grants to Communities

- Competitive grants to state, local, and tribal governments and nonprofit organizations for projects that improve coastal resilience to severe weather events, climate hazards, and changing ocean conditions.



FY 2015 – Selected Reductions

- NOS: Regional Geospatial Modeling Grants: -\$4M
- NMFS: Prescott Marine Mammal Grants/Marine Mammal Programs: -\$2.5M
- NMFS: Salmon Management Activities: -\$3M
- NMFS: Pacific Coastal Salmon Recovery Fund: -\$15M
- OAR: National Sea Grant College Program: -\$1M
- OAR: Marine Aquaculture: -\$2.5M
- NWS: Tsunami Program Outreach Grants: -\$6M
- NWS: Information Technology Officers: -\$10M
- NWS: Hurricane Forecast Improvement Program: -\$8.2M
- NESDIS: DSCOVER: -\$2.6M
- Program Support: Bay-Watershed Education and Training : -\$7.2M



Questions?

