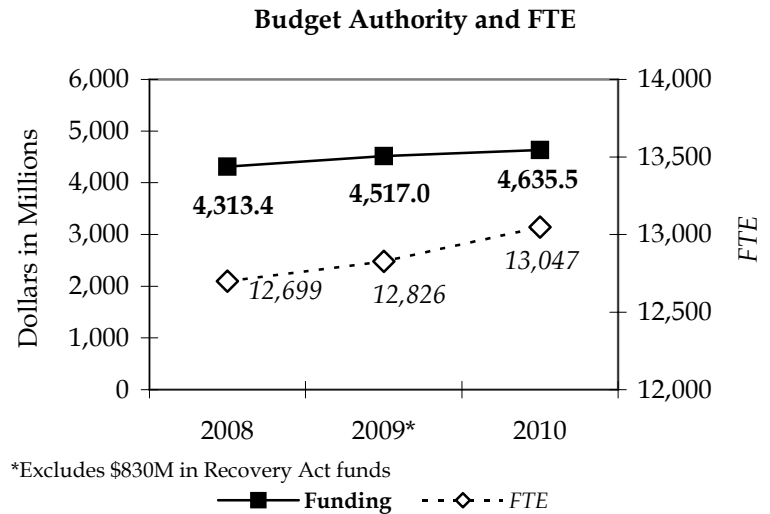


# National Oceanic and Atmospheric Administration

The National Oceanic and Atmospheric Administration (NOAA) budget is divided into two primary accounts, Operations, Research and Facilities (ORF) and Procurement, Acquisition and Construction (PAC). These two accounts make up over 99 percent of the total FY 2010 NOAA appropriation. Other accounts include Pacific Coastal Salmon Recovery, Coastal Impact Assistance Fund, Fishermen's Contingency Fund, Foreign Fishing Observer Fund, Fisheries Finance Program Account, Promote and Develop American Fishery Products and Research Pertaining to American Fisheries Fund, Damage Assessment and Restoration Revolving Fund, Coastal Zone Management Fund, Federal Ship Financing Fund, Limited Access System Administration Fund, Environmental Mammal Unusual Mortality Event Fund, and Medicare-Eligible Retiree Healthcare Fund.



The President's FY 2010 Budget requests a total of \$4.484 billion in discretionary appropriations for NOAA, a net increase of \$109.9 million over the over the FY 2009 levels (excluding amounts provided in the American Recovery and Reinvestment Act), and \$422.4 million over the FY2010 base.

## Operations, Research and Facilities (ORF) and Procurement, Acquisition and Construction (PAC)

The President's budget requests \$287.5 million (over the FY 2010 base) in program changes for ORF and \$214.9 million in program changes for PAC (calculation of the FY 2010 base is depicted in the Highlights of Budget Changes tables). These two accounts fund the following NOAA elements that provide nearly all of NOAA's services:

**National Ocean Service (NOS):** NOS programs provide scientific, technical, and management expertise to promote safe navigation; protect and restore coastal and marine resources damaged by natural or human-induced threats; and manage and preserve coastal and ocean environments. Mapping and charting activities build on marine and coastal observations collected to increase efficiency and safety of maritime commerce for the public and other Federal agencies.

Understanding and managing the coastal environment is enhanced through the coastal and ocean observations, and the coastal zone management program. In accordance with the Marine Debris Research, Prevention and Reduction Act, NOS also implements the Marine Debris Program. NOS also manages the Papahānaumokuākea Marine National Monument, marine sanctuaries, and, through partnerships with coastal states, the nationally significant estuarine research reserves. The President's FY 2010 Budget requests a net increase of \$22.3 million for NOS.

**National Marine Fisheries Service (NMFS):** NMFS is responsible for the management and conservation of living marine resources within the 200-mile U.S. Exclusive Economic Zone (EEZ). NMFS is dedicated to the stewardship of living marine resources through science-based conservation and management. NMFS conserves, protects, and manages living marine resources in a way that ensures their continuation as functioning components of marine ecosystems, affords economic opportunities, and enhances the quality of life for the American public. NMFS also provides critical support and scientific and policy leadership in the international arena, and plays a key role in the management of living marine resources in coastal areas under state jurisdiction. The President's FY 2010 Budget requests a net increase of \$190.6 million for NMFS.

**Oceanic and Atmospheric Research (OAR):** OAR provides the research and technology development necessary to improve NOAA climate, weather, coastal and ocean services. Through its network of over fifty Federal laboratories and university-based research programs, OAR supplies the scientific information to advise national policy decisions in such areas as climate change, air quality, coastal resource management, and stratospheric ozone depletion. OAR promotes

economic growth through the development of environmental observation technologies; extreme weather preparedness; the sustainable usage of coastal, marine, and Great Lakes resources; and marine biotechnology. The President's FY 2010 Budget requests a net increase of \$22.0 million for OAR.

**National Weather Service (NWS):** NWS provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters, and ocean areas, for the protection of life and property and the enhancement of the national economy. NWS derives its data and products from a national information database and infrastructure that is available for use by other government agencies, the private sector, the public, and the global community. The President's FY 2010 Budget requests a net increase of \$21.9 million for NWS.

**National Environmental Satellite, Data and Information Service (NESDIS):** NESDIS operates the polar-orbiting and geostationary operational environmental satellites, develops the converged polar-orbiting satellite series with the Department of Defense and NASA, and manages NOAA's environmental data collections for use in studying long-term environmental change. The polar and geostationary satellites provide meteorological data to the NWS for use in developing warnings and forecasts. Environmental data and information are collected from NOAA and other sources, disseminated, and archived for future use. The President's FY 2010 Budget requests a net increase of \$284.1 million for NESDIS.

**Program Support (PS):** Program Support includes Corporate Services, the NOAA Education Program, Facilities, and the Office of Marine and Aviation Operations (OMAO). Through Corporate Services, NOAA provides overall NOAA management, planning and administrative support for NOAA, including acquisition and grants, budget, accounting, and human resources. The Education Program focuses on NOAA's strategic cross-cutting priorities of promoting environmental literacy and developing, valuing, and sustaining a world-class workforce. The Facilities program provides for repair, restoration and other construction efforts, along with NOAA-wide environmental compliance and safety issues. OMAO operates and maintains NOAA's ships and aircraft and uses them to collect data to support NOAA's mission. OMAO also provides technical and management support through the NOAA Commissioned Corps, assists with outsourcing for ship and aircraft support, plans and implements the modernization of the NOAA fleet, and provides centralized guidance for NOAA's small-boat safety program. OMAO also operates the NOAA diving program, the Teacher at Sea program, and the Teacher in the Air pilot program. The President's FY 2010 Budget requests a net decrease of \$38.7 million for PS.

## **Other NOAA Accounts**

**Pacific Coastal Salmon Recovery Fund** was established in FY 2000 to fund State, Tribal and local conservation initiatives to help recover threatened and endangered Pacific salmon populations in the states of California, Washington, Oregon, Idaho, and Alaska. NOAA proposes to terminate this fund in FY 2010.

NOAA uses the **Fishermen's Contingency Fund** to compensate domestic fishermen for the damage or loss of fishing gear and resulting economic loss due to obstructions related to oil and gas exploration, development or production in the Outer Continental Shelf. The funds come from fees collected annually by the Secretary of the Interior from the holders of leases, explorations, permits, easements, and rights of way.

The **Foreign Fishing Observer Fund** provides observer coverage of foreign fishing activities within the 200-mile EEZ. Fees collected from foreign governments with fishing vessels within the exclusive fishery jurisdiction of the U.S. finance the fund and are used to pay salaries, administrative costs, data entry, and other expenses associated with the placement of observers aboard foreign fishing vessels.

The **Fisheries Finance Program Account** provides direct loans that promote building sustainable fisheries. The program provides Individual Fishing Quota (IFQ) financing at the request of a Fishery Management Council. The program also makes long term fixed rate financing available to U.S. citizens who otherwise do not qualify for financing and refinancing of the construction, reconstruction, reconditioning, and in some cases, the purchasing of fishing vessels, shoreside processing, aquaculture, and mariculture facilities. These loans provide stability to at least one aspect of an otherwise volatile industry.

The **Promote and Develop American Fishery Products & Research Pertaining to American Fisheries Fund** receives 30 percent of the import duties the Department of Agriculture collects on fishery-related products. NOAA will use a portion of these funds to offset marine fishery resource programs in the ORF appropriation in FY 2010. NOAA uses the remaining funds to promote industry development through competitively-awarded external grants for innovative

research and development of projects in the fishing industry and for internal research that complements the external program.

The **Damage Assessment and Restoration Revolving Fund (DARRF)** receives proceeds from claims against responsible parties, as determined through court settlements or agreements, for damages to natural resources for which NOAA serves as trustee. In FY 1999 and prior years, NOAA transferred funds to the ORF account for purposes of damage assessment and restoration. Beginning in FY 2000, funds were expended in the DARRF and treated as mandatory budget authority. NOAA utilizes funds transferred to this account to respond to hazardous materials spills in the coastal and marine environments, by conducting damage assessments, providing scientific support during litigation, and using recovered damages to restore injured resources.

The **Coastal Zone Management Fund (CZM)** was established under the Omnibus Budget Reconciliation Act of 1990 (P.L. 101-158, Sec. 6201-6216) to receive repayments from the coastal energy impact program. These payments are used for CZM programs and administration as authorized by section 308 of the Coastal Zone Management Act (CZMA), and will offset CZM administration costs in the ORF account.

The **Federal Ship Financing Fund** manages the loan guarantee portfolio that existed prior to the enactment of the Federal Credit Reform Act of 1990.

The **Limited Access System Administration Fund** was established by Title III of Public Law 104-297. Fee collections equaling no more than three percent of the proceeds from the sale or transfer of limited access system permits are deposited into the Fund. These deposits to the Fund are used to administer an exclusive central registry system for the limited access system permits.

The **Environmental Improvement and Restoration Fund** was created by the Department of the Interior and Related Agencies Act, 1998, for the purpose of carrying out marine research activities in the North Pacific. These funds will provide grants to Federal, State, private or foreign organizations or individuals to conduct research activities on or relating to the fisheries or marine ecosystems in the North Pacific Ocean, Bering Sea, and Arctic Ocean.

**Marine Mammal Unusual Mortality Event Fund** provides funds to support investigations and responses to unusual marine mammal mortality events.

**Medicare-Eligible Retiree Healthcare Fund** finances the cost of Tricare retirement health care benefits accrued by the active duty members of the NOAA Commissioned Corps.

## Summary of FTE

	2008 <u>Actual</u>	2009 <u>Estimate</u>	2010 <u>Estimate</u>	Increase <u>(Decrease)</u>
Operations, Research & Facilities (ORF)	11,693	11,909	12,130	221
ORF Reimbursable	719	706	706	0
Procurement, Acquisition & Construction (PAC)	235	190	190	0
Limited Access System Administration Fund	34	0	0	0
Damage Assessment & Restoration Revolving Fund	13	16	16	0
Promote & Develop American Fishery Products	3	4	4	0
Coastal Impact Assistance Fund	2	0	0	0
Fishermen's Contingency Fund	0	1	1	0
<b>TOTAL</b>	<b>12,699</b>	<b>12,826</b>	<b>13,047</b>	<b>221</b>

The FTE levels for FY 2010 have been adjusted and the totals shown above are different from the level reflected in the President's Budget

## Summary of Appropriations

(Dollars in Thousands)

<u>Appropriation</u>	2008 <u>Actual</u>	2009 <u>Estimate</u>	2010 <u>Estimate</u>	Increase <u>(Decrease)</u>
Operations, Research & Facilities (ORF)	\$2,942,277	\$3,045,549	\$3,087,537	\$41,988
ORF Recovery Act	\$0	230,000	\$0	(\$230,000)
Procurement, Acquisition & Construction (PAC)	985,207	1,243,647	1,391,279	\$147,632
PAC Recovery Act	0	600,000	0	(\$600,000)
Coastal Zone Management Fund	3,000	3,000	3,000	\$0
Fisheries Finance Program Account	0	0	0	0
Pacific Coastal Salmon Recovery	67,000	80,000	0	(80,000)
Medicare-Eligible Retiree Healthcare Fund	1,802	1,674	1,934	260
<b>TOTAL APPROPRIATION</b>	<b>3,999,286</b>	<b>5,203,870</b>	<b>4,483,750</b>	<b>(720,120)</b>
<b>Transfers:</b>				
<u>Operations, Research &amp; Facilities</u>				
FROM: Promote & Develop Fishery Products	77,000	79,000	104,600	25,600
Coastal Zone Management Fund	3,000	3,000	3,000	0
Pacific Coastal Salmon Recovery	67	0	0	0
Procurement, Acquisition and Construction	979	0	0	0
Fisheries Finance Program Account	0	495	0	0
Department of Agriculture	170,000	0	0	0
TO: Fisheries Finance Program Account	(235)	0	0	0
Subtotal, ORF	250,811	82,495	107,600	25,600
<u>Coastal Zone Management Fund</u>				
TO: ORF	(3,000)	(3,000)	(3,000)	0
<u>Pacific Coastal Salmon Recovery</u>				
TO: Fisheries Finance Program Account	(67)	0	0	0
<u>Procurement, Acquisition &amp; Construction (PAC)</u>				
TO: ORF	(979)	0	0	0
<u>Fisheries Finance Program Account (FFPA)</u>				
FROM: ORF	235	0	0	0
TO: ORF	0	(495)	0	495
<u>Promote &amp; Develop American Fishery Products (P&amp;D)</u>				
TO: ORF	(77,000)	(79,000)	(104,600)	(25,600)
FROM: Department of Agriculture (mandatory funds)	84,594	108,510	114,000	5,490
Subtotal, P&D	7,594	29,510	9,400	(20,110)
<b>TOTAL TRANSFERS</b>	<b>254,594</b>	<b>108,510</b>	<b>114,000</b>	<b>5,490</b>
<b>Unobligated balances, rescission</b>				
Operations, Research & Facilities (ORF)	(5,108)	0	0	0
Procurement, Acquisition & Construction (PAC)	(6,264)	0	0	0
<b>TOTAL UNOBLIGATED BALANCES, RESCISSION</b>	<b>(11,372)</b>	<b>0</b>	<b>0</b>	<b>0</b>

	2008	2009	2010	Increase
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>(Decrease)</u>
<b>Mandatory Accounts</b>				
Damage Assessment & Restoration Revolving Fund	\$1,194	\$2,000	\$2,000	\$0
Fisheries Finance Program Account	27,389	1,996	0	(1,996)
Environmental Improvement and Restoration Fund	9,322	1,198	3,719	2,521
CZMF mandatory offsetting collections	(525)	(1,500)	(1,500)	0
Federal Ship Financing Fund	(156)	(773)	0	773
NOAA Corps Retirement Pay	23,119	24,272	26,112	1,840
Western Pacific Sustainable Fisheries	234	0	0	0
Limited Access System Administration Fund	10,268	7,444	7,444	0
<b>TOTAL BUDGET AUTHORITY</b>	<b>4,313,353</b>	<b>5,347,017</b>	<b>4,635,525</b>	<b>(711,492)</b>
Mandatory Funds	155,439	143,147	151,775	8,628
<b>Discretionary Budget Authority</b>				
Operations, Research & Facilities (ORF)	3,187,980	3,358,044	3,195,137	(162,907)
P&D Transfer	(77,000)	(79,000)	(104,600)	(25,600)
Procurement, Acquisition & Construction (PAC)	977,964	1,843,647	1,391,279	(452,368)
Medicare-Eligible Retiree Healthcare Fund	1,802	1,674	1,934	260
Fisheries Finance Program Account	235	(495)	0	495
Pacific Coastal Salmon Recovery	66,933	80,000	0	(80,000)
<b>TOTAL DISCRETIONARY</b>	<b>4,157,914</b>	<b>5,203,870</b>	<b>4,483,750</b>	<b>(720,120)</b>
<b>BUDGET AUTHORITY</b>				
<b>OFFSETTING RECEIPTS:</b>				
Fisheries Finance Negative Subsidy Receipt Account	(1,680)	(4,000)	(4,000)	0
Adjustment to reflect reestimates	0	(816)	(1,969)	(1,153)
Total, Negative Subsidy	(1,680)	(4,816)	(5,969)	(1,153)

## Highlights of Budget Changes

### Appropriation: Operations, Research and Facilities

#### Summary of Requirements

	<u>Detailed</u>		<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
<b>2009 Appropriation</b>			11,909	\$3,045,549
<b>Recovery Act Appropriation</b>				230,000
<b>Total Appropriation</b>			11,909	3,275,549
<b><u>Transfers</u></b>				
From Promote and Develop American Fisheries		\$79,000		
From Coastal Zone Management Fund		3,000		
From Fisheries Finance Program Account		495		
Subtotal, Transfers				82,495
<b>Adjustments to Base:</b>				
Non-recurring cost				(230,000)
<b><u>Adjustments</u></b>				
Restoration of FY 2009 deobligations		6,000		
Less Terminations (terminated projects identified in NOAA technical budget)		(268,495)		
Transfer to NWS ORF from NWS PAC for NCWCP		1,000		
Subtotal, Adjustments			0	(261,495)
<b><u>Other Cost Changes</u></b>				
Annualization of Jan. 2009 Pay Raise		11,535		
2010 Pay raise		18,332		
Payment to Working Capital Fund		294		
OMAO Wage Marine Overtime on NOAA Ships		89		
Full year costs of positions financed for part-year in FY 2009	22	2,016		
Civil Service Retirement System(CSRS)		(1,894)		
Federal Employees' Retirement System(FERS)		3,183		
Thrift Savings Plan		541		
Federal Insurance Contributions Act (FICA) - OASDI		1,611		
Health insurance		1,139		
Employees Compensation Fund		(219)		
Travel:				
Per diem		2,584		
Mileage		647		
Rent payments to GSA		1,828		
Printing and reproduction		68		
NARA Storage & maintenance costs		(9)		
Other services:				
Working Capital Fund		2,944		
Postage		57		
Commerce Business System		177		

	<u>Detailed</u>		<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
General Pricing Level Adjustment:				
Transportation of things		\$134		
Rental payments to others		163		
Communications, utilities and miscellaneous charges		689		
Other services		7,362		
Supplies & Materials		649		
Equipment		397		
Grants		587		
Fuel Cost - OMAO		(824)		
Subtotal, other cost changes			22	\$54,080
Less Amount Absorbed			0	(2,000)
<b>TOTAL, ADJUSTMENTS TO BASE</b>			<b>22</b>	<b>52,080</b>
<b>2010 Base</b>			11,931	2,918,629
Program Changes			199	287,508
<b>TOTAL REQUIREMENTS</b>			<b>12,130</b>	<b>3,206,137</b>
Recoveries from prior year obligations in FY 2009				(11,000)
Transfers:				
From Promote and Develop American Fishery Products and Research				(104,600)
From Coastal Zone Management Fund				(3,000)
<b>2010 APPROPRIATION</b>			<b>12,130</b>	<b>3,087,537</b>

**Comparison by Activity**

	2009 Currently Avail.		2010 Base		2010 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
<b>DIRECT OBLIGATIONS</b>								
National Ocean Service	1,223	\$538,587	1,223	\$440,323	1,229	\$462,671	6	\$22,348
National Marine Fisheries Service	2,651	1,074,821	2,662	699,993	2,818	890,642	156	190,649
Oceanic & Atmospheric Research	735	398,887	735	372,184	744	394,205	9	22,021
National Weather Service	4,608	858,927	4,608	844,644	4,613	867,222	5	22,578
National Environmental Satellite, Data & Information Service	678	188,201	678	163,857	678	171,737	0	7,880
Program Support	2,014	471,270	2,025	397,628	2,048	419,660	23	22,032
<b>DIRECT OBLIGATIONS</b>	<b>11,909</b>	<b>3,530,693</b>	<b>11,931</b>	<b>2,918,629</b>	<b>12,130</b>	<b>3,206,137</b>	<b>199</b>	<b>287,508</b>
NOAA Corp Retirement (mandatory)	0	24,272	0	26,112	0	26,112	0	0
<b>TOTAL DIRECT OBLIGATIONS</b>	<b>11,909</b>	<b>3,554,965</b>	<b>11,931</b>	<b>2,944,741</b>	<b>12,130</b>	<b>3,232,249</b>	<b>199</b>	<b>287,508</b>
<b>REIMBURSABLE OBLIGATIONS</b>		<b>1</b>						
From Offsetting Collections	706	364,767	706	242,000	706	242,000	0	0
<b>TOTAL OBLIGATIONS</b>	<b>12,615</b>	<b>3,919,733</b>	<b>12,637</b>	<b>3,186,741</b>	<b>12,836</b>	<b>3,474,249</b>	<b>199</b>	<b>287,508</b>
<b>FINANCING</b>								
Unobligated balance, start of year	0	(289,416)	0	0	0	0	0	0
Offsetting Collections	(706)	(242,000)	(706)	(242,000)	(706)	(242,000)	0	0
Deobligations	0	(6,000)	0	(11,000)	0	(11,000)	0	0
Subtotal, Financing	(706)	(537,416)	(706)	(253,000)	(706)	(253,000)	0	0
<b>TOTAL BUDGET AUTHORITY</b>	<b>11,909</b>	<b>3,382,317</b>	<b>11,931</b>	<b>2,933,741</b>	<b>12,130</b>	<b>3,221,249</b>	<b>199</b>	<b>287,508</b>
Transfers / Mandatory	0	(106,767)	0	(133,712)	0	(133,712)	0	0
<b>APPROPRIATION, ORF</b>	<b>11,909</b>	<b>3,275,550</b>	<b>11,931</b>	<b>2,800,029</b>	<b>12,130</b>	<b>3,087,537</b>	<b>199</b>	<b>287,508</b>

**Highlights of Major Program Changes**

Program Changes are summarized by line office at the sub-activity level below.

**National Ocean Service (NOS)**

	Base		Increase / Decrease	
	FTE	Amount	FTE	Amount
Navigation Services	550	\$149,949	0	+\$5,173

NOAA requests the following increases for this sub-activity:

- 0 FTE and \$1,173 to conduct hydrographic surveys of critical areas of the U.S. Exclusive Economic Zone (EEZ).
- 0 FTE and \$4,000 to produce a new national vertical datum by 2018.

<b><u>Ocean Resources Conservation &amp; Assessment</u></b>	425	\$147,530	+3	+\$12,135
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NOAA requests the following increases for this sub-activity:

- 1 FTE and \$6,000 for two Ocean Research Priorities Plan initiatives:
  - 1 FTE and \$3,000 to develop and improve sensors for detecting ocean biological and physical parameters at multiple spatial (from individual cells to the global ocean) and temporal (from seconds to decades) scales; and



- 0 FTE and \$3,000 to support end-to-end development and integration of observations, research, and forecast models to improve our understanding of the response of coastal ecosystems to extreme weather events, natural disasters and changing natural and human influences.
- 0 FTE and \$1,000 for the Gulf of Mexico Regional Collaboration.
- 0 FTE and \$874 for Coastal Storms to support existing program requirements.
- 0 FTE and \$1,400 to enhance NOAA's ability to respond to oil spills and releases of hazardous materials.
- 2 FTE and \$2,700 for National Centers for Coastal Ocean Science to develop and implement operational forecasts of harmful algal blooms (HABs).
- 0 FTE and \$161 for National Centers for Coastal Ocean Science to support existing program requirements.

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
<u>Ocean and Coastal Management</u>	248	\$142,844	+3	+\$5,040

NOAA requests the following increases for this sub-activity:

- 0 FTE and \$1,140 to provide national leadership in implementation of the Coastal Zone Management Act (CZMA).
- 3 FTE and \$1,900 to meet statutory, regulatory, and mission requirements relating to historical, new, and alternative ocean and coastal energy development responsibilities.
- 0 FTE and \$2,000 to establish a Coastal Communities Task Force or CCTF of representatives of key public, private, non-governmental, and university communities to revise the future of the nation's coasts and NOAA's role.

#### National Marine Fisheries Service (NMFS)

<u>Protected Species Research and Management</u>	672	\$161,359	+65	+\$81,171
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NOAA requests the following increases for this sub-activity:

- 20 FTE and \$5,550 to meet the growing demand for consultations under Section 7 of the Endangered Species Act (ESA).
- 7 FTE and \$60,000 for an expanded program of Species Recovery Grants for the conservation and recovery of ESA-listed marine and anadromous species.
- 2 FTE and \$1,500 to enhance its capacity to implement the Marine Mammal Take Reduction Program.
- 4 FTE and \$1,500 to recover Hawaiian monk seals.
- 0 FTE and \$1,000 for recovery of the endangered Cook Inlet beluga whale.
- 4 FTE and \$1,300 for conservation and recovery of ice seals.
- 0 FTE and \$2,996 for conservation and recovery of Atlantic salmon.
- 28 FTE and \$7,325 to support the Pacific Salmon ESA Recovery and Research Program.

<u>Fisheries Research and Management</u>	1,496	\$336,289	+46	+\$85,178
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NOAA requests the following increases for this sub-activity:

- 12 FTE and \$12,000 to implement Annual Catch Limits (ACLs) and Accountability Measures (AMs) to end and prevent overfishing as required under the Magnuson-Stevens Reauthorization Act (MSRA).
- 8 FTE and \$3,000 to implement the international requirements of the MSRA.
- 0 FTE and \$5,000 for the Comparative Analysis of Marine Ecosystem Organization (CAMEO) to promote an ecosystem approach to the stewardship of living marine resources.
- 0 FTE and \$1,600 to fund commercial vessel charter days in lieu of the NOAA Vessel John N. Cobb, which was decommissioned on August 13, 2008.
- 0 FTE and \$2,500 to conduct post- hurricane assessments of coastal and marine resources.
- 10 FTE and \$3,000 to manage three new Marine National Monuments (MNM) in the Pacific Ocean.

- 0 FTE and \$5,003 for the Pacific Islands Regional Office (PIRO) and Pacific Islands Fisheries Science Center (PIFSC) in Hawaii to conduct educational outreach and to respond to the informational needs of the Western Pacific Fishery Management Council.
- 0 FTE and \$1,902 for regulatory streamlining and modernization.
- 2 FTE and \$5,104 for research and management activities related to pelagic fisheries, West Coast groundfish, and Atlantic bluefin tuna.
- 6 FTE and \$9,900 to update fish stock assessments to support implementation of annual catch limits (ACLs).
- 5 FTE and \$3,271 for economics and social sciences research to address significant data gaps in major federal fisheries.
- 0 FTE and \$16,876 to support new requirements under the Pacific Salmon Treaty.
- 0 FTE and \$4,000 to provide the eight Regional Fishery Management Councils with the additional resources necessary to set, evaluate, and revise annual catch limits (ACLs) and accountability measures (AMs).
- 0 FTE and \$4,771 to improve monitoring of recreational and commercial fisheries.
- 0 FTE and \$6,251 for fishery-independent surveys and monitoring projects.
- 3 FTE and \$1,000 for Integrated Ecosystem Assessments (IEAs).

	Base		Increase / Decrease	
	FTE	Amount	FTE	Amount
<u>Enforcement and Observers</u>	255	\$90,532	+41	+\$12,600

NOAA requests the following increases for this sub-activity:

- 22 FTE and \$7,600 to satisfy the enforcement requirements of the MSRA.
- 19 FTE and \$5,000 to expand observer coverage in key fisheries to improve collection of bycatch data.

<u>Habitat Conservation and Restoration</u>	234	\$44,031	+1	+\$1,000
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NOAA requests an increase of 1 FTE and \$1,000 for the Deep Sea Coral Research and Technology Program.

<u>Other Activities Supporting Fisheries</u>	5	\$67,782	+3	+\$10,700
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NOAA requests the following increases for this sub-activity:

- 2 FTE and \$1,200 to increase the number of charter days to cover the expanded area of commercially fished stocks in the Bering Sea.
- 0 FTE and \$1,500 to implement an integrated Ocean Acidification (OA) initiative.
- 1 FTE and \$2,000 to increase aquaculture research.
- 0 FTE and \$6,000 to expand cooperative research programs as required in the MSRA.

**Oceanic and Atmospheric Research (OAR)**

<u>Climate Research</u>	354	\$194,262	+5	+\$15,578
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NOAA requests the following increases for this sub-activity:

- 0 FTE and \$2,451 for the development of a National Climate Model Portal.
- 0 FTE and \$1,300 to expand the U.S. Climate Reference Network (USCRN) in Alaska.
- 1 FTE and \$4,550 to implement National Integrated Drought Information System (NIDIS) early warning system projects.
- 4 FTE and \$2,600 for Decadal Climate Predictions and Abrupt Climate Change Research.
- 0 FTE and \$4,000 to implement long-term monitoring of ocean acidification.
- 0 FTE and \$681 for the Competitive Research Program to support existing research requirements.

NOAA requests a decrease of 0 FTE and \$4 in the support for Climate Research Laboratories and Cooperative Institutes.

	FTE	Base Amount	Increase / Decrease FTE	Increase / Decrease Amount
<u>Weather and Air Quality Research</u>	205	\$58,330	+4	+\$5,592

NOAA requests the following increases for this sub-activity:

- 1 FTE and \$2,000 for the Weather Research and Forecast (WRF) Model Developmental Testbed Center (DTC).
- 1 FTE and \$2,592 for Severe Weather Forecasts Improvements.
- 2 FTE and \$1,000 for research on the Multi-function Phased Array Radar (MPAR).

<u>Ocean, Coastal &amp; Great Lakes Research</u>	363	\$106,511	0	+\$851
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NOAA requests the following increases for this sub-activity:

- 0 FTE and \$501 to expand and advance key Great Lakes forecasting research programs.
- 0 FTE and \$350 for Ocean Exploration and Research to support existing research requirements.

**National Weather Service (NWS)**

<u>Operations and Research</u>	4,420	\$746,104	+5	+\$18,810
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NOAA requests the following increases for this sub-activity:

- 0 FTE and \$2,700 to transition NASA, DoD and NSF prediction models into space weather operations.
- 4 FTE and \$6,110 to improve aviation weather services and support the multi-agency Next Generation Air Transportation System (NextGen) program.
- 1 FTE and \$10,000 to accelerate improvement in hurricane track and intensity forecasts accuracy,.

<u>Systems Operations &amp; Maintenance</u>	188	\$98,540	0	+\$3,768
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NOAA requests the following increases for this sub-activity:

- 0 FTE and \$1,029 to operate and maintain systems developed to generate weather products from FAA Terminal Doppler Weather Radars.
- 0 FTE and \$1,500 to modernize and refresh information technology (IT) components that are becoming obsolete and unsupported in the Automated Surface Observing System (ASOS).
- 0 FTE and \$1,239 to increase system capacity, backup capabilities and maintenance for the Advanced Weather Interactive Processing System (AWIPS).

**National Environmental, Satellite, Data, and Information Service (NESDIS)**

<u>Environmental Satellite Observing Systems</u>	409	\$109,610	0	+\$880
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NOAA requests an increase of 0 FTE and \$880 for the National Ice Center (NIC) Sea Ice Data Buy.

<u>Data Centers &amp; Information Services</u>	269	\$54,247	0	+\$7,000
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NOAA requests an increase of 0 FTE and \$7,000 for the development and processing of Climate Data Records.

**Program Support**

	<u>FTE</u>	<u>Base Amount</u>	<u>Increase / Decrease</u>	
			<u>FTE</u>	<u>Amount</u>
<u>Corporate Services</u>	1,006	\$197,436	+3	+\$7,057

NOAA requests the following increases for this sub-activity:

- 0 FTE and \$949 to support the leadership and management operations of the Under Secretary and Associate Offices.
- 3 FTEs and \$1,763 to comply with Homeland Security Presidential Directive-12 (HSPD-12), Personal Identity Verification-II (PIV-II).
- 0 FTE and \$835 to maintain current levels of service provided via the Department of Commerce Working Capital Fund.
- 0 FTE and \$3,510 to improve corporate-wide support service levels.

<u>NOAA Education Program</u>	10	\$16,653	0	+\$4,000
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NOAA requests an increase of 0 FTE and \$4,000 to expand the national competitive educational grant program.

<u>Facilities Maintenance</u>	0	\$21,570	+4	+\$8,776
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NOAA requests the following increases for this sub-activity:

- 0 FTE and \$7,776 to address critical building system deficiencies and repairs.
- 4 FTE and \$1,000 to comply with legal requirements associated with real property leases.

<u>Marine Services</u>	902	\$115,426	+16	+\$2,199
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NOAA requests an increase of 16 FTE and \$2,199 to support the congressionally authorized increase of the NOAA Corps from 299 to 321 officers.

**Detailed Comparison by Activity**

	2009 Currently Avail.		2010 Base		2010 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
<b>NATIONAL OCEAN SERVICE</b>								
Navigation Services:								
Mapping & Charting	312	\$136,750	272	\$94,713	272	\$95,886	0	\$1,173
Geodesy	183	38,767	154	25,958	154	29,958	0	4,000
Tide & Current Data	108	31,365	124	29,278	124	29,278	0	0
<b>Total, Navigation Services</b>	<b>603</b>	<b>206,882</b>	<b>550</b>	<b>149,949</b>	<b>550</b>	<b>155,122</b>	<b>0</b>	<b>5,173</b>
Ocean Research Conservation and Assessment:								
Ocean Assessment Program (OAP)	69	95,117	112	75,480	113	83,354	1	7,874
Response and Restoration	111	27,835	118	22,922	118	24,322	0	1,400
National Centers for Coastal Ocean Science	241	53,271	195	49,128	197	51,989	2	2,861
<b>Total, Ocean Res. Conservation &amp; Assessment</b>	<b>421</b>	<b>176,223</b>	<b>425</b>	<b>147,530</b>	<b>428</b>	<b>159,665</b>	<b>3</b>	<b>12,135</b>
Ocean and Coastal Management:								
Coastal Management	56	102,371	66	97,895	69	102,935	3	5,040
Ocean Management (Marine Sanctuary Program)	143	53,111	182	44,949	182	44,949	0	0
<b>Total, Ocean &amp; Coastal Management</b>	<b>199</b>	<b>155,482</b>	<b>248</b>	<b>142,844</b>	<b>251</b>	<b>147,884</b>	<b>3</b>	<b>5,040</b>
<b>TOTAL, NOS</b>	<b>1,223</b>	<b>538,587</b>	<b>1,223</b>	<b>440,323</b>	<b>1,229</b>	<b>462,671</b>	<b>6</b>	<b>22,348</b>
<b>NATIONAL MARINE FISHERIES SERVICE</b>								
Protected Species Research & Management	670	177,220	672	161,359	737	242,530	65	81,171
Fisheries Research and Management	1,485	438,367	1,496	336,289	1,542	421,467	46	85,178
Enforcement & Observers/Training	255	91,109	255	90,532	296	103,132	41	12,600
Habitat Conservation & Restoration	234	221,884	234	44,031	235	45,031	1	1,000
Other Activities Supporting Fisheries	7	146,241	5	67,782	8	78,482	3	10,700
AK Composite Research and Develop.	0	0	0	0	0	0	0	0
<b>TOTAL, NMFS</b>	<b>2,651</b>	<b>1,074,821</b>	<b>2,662</b>	<b>699,993</b>	<b>2,818</b>	<b>890,642</b>	<b>156</b>	<b>190,649</b>
<b>OCEANIC &amp; ATMOSPHERIC RESEARCH</b>								
Climate Research:								
Laboratories & Cooperative Institutes	249	53,821	249	52,652	249	52,648	0	(4)
Climate Data & Information	3	8,299	3	8,329	3	12,080	0	3,751
Competitive Research Program	102	132,032	102	132,368	107	144,199	5	11,831
Climate Operations	0	900	0	913	0	913	0	0
Climate Observations & Services	0	0	0	0	0	0	0	0
Other Partnership Programs	0	2,004	0	0	0	0	0	0
<b>Total, Climate Research</b>	<b>354</b>	<b>197,056</b>	<b>354</b>	<b>194,262</b>	<b>359</b>	<b>209,840</b>	<b>5</b>	<b>15,578</b>
Weather and Air Quality Research:								
Laboratories & Cooperative Institutes	186	50,050	186	49,858	188	54,450	2	4,592
Weather Research Program	0	0	0	0	0	0	0	0
Weather & Air Quality Research Programs	19	8,477	19	8,472	21	9,472	2	1,000
Other Partnership Programs	0	5,603	0	0	0	0	0	0
<b>Total, Weather and Air Quality Res.</b>	<b>205</b>	<b>64,130</b>	<b>205</b>	<b>58,330</b>	<b>209</b>	<b>63,922</b>	<b>4</b>	<b>5,592</b>

	2009 Currently Avail.		2010 Base		2010 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Ocean, Coastal and Great Lakes Research:								
Laboratories & Cooperative Institutes	119	\$24,318	119	\$21,339	119	\$21,840	0	\$501
National Sea Grant College Program	23	55,022	23	55,085	23	55,085	0	0
National Undersea Research Program	0	8,850	0	0	0	0	0	0
Ocean Exploration	17	19,280	17	27,466	17	27,816	0	350
Other Ecosystems Programs	4	2,618	4	2,621	4	2,621	0	0
Other Partnership Programs	0	13,465	0	0	0	0	0	0
<b>Total, Ocean, Coastal and Great Lakes Research</b>	<b>163</b>	<b>123,553</b>	<b>163</b>	<b>106,511</b>	<b>163</b>	<b>107,362</b>	<b>0</b>	<b>851</b>
Info Technology and R&D	13	14,148	13	13,081	13	13,081	0	0
<b>TOTAL, OAR</b>	<b>735</b>	<b>398,887</b>	<b>735</b>	<b>372,184</b>	<b>744</b>	<b>394,205</b>	<b>9</b>	<b>22,021</b>
<b>NATIONAL WEATHER SERVICE</b>								
Operations & Research:								
Local Warnings & Forecasts	4,114	682,330	4,114	676,579	4,118	685,389	4	8,810
Central Forecast Guidance	306	78,242	306	69,525	307	79,525	1	10,000
<b>Total, Operations &amp; Research</b>	<b>4,420</b>	<b>760,572</b>	<b>4,420</b>	<b>746,104</b>	<b>4,425</b>	<b>764,914</b>	<b>5</b>	<b>18,810</b>
Systems Operation and Maintenance	188	98,355	188	98,540	188	102,308	0	3,768
<b>TOTAL, NWS</b>	<b>4,608</b>	<b>858,927</b>	<b>4,608</b>	<b>844,644</b>	<b>4,613</b>	<b>867,222</b>	<b>5</b>	<b>22,578</b>
<b>NATIONAL ENVIRONMENTAL SATELLITE DATA &amp; INFORMATION SERVICE</b>								
Environmental Satellite Observing Systems:								
Satellite command and control	179	46,433	174	47,372	174	47,372	0	0
Product processing and distribution	123	31,503	123	31,818	123	32,698	0	880
Product develop, readiness & appl.	101	27,879	102	27,970	102	27,970	0	0
Office of Space Commercialization	4	658	5	649	5	649	0	0
Ocean Surface Vector Winds Studies	0	0	0	0	0	0	0	0
Commercial Remote Sensing Lic. & Enf.	2	1,330	5	1,301	5	1,301	0	0
Group on Earth Observations (GEO)	0	500	0	500	0	500	0	0
<b>Total, Environmental Satellite Observing Systems</b>	<b>409</b>	<b>108,303</b>	<b>409</b>	<b>109,610</b>	<b>409</b>	<b>110,490</b>	<b>0</b>	<b>880</b>
NOAA Data Centers & Information Services:								
Archive, access & assessment	256	56,778	230	40,139	230	47,139	0	7,000
Coastal data development	0	4,584	16	4,597	16	4,597	0	0
Regional Climate Centers	0	3,903	0	0	0	0	0	0
Coop Institute for Remote Sensing Applic.,	0	803	0	0	0	0	0	0
International Pacific Research Ctr (U of H)	0	1,754	0	0	0	0	0	0
Environmental data sys. modern.	13	9,555	23	9,511	23	9,511	0	0
Integrated Env. Appl. & Info. Ctr.	0	2,521	0	0	0	0	0	0
<b>Tot., NOAA Data Centers &amp; Info. Serv.</b>	<b>269</b>	<b>79,898</b>	<b>269</b>	<b>54,247</b>	<b>269</b>	<b>61,247</b>	<b>0</b>	<b>7,000</b>
<b>TOTAL, NESDIS</b>	<b>678</b>	<b>188,201</b>	<b>678</b>	<b>163,857</b>	<b>678</b>	<b>171,737</b>	<b>0</b>	<b>7,880</b>

	2009 Currently Avail.		2010 Base		2010 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
<b>PROGRAM SUPPORT</b>								
Corporate Services:								
Under Secretary & Assoc. Office	219	\$27,676	219	\$28,489	219	\$29,438	0	\$949
NOAA-wide Corporate Services	785	178,193	787	168,947	790	175,055	3	6,108
<b>Sub-total, Corporate Services</b>	<b>1,004</b>	<b>205,869</b>	<b>1,006</b>	<b>197,436</b>	<b>1,009</b>	<b>204,493</b>	<b>3</b>	<b>7,057</b>
<b>NOAA Education Program</b>	<b>10</b>	<b>46,220</b>	<b>10</b>	<b>16,653</b>	<b>10</b>	<b>20,653</b>	<b>0</b>	<b>4,000</b>
Facilities Mgmt, Construct & Maint.	0	21,000	0	21,570	4	30,346	4	8,776
<b>Total, Corporate/Education/Facilities</b>	<b>1,014</b>	<b>273,089</b>	<b>1,016</b>	<b>235,659</b>	<b>1,023</b>	<b>255,492</b>	<b>7</b>	<b>19,833</b>
Office of Marine and Aviation Operations (OMAO)								
Marine Operations								
Marine Services	893	118,603	902	115,426	918	117,625	16	2,199
Fleet planning & maintenance	3	48,000	3	17,034	3	17,034	0	0
<b>Sub-total, Marine Ops &amp; Maint.</b>	<b>896</b>	<b>166,603</b>	<b>905</b>	<b>132,460</b>	<b>921</b>	<b>134,659</b>	<b>16</b>	<b>2,199</b>
Aviation Operations	104	31,578	104	29,509	104	29,509	0	0
NOAA Corps pension & health benefits	0	0	0	0	0	0	0	0
<b>Total, OMAO</b>	<b>1,000</b>	<b>198,181</b>	<b>1,009</b>	<b>161,969</b>	<b>1,025</b>	<b>164,168</b>	<b>16</b>	<b>2,199</b>
<b>TOTAL, PROGRAM SUPPORT</b>	<b>2,014</b>	<b>471,270</b>	<b>2,025</b>	<b>397,628</b>	<b>2,048</b>	<b>419,660</b>	<b>23</b>	<b>22,032</b>
<b>DIRECT OBLIGATIONS</b>	<b>11,909</b>	<b>3,530,693</b>	<b>11,931</b>	<b>2,918,629</b>	<b>12,130</b>	<b>3,206,137</b>	<b>199</b>	<b>287,508</b>
NOAA Corps retirement pay (mand.)	0	24,272	0	26,112	0	26,112	0	0
<b>TOTAL DIRECT OBLIGATIONS</b>	<b>11,909</b>	<b>3,554,965</b>	<b>11,931</b>	<b>2,944,741</b>	<b>12,130</b>	<b>3,232,249</b>	<b>199</b>	<b>287,508</b>
<b>REIMBURSABLE OBLIGATIONS</b>	<b>706</b>	<b>364,767</b>	<b>706</b>	<b>242,000</b>	<b>706</b>	<b>242,000</b>	<b>0</b>	<b>0</b>
From Offsetting collections	706	364,767	706	242,000	706	242,000	0	0
<b>TOTAL OBLIGATIONS, ORF</b>	<b>12,615</b>	<b>3,919,732</b>	<b>12,637</b>	<b>3,186,741</b>	<b>12,836</b>	<b>3,474,249</b>	<b>199</b>	<b>287,508</b>
<b>FINANCING</b>	<b>0</b>	<b>(289,416)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Unobligated balance, start of year	0	(289,416)	0	0	0	0	0	0
Offsetting Collections	(706)	(242,000)	(706)	(242,000)	(706)	(242,000)	0	0
De-obligations (direct)	0	(6,000)	0	(11,000)	0	(11,000)	0	0
Subtotal, Financing	(706)	(537,416)	(706)	(253,000)	(706)	(253,000)	0	0
<b>TOTAL BUDGET AUTHORITY, ORF</b>	<b>11,909</b>	<b>3,382,316</b>	<b>11,931</b>	<b>2,933,741</b>	<b>12,130</b>	<b>3,221,249</b>	<b>199</b>	<b>287,508</b>
<b>FINANCING FROM:</b>	<b>0</b>	<b>(24,272)</b>	<b>0</b>	<b>(26,112)</b>	<b>0</b>	<b>(26,112)</b>	<b>0</b>	<b>0</b>
NOAA Corps retirement pay (mandatory)	0	(24,272)	0	(26,112)	0	(26,112)	0	0
From Promote and Develop	0	(79,000)	0	(104,600)	0	(104,600)	0	0
American Fisheries								
Unobligated Balance, Rescission								
From PAC	0	0	0	0	0	0	0	0
From FPPA	0	(495)	0	0	0	0	0	0
From Coastal Zone Management	0	(3,000)	0	(3,000)	0	(3,000)	0	0
Subtotal, Transfers / Mandatory	0	(106,767)	0	(133,712)	0	(133,712)	0	0
<b>APPROPRIATION, ORF</b>	<b>11,909</b>	<b>3,275,549</b>	<b>11,931</b>	<b>2,800,029</b>	<b>12,130</b>	<b>3,087,537</b>	<b>199</b>	<b>287,508</b>