



FY 2009 NOAA BUDGET HIGHLIGHTS



National Weather Service

The National Weather Service NWS requests \$930.7M in FY 2009, reflecting a net increase of \$27.2M over the FY 2008 President's Budget, and a net increase of \$19.3M over the FY 2008 enacted level. This budget request supports NOAA's efforts to employ cutting-edge technology to produce and deliver trusted, life-saving forecasts & warnings, provide services in a cost effective manner, and improve the economic value of weather, water, and climate information.

FY 2009 Program Change Highlights

Program Restorations \$10.1M: Restores FY08 Omnibus Appropriations Bill reductions from FY08 PB. These restorations will allow the NWS to operate and maintain its field structure and systems support with no degradation to operational services. Restores Local Warnings and Forecasts Base (\$5.8M); Systems O&M Base (\$2.1M); Local Warnings & Forecast Programs (\$0.9M); Systems Acquisition and Construction (\$1.3M)

Hurricane & Climate Support Operations +\$5.3M: This increase will provide \$3.0M for operations and maintenance of NOAA's 15 new hurricane detection buoys; \$1.1M for tech refresh for NOAA's Tropical Ocean Atmosphere (TAO) (55 buoy) Array and \$1.2M for operations and maintenance support for emergency power and communication systems for coastal Automated Surface Observation System sites, National Weather Radio sites, and Weather Forecast Office sites.

NOAA Weather Radio +\$2.9M: An increase is requested to upgrade the NOAA Weather Radio system, replacing obsolete, unsupported broadcasting equipment and incorporating satellite communications.

Advanced Weather Interactive Processing System (AWIPS) +\$6.6M: This increase will begin transformation of NWS service delivery to DHS, FAA, emergency managers, the American public and industry through a technology refresh. This will provide an updated infrastructure, improved information generation and data delivery capabilities, and provide for GIS collaborative capabilities.

NOAA Profiler Network +\$4.8M: Funding will continue the upgrade of the current Wind Profiler network to comply with new radio spectrum allocations, allowing NWS to continue to provide critical upper air observations and ensure forecasts & warnings accuracy.

Hurricane Forecast Modeling (HWRM) O&M +\$4.3M: Funding will increase the research and development necessary to accelerate the improvement in the NOAA Hurricane Forecast System (NHFS); transition and test new capabilities in operations; operate and maintain the



expanded NHFS; provides operations & maintenance support for storm surge prediction models, and includes restoration to base activities.

Data Buoy Ocean Sensor O&M +\$1.4M: Provides O&M funding needed to maintain benefits of initial \$12.0M investment which added oceanographic sensors to 98 existing weather buoys and coastal stations.

Automated Surface Observing System (ASOS) +\$0.7M: This increase will allow ASOS to be fully information technology (IT) security compliant ensuring the ability to maintain critical surface observations used for aviation operations, local forecasting and climate monitoring, and restore base funding.

Aviation Weather Systems +\$0.7M: This requested funding will provide 30 additional aircraft based water vapor sensors which will allow for improved aviation weather forecasts, including icing and turbulence. Water vapor sensors are installed on commercial aircraft, providing critical real-time water vapor data profiles during aircraft take-offs and landings. Also includes funds to restore base activities.

Fire Weather Modeling Support +\$0.6M: This increase is requested to provide high resolution, real-time predictions in the field using an atmospheric prediction model coupled with fire spread and behavior models. This request will also support high resolution fire weather forecasts for tactical and strategic firefighting efforts.

NWS FY 2009 Budget Request (\$ in Millions)				
	FY 2007 Enacted	FY 2008 Enacted	FY 2009 Request	FY09 Request vs FY08 Enacted
ORF	\$775.0	\$805.3	\$818.8	\$13.5
PAC	\$109.4	\$106.1	\$111.9	\$5.8
TOTAL	\$884.4	\$911.4	\$930.7	\$19.3

For more information, contact the NOAA Budget Office: (202) 482-4600 – or – AskNOAABudget@noaa.gov

