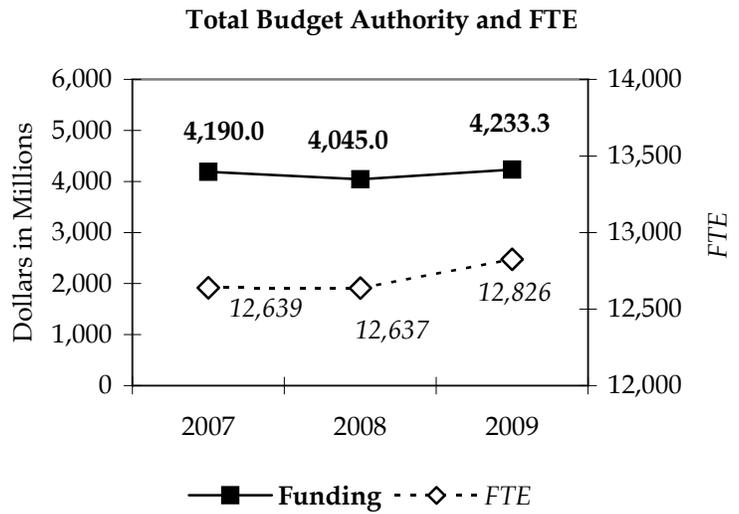


National Oceanic and Atmospheric Administration

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 approximately 99 percent of the total FY 2009 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 Improvement and Restoration Fund, Marine Mammal Unusual Mortality Event Fund, and Medicare-Eligible Retiree Healthcare Fund.



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

The President's FY 2009 Budget requests a net increase of \$163.8 million (over the FY 2009 base) for ORF and a net increase of \$311.9 million for PAC. 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 2009 Budget requests a net increase of \$49.5 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 2009 Budget requests a net increase of \$66.3 million for NMFS.

Oceanic and Atmospheric Research (OAR): OAR provides the research and technology development necessary to improve NOAA climate, weather, and marine 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 2009 Budget requests a net increase of \$10.0 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 2009 Budget requests a net increase of \$37.2 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 2009 Budget requests a net increase of \$226.1 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 2009 Budget requests a net increase of \$86.5 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 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 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 2009. 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

	2007 <u>Actual</u>	2008 <u>Estimate</u>	2009 <u>Estimate</u>	Increase <u>(Decrease)</u>
Operations, Research & Facilities (ORF)	11,653	11,720	11,909	189
ORF Reimbursable	706	706	706	0
Procurement, Acquisition & Construction (PAC)	224	190	190	0
Limited Access System Administration Fund	40	0	0	0
Damage Assessment & Restoration Revolving Fund	12	16	16	0
Promote & Develop American Fishery Products	4	4	4	0
Fishermen's Contingency Fund	0	1	1	0
TOTAL	12,639	12,637	12,826	189

Summary of Appropriations

(Dollars in Thousands)

Appropriation	2007 <u>Actual</u>	2008 <u>Estimate</u>	2009 <u>Estimate</u>	Increase <u>(Decrease)</u>
Operations, Research & Facilities (ORF)	\$2,907,675	\$2,856,277	\$2,831,253	(\$25,024)
Procurement, Acquisition & Construction (PAC)	1,110,118	979,207	1,238,660	259,453
Coastal Zone Management Fund	3,000	3,000	3,000	0
Fisheries Finance Program Account	283	0	0	0
Pacific Coastal Salmon Recovery	66,638	67,000	35,000	(32,000)
Medicare-Eligible Retiree Healthcare Fund	1,820	1,802	1,934	132
TOTAL APPROPRIATION	4,089,534	3,907,286	4,109,847	202,561
Transfers:				
<u>Operations, Research & Facilities</u>				
FROM: Promote & Develop Fishery Products	79,000	77,000	79,000	2,000
Coastal Zone Management Fund	3,000	3,000	3,000	0
Pacific Coastal Salmon Recovery	67	67	0	(67)
Procurement, Acquisition and Construction	1,086	979	0	(979)
TO: Fisheries Finance Program Account	0	(235)	0	235
Subtotal, ORF	83,153	80,811	82,000	1,189
<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)	(67)	0	67
<u>Procurement, Acquisition & Construction (PAC)</u>				
TO: ORF	(1,086)	(979)	0	979
<u>Fisheries Finance Program Account (FFPA)</u>				
FROM: ORF	0	235	0	(235)
<u>Promote & Develop American Fishery Products (P&D)</u>				
TO: ORF	(79,000)	(77,000)	(79,000)	(2,000)
FROM: Department of Agriculture (mandatory funds)	82,817	84,594	84,594	0
Subtotal, P&D	3,817	7,594	5,594	(2,000)
TOTAL TRANSFERS	82,817	84,594	84,594	0
Unobligated balances, rescission				
Operations, Research & Facilities (ORF)	0	(5,108)	0	5,108
Procurement, Acquisition & Construction (PAC)	(24,000)	(6,264)	0	6,264
Fisheries Finance Program Account (FFPA)	(1,000)	0	0	0
TOTAL UNOBLIGATED BALANCES, RESCISSION	(25,000)	(11,372)	0	11,372

	2007 <u>Actual</u>	2008 <u>Estimate</u>	2009 <u>Estimate</u>	Increase <u>(Decrease)</u>
Mandatory Accounts				
Damage Assessment & Restoration Revolving Fund	\$3,788	\$1,000	\$1,000	\$0
Fisheries Finance Program Account	4,656	27,389	0	(27,389)
Environmental Improvement and Restoration Fund	8,650	8,060	8,656	596
CZMF mandatory offsetting collections	(1,659)	(1,500)	(1,500)	0
Federal Ship Financing Fund	(200)	(1,000)	(1,000)	0
NOAA Corps Retirement Pay	20,541	23,119	24,272	1,153
Limited Access System Administration Fund	6,911	7,444	7,444	0
TOTAL BUDGET AUTHORITY	4,190,038	4,045,020	4,233,313	188,293
Mandatory Funds	125,504	149,106	123,466	(25,640)
Discretionary Budget Authority				
Operations, Research & Facilities (ORF)	2,990,828	2,931,980	2,913,253	(18,727)
P&D Transfer	(79,000)	(77,000)	(79,000)	(2,000)
Procurement, Acquisition & Construction (PAC)	1,085,032	971,964	1,238,660	266,696
Medicare-Eligible Retiree Healthcare Fund	1,820	1,802	1,934	132
Fisheries Finance Program Account	(717)	235	0	(235)
Pacific Coastal Salmon Recovery	66,571	66,933	35,000	(31,933)
TOTAL DISCRETIONARY	4,064,534	3,895,914	4,109,847	213,933
BUDGET AUTHORITY				

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>
2008 Appropriation			11,720	\$2,856,277
FY 2008 Unobligated Balance Rescission			0	(5,108)
<u>Transfers</u>				
From Promote and Develop American Fisheries		\$77,000		
From Coastal Zone Management Fund		3,000		
Subtotal, Transfers		<hr/>		80,000
Adjustments to Base:				
<u>Adjustments</u>				
Restoration of FY 2008 deobligations		5,000		
Restoration of FY 2008 unobligated balance rescission		5,108		
Less Terminations		(221,101)		
Transfer of NERRS from NOS PAC to NOS ORF		288		
Transfer of NWS PAC Cooperative Observer Network Modernization to NWS ORF for MADIS		500		
Transfer of NWS ORF Local Warnings and Forecast to NWS PAC for Weather Radio Improvement		(3,000)		
Transfer of NESDIS POES PAC to ORF Satellite Command and Control (GEONETCast)		500		
FTE Re-estimate	77	0		
Subtotal, Adjustments		<hr/>	77	(212,705)
<u>Other Cost Changes</u>				
Annualization of Jan. 2008 Pay Raise		8,996		
2009 Pay raise		25,731		
Payment to Working Capital Fund		425		
OMAO Wage Marine Overtime on NOAA Ships		126		
Full year costs of positions financed for part-year in FY 2008	26	1,942		
Change in Compensable Days		(4,526)		
Civil Service Retirement System(CSRS)		(1,708)		
Federal Employees' Retirement System(FERS)		2,726		
Thrift Savings Plan		488		
Federal Insurance Contributions Act (FICA) - OASDI		1,591		
Health insurance		1,139		
Employees Compensation Fund		551		
Travel:				
Per diem		1,980		
Mileage		185		

	<u>Detailed</u>		<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Rent payments to GSA		\$1,509		
Printing and reproduction		86		
NARA Storage & maintenance costs		38		
Other services:				
Working Capital Fund		802		
Postage		66		
Commerce Business System		174		
General Pricing Level Adjustment:				
Transportation of things		281		
Rental payments to others		251		
Communications, utilities and miscellaneous charges		1,021		
Other services		10,141		
Supplies & Materials		1,779		
Equipment		806		
Grants		702		
OAR Rent Increase		85		
NERO Regional Office		541		
Subtotal, other cost changes			26	\$57,928
Absorption of ATBs			0	(15,895)
TOTAL, ADJUSTMENTS TO BASE			103	(170,672)
2009 Base			11,823	2,760,497
Program Changes			86	163,756
TOTAL REQUIREMENTS			11,909	2,924,253
Recoveries from prior year obligations in FY 2009				(11,000)
Transfers:				
From Promote and Develop American Fishery Products and Research				(79,000)
From Coastal Zone Management Fund				(3,000)
2009 APPROPRIATION			11,909	2,831,253

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS								
National Ocean Service	1,210	\$493,831	1,220	\$406,905	1,223	\$449,252	3	\$42,347
National Marine Fisheries Service	2,586	715,176	2,606	657,893	2,651	724,211	45	66,318
Oceanic & Atmospheric Research	714	390,428	735	362,476	735	372,270	0	9,794
National Weather Service	4,625	808,300	4,608	797,250	4,608	818,833	0	21,583
National Environmental Satellite, Data & Information Service	678	179,907	678	156,897	678	165,292	0	8,395
Program Support	1,907	397,974	1,976	379,076	2,014	394,395	38	15,319
DIRECT OBLIGATIONS	11,720	2,985,616	11,823	2,760,497	11,909	2,924,253	86	163,756
NOAA Corp Retirement (mandatory)	0	23,119	0	24,272	0	24,272	0	0
TOTAL DIRECT OBLIGATIONS	11,720	3,008,735	11,823	2,784,769	11,909	2,948,525	86	163,756
REIMBURSABLE OBLIGATIONS								
From Offsetting Collections	706	359,913	706	242,000	706	242,000	0	0
TOTAL OBLIGATIONS	12,426	3,368,648	12,529	3,026,769	12,615	3,190,525	86	163,756
FINANCING								
Unobligated balance, start of year	0	(161,549)	0	0	0	0	0	0
Offsetting collections	(706)	(247,000)	(706)	(242,000)	(706)	(242,000)	0	0
Deobligations	0	(5,000)	0	(11,000)	0	(11,000)	0	0
Subtotal, Financing	(706)	(413,549)	(706)	(253,000)	(706)	(253,000)	0	0
TOTAL BUDGET AUTHORITY	11,720	2,955,099	11,823	2,773,769	11,909	2,937,525	86	163,756
Transfers / Mandatory/Rescission	0	(98,822)	0	(106,272)	0	(106,272)	0	0
APPROPRIATION, ORF	11,720	2,856,277	11,823	2,667,497	11,909	2,831,253	86	163,756

Highlights of Major Program Changes**National Ocean Service (NOS)**

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Navigation Services	602	\$137,424	+1	+\$11,602

NOAA requests increases to: manage the increasing size and quantity of hydrographic datasets collected by NOAA, contract and third-party data providers (0 FTE; +\$1,000 - Mapping and Charting Base); operationalize an Autonomous Underwater Vehicle (AUV) (0 FTE; +\$700 - Mapping and Charting Base); improve and expand the delivery of real time and forecasted navigation information through the PORTS® and Operational Forecast Model Program (+1 FTE; +\$2,000 - Tide and Current Base); and increase the base levels of funding for various on-going programs in this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$7,902).

Ocean Resources Conservation & Assessment	419	\$135,488	+2	+\$21,605
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NOAA requests increases to develop decision support tools for coastal managers and emergency and public health officials and to develop sensors for rapid detection of pathogens, harmful algae and their toxins, as identified in the Ocean Research Priorities Plan (+1 FTE; +\$10,000 - Ocean Research Priorities Plan Implementation); to continue implementation of an Integrated Ocean Observing System (IOOS) data management and communications capability (0 FTE; +\$4,000 - NOAA IOOS); to expand the network of regional observation systems (0 FTE; +\$3,000); to implement the Marine Debris Research, Prevention, and Reduction Act through competitive grants and development of the first federal information clearinghouse on marine debris (+1 FTE; +\$4,000 - Marine Debris); and to increase the base levels of funding for various

on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$11,666). NOAA requests decreases for National Estuarine Reserve System research (formerly Coastal and Estuarine Environmental Technology) to redirect funding to a merit based program of estuarine research (0 FTE; -\$6,496 - CICEET) and for the Pribilof Islands environmental cleanup and restoration activities, which is scheduled for completion by the end of FY 2008 (0 FTE; -\$4,565 - Pribilof Islands Cleanup).

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Ocean and Coastal Management	199	\$133,993	0	+\$9,140

NOAA requests increases to establish a competitive national coastal and estuarine research and technology program which operates in partnership with the NERRS (0 FTE; +\$5,232 - NERRS) and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$3,908).

National Marine Fisheries Service (NMFS)

Protected Species Research and Management	663	\$157,144	+7	+\$10,097
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NOAA requests increases for protected species stock assessments (0 FTE; +\$1,066 - Protected Species Research and Management Program); efforts to conserve and recover marine mammals including reducing the bycatch of marine mammals in fisheries, responding to strandings of marine mammals, and improving permit issuance efficiency (+7 FTE; +\$1,500 - Marine Mammals); improved science for Endangered Species Act Pacific Salmon recovery and alleviation of increased federal consultation workload (0 FTE; +\$3,169 - Pacific Salmon); protection and restoration of Atlantic salmon (0 FTE; +\$4,167 - Atlantic Salmon); and to increase the base level of funding for other protected species programs to that recommended in the FY 2008 President's Budget (0 FTE; +\$195 - Other Protected Species).

Fisheries Research and Management	1,451	\$295,937	+34	+\$48,869
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NOAA requests the following program changes to the base Fisheries Research and Management line item totaling \$21.5 million: to provide payments or stipends to the Fishery Management Councils' Scientific and Statistical Committees to reach the goal of ending overfishing by 2011 as required by the Magnuson-Stevens Fisheries Conservation and Management Reauthorization Act of 2006 (MSRA) (0 FTE; +\$5,050); to establish an advisory panel, joint management and technical committees, and scientific review required to implement the Pacific Whiting Treaty (+1 FTE; +\$250); to provide leadership for the U.S. delegation to the Western and Central Pacific Fisheries Commission (+3 FTE; +\$1,000); to support the development, implementation and operation of limited access privilege programs to help end overfishing (+8 FTE; +\$4,826); to support regulatory streamlining (+7 FTE; +\$2,829); to increase the level of research and monitoring of highly migratory species (0 FTE; +\$3,000); to conduct catch and release research (0 FTE; +\$1,000); to support the Comparative Analysis of Marine Ecosystem Organization (CAMEO) initiative by developing a framework for large-scale ecosystem modeling to improve forecasts of marine ecosystem responses to various management strategies (0 FTE; +\$3,750); and to fund higher priority needs, reduce the Fisheries Research and Management base (0 FTE; -\$200).

NOAA also requests increases to expand stock assessments to initiate new sampling programs and management procedures to end overfishing in all fisheries by 2011 (+10 FTE; +\$8,484 - Expand Annual Stock Assessments); to address significant economic and social data gaps in major federal fisheries and develop decision support tools for mandated cost-benefit analyses of regulatory options (+5 FTE; +\$4,729 - Economics and Social Sciences Research); to complete the final implementation phase of a new registry system for recreational fishermen and for-hire fishing vessels (0 FTE; +\$3,015 - Fisheries Statistics); to conserve and manage fish and crustacean stocks in federal waters (0 FTE; +\$8,224 - Survey and Monitoring Projects); to support the new bycatch mandates of the reauthorized Magnuson-Stevens Fishery Conservation and Management Act (0 FTE; +\$567 - Reducing Bycatch); and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$2,345).

Enforcement and Observers	251	\$85,906	+4	+\$3,179
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NOAA requests increases to provide for continued active participation within Regional Fishery Management Organizations and expand collaboration with other Federal agencies to control Illegal, Unregulated, and Unreported

(IUU) fishing on the high seas (+4 FTE; +\$1,084 - Enforcement). NOAA will use the remaining requested increase to support cooperative agreements with states in order to provide necessary support and expanded capacity for the states to carry out their enforcement activities to help end overfishing, provide enforcement services required within the National Marine Sanctuaries, and to protect marine mammals and other threatened species (0 FTE; +\$1,323 - Enforcement); and to increase the base level of funding for observers and training to that recommended in the FY 2008 President's Budget (0 FTE; +\$772 - Observers and Training).

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Habitat Conservation and Restoration	234	\$44,554	0	-\$1,149

NOAA requests increases to: support the new Deep Sea Coral Research and Technology Program mandated by Congress in the MSRA through ecological studies of deep sea coral communities, pilot projects to locate and map locations of deep sea corals, monitor fishing and other activities in locations where deep sea corals are known or are likely to occur, manage information on deep sea corals, and report biennially to Congress and the public on NOAA accomplishments (0 FTE; +\$1,500 - Sustainable Habitat Management); continue the Open Rivers Initiative (ORI) to support the President's Cooperative Conservation Initiative (Executive Order 13352) through technical assistance and competitive grant funding to enhance the repair of vital riverine ecosystems, benefit the communities, and enhance fishery populations of key NOAA trust species (0 FTE; +\$5,397 - Fisheries Habitat Restoration and Open Rivers); enhance NOAA's Great Lakes Habitat Restoration Program by emphasizing restoration of NOAA trust resources at the watershed scale within the Great Lakes areas of concern (0 FTE; +\$1,496 - Fisheries Habitat Restoration and Open Rivers); and increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$458). A decrease is requested to reflect the completion of the purchase of dams on the Penobscot River in FY 2008 (0 FTE; -10,000 - Fisheries Habitat Restoration and Open Rivers).

Other Activities Supporting Fisheries	7	\$74,352	0	+\$5,322
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NOAA requests increases to expand and implement a nationwide, regionally based cooperative research and management program which supports critical needs identified by the Fishery Management Councils such as data collection that will enhance stock assessments and measuring and reducing bycatch (0 FTE; +\$1,247 - Cooperative Research); to expand the Antarctic program which collects scientific information needed to detect, monitor, and predict the effects of harvesting and changing environmental conditions on targeted species (krill and fishes) and protected species (marine mammals and seabirds) as mandated by an international treaty (0 FTE; +\$497 - Antarctic Research); and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$3,578).

Oceanic and Atmospheric Research (OAR)

Climate Research	354	\$190,207	0	+\$5,270
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NOAA requests increases to support the National Integrated Drought Information System (NIDIS) (0 FTE; +\$2,000 - Competitive Research Program); Water Vapor Process Research (0 FTE; +\$880 - Competitive Research Program); Unmanned Aircraft System contributing to International Polar Year analyses (0 FTE; +\$308 - Competitive Research Program); Atlantic Meridional Overturning Current (AMOC) studies (0 FTE; +\$998 - Competitive Research Program); and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$1,084).

Weather and Air Quality Research	205	\$53,347	0	+\$4,214
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NOAA requests increases for Improvements to Operational Weather Forecasts (0 FTE; +\$1,000 - Laboratories and Cooperative Institutes); Unmanned Aerial System demonstration projects (0 FTE; +\$3,000 - Laboratories and Cooperative Institutes); and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$214).

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Information Technology R&D	13	\$12,718	0	+\$310

NOAA requests an increase for high performance computing initiatives to restore the base level of funding to that recommended in the FY 2008 President's Budget (0 FTE; +\$310 - High Performance Computing Initiatives).

National Weather Service (NWS)

Operations and Research	4,420	\$701,698	0	+\$18,780
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NOAA requests increases to operate and maintain eight new weather data buoys funded under the FY 2006 Hurricane Supplemental Appropriation (0 FTE; +\$3,000 - LWF Base); provide ongoing operations and maintenance support for FY 2006 Hurricane Supplemental improved hurricane services and infrastructure support (0 FTE; +\$1,230 - LWF Base); provide technological refresh for the Tropical Ocean Atmosphere (TAO) array (0 FTE; +\$1,100 - LWF Base); provide ongoing operation and maintenance for NDBC Ocean Sensor O&M (0 FTE; +\$1,350 - LWF Base); expand a multi-year effort to improve aviation weather services by supporting the procurement and fielding of 30 additional water vapor sensors (0 FTE; +\$600 - Aviation Weather); begin development of an advanced fire weather modeling capability to provide high resolution, real-time predictions in the field (0 FTE; +\$600 - Fire Weather); provide operational support and maintenance of the next-generation Hurricane Weather Research and Forecasting (HWRF) model (Environmental Modeling) and sustain the Administration's commitment to significantly accelerate the improvement in hurricane track and intensity forecasts (0 FTE; +\$4,040 - Central Forecast Guidance); and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$6,860).

Systems Operations & Maintenance	188	\$95,552	0	+\$2,803
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NOAA requests increases to fund sustaining engineering/technology refresh to avoid obsolescence and provide technology (IT) security for the Automated Surface Observing System (ASOS) that will ensure the ability to maintain critical surface observations used for aviation operations, local forecasting and climate monitoring (0 FTE; +\$500 - ASOS) and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$2,303).

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

Environmental Satellite Observing Systems	409	\$104,400	0	+\$7,233
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NOAA requests increases to provide contract support for software engineering, and technical and network support for the day-to-day operations, maintenance, and modification of the GOES and POES/MetOp spacecraft ground systems (0 FTE; +\$500 - Satellite Command and Control); procure a site license and Synthetic Aperture Radar (SAR) imagery scenes from ENVISAT (0 FTE; +\$500 - Product Processing and Distribution); identify alternatives to collecting ocean surface vector wind observations following NASA's QuikSCAT mission (0 FTE; +\$3,000 - Ocean Surface Vector Winds); and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$3,233).

Data Centers & Information Services	269	\$52,497	0	+\$1,162
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NOAA requests increases for various on-going programs in this subactivity to restore the base level of funding to that recommended in the FY 2008 President's Budget (0 FTE; +\$1,162).

Program Support

Corporate Services	995	\$183,896	+9	+\$9,145
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NOAA requests increases to provide dedicated policy and oversight personnel in acquisition and grants (+9 FTE; +\$1,200 - NOAA Wide Corporate Service and Agency Management); to pay NOAA's proportional share for services provided through the DOC Working Capital Fund (0 FTE; +\$1,803 - Payments to the DOC Working Capital Fund); and to increase

the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$6,833 - NOAA Wide Corporate Service and Agency Management, 0 FTE; +\$33 - Under Secretary and Associate Offices, 0 FTE; +\$1,074 - Office of the Chief Information Officer). A decrease is requested due to a reassessment of the level of funding for the End-to-End Resource Management System (0 FTE; -\$1,798 - NOAA Wide Corporate Service and Agency Management).

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
NOAA Education Program	10	\$16,192	0	+\$336

NOAA requests increases to provide competitive educational grants and continue implementation of the NOAA Educational Plan (0 FTE; +\$995 - Competitive Education Grants) and to increase the base levels of funding for the Educational Partnership Program/Minority Serving Institutions to that recommended in the FY 2008 President's Budget (0 FTE; +\$341 - Educational Partnership Program/Minority Serving Institutions). A decrease is requested for JASON Education and Outreach and the funds redirected to competitive education grants (0 FTE; -\$1,000 - JASON Education and Outreach).

Facilities Maintenance	0	\$25,453	0	-\$1,156
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NOAA requests a reduced level of funding for the Facilities Management, Construction and Maintenance program in order to fund higher priorities (0 FTE; -\$1,156 - Facilities Management, Construction and Maintenance).

Marine Services	864	\$111,334	+29	+\$2,117
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NOAA requests increases to improve safety aboard NOAA vessels and improve crew rotation (+29 FTE; +\$1,700 - Data Acquisition Base) and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$1,001 - Data Acquisition Base). A decrease is requested in the operational base to reflect the retirement of NOAA Ship JOHN N. COBB from the NOAA fleet (0 FTE; -\$584 - Data Acquisition Base). The 59 year-old JOHN N. COBB will be taken off-line in FY 2008.

Fleet Planning and Maintenance	3	\$16,773	0	+\$261
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NOAA requests an increase to increase the base levels of funding for various on-going programs within fleet planning and maintenance to that recommended in the FY 2008 President's Budget (0 FTE; +\$411 - Fleet Planning and Maintenance). A decrease is requested in the maintenance base to reflect the retirement of NOAA Ship JOHN N. COBB from the NOAA fleet (0 FTE; -\$150 - Fleet Planning and Maintenance). The 59 year-old JOHN N. COBB will be taken off-line in FY 2008.

Aviation Operations	104	\$25,428	0	+\$4,616
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NOAA requests an increase to support 1,295 additional flight hours as well as maintaining its current flight-hour capacity (0 FTE; +\$4,000 - Aircraft Services). The additional flight hours will support hurricane research, surveillance, and reconnaissance, as well as coverage for winter storms, snow-melt flood forecasting, coastal mapping, and geodic modeling. A net increase is also requested to increase the base level of funding for aircraft services to that recommended in the FY 2008 President's Budget (0 FTE; +\$616 - Aircraft Services).

Detailed Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
NATIONAL OCEAN SERVICE								
Navigation Services:								
Mapping & Charting	311	\$109,506	312	\$85,913	312	\$94,788	0	\$8,875
Geodesy	183	28,652	183	24,869	183	25,401	0	532
Tide & Current Data	107	27,967	107	26,642	108	28,837	1	2,195
Total, Navigation Services	601	166,125	602	137,424	603	149,026	1	11,602
Ocean Research Conservation and Assessment:								
Ocean Assessment Program (OAP)	65	106,228	68	74,046	69	86,080	1	12,034
Response and Restoration	110	25,257	110	17,746	111	22,454	1	4,708
National Centers for Coastal Ocean Science	241	51,418	241	43,696	241	48,559	0	4,863
Total, Ocean Res. Conservation & Assessment	416	182,903	419	135,488	421	157,093	2	21,605
Ocean and Coastal Management:								
Coastal Management	56	94,181	56	89,615	56	98,755	0	9,140
Ocean Management (Marine Sanctuary Program)	137	50,622	143	44,378	143	44,378	0	0
Total, Ocean & Coastal Management	193	144,803	199	133,993	199	143,133	0	9,140
TOTAL, NOS	1,210	493,831	1,220	406,905	1,223	449,252	3	42,347
NATIONAL MARINE FISHERIES SERVICE								
Protected Species Research & Management	657	165,358	663	157,144	670	167,241	7	10,097
Fisheries Research and Management	1,444	330,783	1,451	295,937	1,485	344,806	34	48,869
Enforcement & Observers/Training	251	85,344	251	85,906	255	89,085	4	3,179
Habitat Conservation & Restoration	234	50,724	234	44,554	234	43,405	0	(1,149)
Other Activities Supporting Fisheries	0	82,886	7	74,352	7	79,674	0	5,322
AK Composite Research and Develop.	0	81	0	0	0	0	0	0
TOTAL, NMFS	2,586	715,176	2,606	657,893	2,651	724,211	45	66,318
OCEANIC & ATMOSPHERIC RESEARCH								
Climate Research:								
Laboratories & Cooperative Institutes	249	53,792	249	51,576	249	51,576	0	0
Climate Data & Information	3	1	3	7,601	3	8,299	0	698
Competitive Research Program	102	131,077	102	130,516	102	134,702	0	4,186
Climate Operations	0	0	0	514	0	900	0	386
Climate Observations & Services	0	8,060	0	0	0	0	0	0
Other Partnership Programs	0	1,127	0	0	0	0	0	0
Total, Climate Research	354	194,057	354	190,207	354	195,477	0	5,270
Weather and Air Quality Research:								
Laboratories & Cooperative Institutes	182	46,238	186	45,089	186	49,089	0	4,000
Weather Research Program	0	0	17	5,357	17	5,500	0	143
Weather & Air Quality Research Programs	2	3,130	2	2,901	2	2,972	0	71
Other Partnership Programs	0	3,170	0	0	0	0	0	0
Total, Weather and Air Quality Res.	184	52,538	205	53,347	205	57,561	0	4,214

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Ocean, Coastal and Great Lakes Research:								
Laboratories & Cooperative Institutes	119	\$23,171	119	\$20,806	119	\$20,806	0	\$0
National Sea Grant College Program	23	57,117	23	54,997	23	54,997	0	0
National Undersea Research Program	0	14,695	0	0	0	0	0	0
Ocean Exploration	17	19,573	17	27,791	17	27,791	0	0
Other Ecosystems Programs	4	9,473	4	2,610	4	2,610	0	0
Other Partnership Programs	0	6,595	0	0	0	0	0	0
Total, Ocean, Coastal and Great Lakes Research	163	130,624	163	106,204	163	106,204	0	0
Info Technology and R&D	13	13,209	13	12,718	13	13,028	0	310
TOTAL, OAR	714	390,428	735	362,476	735	372,270	0	9,794
NATIONAL WEATHER SERVICE								
Operations & Research:								
Local Warnings & Forecasts	4,131	662,211	4,114	648,718	4,114	663,225	0	14,507
Central Forecast Guidance	306	51,923	306	52,980	306	57,253	0	4,273
Total, Operations & Research	4,437	714,134	4,420	701,698	4,420	720,478	0	18,780
Systems Operation and Maintenance	188	94,166	188	95,552	188	98,355	0	2,803
TOTAL, NWS	4,625	808,300	4,608	797,250	4,608	818,833	0	21,583
NATIONAL ENVIRONMENTAL SATELLITE DATA & INFORMATION SERVICE								
Environmental Satellite Observing Systems:								
Satellite command and control	179	43,433	179	44,817	179	46,381	0	1,564
Product processing and distribution	123	29,651	123	30,230	123	31,457	0	1,227
Product develop, readiness & appl.	101	27,212	101	26,991	101	28,376	0	1,385
Office of Space Commercialization	4	596	4	619	4	634	0	15
Ocean Surface Vector Winds Studies	0	0	0	0	0	3,000	0	3,000
Commercial Remote Sensing Licensing & E	2	1,245	2	1,255	2	1,285	0	30
Group on Earth Observations (GEO)	0	488	0	488	0	500	0	12
Total, Environmental Satellite Observing Systems	409	102,625	409	104,400	409	111,633	0	7,233
NOAA Data Centers & Information Services:								
Archive, access & assessment	256	54,880	256	38,760	256	39,589	0	829
Coastal data development	0	4,394	0	4,451	0	4,559	0	108
Regional Climate Centers	0	3,568	0	0	0	0	0	0
Coop Institute for Remote Sensing Applications, AL	0	1,033	0	0	0	0	0	0
Pacific Ocean & Environment Info Ctr	0	1,784	0	0	0	0	0	0
Environmental data sys. modern.	13	9,170	13	9,286	13	9,511	0	225
Integrated Env. Appl. & Info. Ctr.	0	2,453	0	0	0	0	0	0
Tot., NOAA Data Centers & Info. Serv.	269	77,282	269	52,497	269	53,659	0	1,162
TOTAL, NESDIS	678	179,907	678	156,897	678	165,292	0	8,395

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
PROGRAM SUPPORT								
Corporate Services:								
Under Secretary & Assoc. Office	229	\$28,814	219	\$28,643	219	\$28,676	0	\$33
Policy Formulation and Direction	773	160,065	776	155,253	785	164,365	9	9,112
Sub-total, Corporate Services	1,002	188,879	995	183,896	1,004	193,041	9	9,145
NOAA Education Program	0	37,998	10	16,192	10	16,528	0	336
Facilities Mgmt, Construct & Maint.	0	18,482	0	25,453	0	24,297	0	(1,156)
Environmental Compliance & Safety	0	0	0	0	0	0	0	0
Total, Corporate/Education/Facilities	1,002	245,359	1,005	225,541	1,014	233,866	9	8,325
Office of Marine and Aviation Operations (OMAO)								
Marine Operations								
Marine Services	813	110,435	864	111,334	893	113,451	29	2,117
Fleet planning & maintenance	3	16,771	3	16,773	3	17,034	0	261
Sub-total, Marine Ops & Maint.	816	127,206	867	128,107	896	130,485	29	2,378
Aviation Operations	89	25,409	104	25,428	104	30,044	0	4,616
NOAACorps pension & health benefits	0	0	0	0	0	0	0	0
Total, OMAO	905	152,615	971	153,535	1,000	160,529	29	6,994
TOTAL, PROGRAM SUPPORT	1,907	397,974	1,976	379,076	2,014	394,395	38	15,319
DIRECT OBLIGATIONS	11,720	2,985,616	11,823	2,760,497	11,909	2,924,253	86	163,756
NOAA Corps retirement pay (mand.)	0	23,119	0	24,272	0	24,272	0	0
TOTAL DIRECT OBLIGATIONS	11,720	3,008,735	11,823	2,784,769	11,909	2,948,525	86	163,756
REIMBURSABLE OBLIGATIONS								
From Offsetting collections	706	359,913	706	242,000	706	242,000	0	0
TOTAL OBLIGATIONS, ORF	12,426	3,368,648	12,529	3,026,769	12,615	3,190,525	86	163,756
FINANCING								
Unobligated balance, start of year	0	(161,549)	0	0	0	0	0	0
Offsetting collections	(706)	(247,000)	(706)	(242,000)	(706)	(242,000)	0	0
De-obligations (direct)	0	(5,000)	0	(11,000)	0	(11,000)	0	0
Subtotal, Financing	(706)	(413,549)	(706)	(253,000)	(706)	(253,000)	0	0
TOTAL BUDGET AUTHORITY, ORF	11,720	2,955,099	11,823	2,773,769	11,909	2,937,525	86	163,756
FINANCING FROM:								
NOAA Corps retirement pay (mandatory)	0	(23,119)	0	(24,272)	0	(24,272)	0	0
From Promote and Develop American Fisheries	0	(77,000)	0	(79,000)	0	(79,000)	0	0
Unobligated Balance, Rescission	0	5,108	0	0	0	0	0	0
From PAC	0	(979)	0	0	0	0	0	0
From Pacific Salmon	0	(67)	0	0	0	0	0	0
To FPPA	0	235	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	(98,822)	0	(106,272)	0	(106,272)	0	0
APPROPRIATION, ORF	11,720	2,856,277	11,823	2,667,497	11,909	2,831,253	86	163,756

Appropriation: Procurement, Acquisition and Construction

Summary of Requirements

	<u>Detailed</u>		<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
2008 Appropriation			190	\$979,207
FY 2008 Unobligated Balance Rescission				(6,264)
<u>Adjustments</u>				
Restoration of FY 2008 Unobligated Balance Rescission		\$6,264		
Less Terminations		(52,119)		
Transfer of NERRS to NOS ORF		(288)		
Transfer of NWS PAC Cooperative Observer Network Modernization to NWS ORF for MADIS		(500)		
Transfer of NWS ORF Local Warnings and Forecast to NWS PAC for Weather Radio Improvement		3,000		
Transfer of NESDIS POES PAC to ORF Satellite Command and Control (GEONETCast)		(500)		
Subtotal, Adjustments				(44,143)
TOTAL, ADJUSTMENTS TO BASE			0	(44,143)
2009 Base			190	928,800
Program Changes				311,860
TOTAL REQUIREMENTS			190	1,240,660
Recoveries from prior year obligations (FY 2009)				(2,000)
2009 APPROPRIATION			190	1,238,660

Comparison by Activity

	2008 Currently Available		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS								
National Ocean Service								
Construction / Acquisition								
Coastal and Estuarine Land Conserv. Prg.	0	\$8,531	1	\$8,000	1	\$15,000	0	\$7,000
NERRS	0	11,875	0	6,755	0	6,890	0	135
Marine Sanctuaries	0	14,283	0	5,495	0	5,495	0	0
Other NOS Construction/Acquisition	0	23,328	0	0	0	0	0	0
Total, NOS PAC	0	58,017	1	20,250	1	27,385	0	7,135
National Marine Fisheries Service								
Systems Acquisition / Construction	0	10,922	0	0	0	0	0	0
Total, NMFS PAC	0	10,922	0	0	0	0	0	0
Oceanic and Atmospheric Research								
Systems Acquisition	0	10,122	0	10,131	0	10,379	0	248
Construction	0	0	0	0	0	0	0	0
Total, OAR PAC	0	10,122	0	10,131	0	10,379	0	248
National Weather Service								
Systems Acquisition	31	67,674	31	69,904	31	85,254	0	15,350
Construction	0	39,249	0	26,372	0	26,604	0	232
Total, NWS PAC	31	106,923	31	96,276	31	111,858	0	15,582
National Environmental Satellite, Data & Information Service								
Systems Acquisition								
Geostationary Satellites - N	41	80,739	41	80,299	41	73,263	0	(7,036)
Geostationary Satellites - R	20	234,602	20	234,773	20	477,000	0	242,227
Polar-Orbiting Systems - POES	31	115,007	31	114,291	31	65,419	0	(48,872)
Polar-Orbiting Systems - NPOESS	61	331,300	61	330,969	61	287,985	0	(42,984)
EOS data processing & archiving	0	965	0	966	0	990	0	24
NESDIS CIP - single pt. of failure	0	2,703	0	2,706	0	2,772	0	66
CLASS	0	7,055	0	6,321	0	6,476	0	155
Restoration of Climate Sensors and Climate Data	0	0	0	0	0	74,000	0	74,000
NPOESS Data Exploitation	0	2,394	0	2,396		2,455	0	59
Subtotal	153	774,765	153	772,721	153	990,360	0	217,639
Construction	0	2,173	0	2,175	0	2,228	0	53
Total, NESDIS PAC	153	776,938	153	774,896	153	992,588	0	217,692

	2008 Available		2009 Base		2009 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Program Support/ Construction								
Intergrated Ocean Observing System	0	\$14	0	\$0	0	\$0	0	\$0
Pacific Regional Center	0	21,128	0	20,000	0	60,250	0	40,250
Southwest Fisheries Science Center	0	2,925	0	2,928	0	15,000	0	12,072
Fairbanks, AK CDA	0	0	0	0	0	11,700	0	11,700
Woods Hole	0	235	0	0	0	0	0	0
Subtotal	0	24,302	0	22,928	0	86,950	0	64,022
Program Support/ Office of Marine & Aviation Operations								
Fleet Replacement	6	21,560	5	4,319	5	11,500	0	7,181
Aircraft Replacement	0	767	0	0	0	0	0	0
Subtotal	6	22,327	5	4,319	5	11,500	0	7,181
Total, Program Support, PAC	6	46,629	5	27,247	5	98,450	0	71,203
TOTAL OBLIGATIONS, PAC								
	190	1,009,551	190	928,800	190	1,240,660	0	311,860
Unobligated balance, start of year	0	(37,587)	0	0	0	0	0	0
Unobligated balance rescission		6,264						0
Transfer to ORF		979						0
De-obligations		0		(2,000)		(2,000)	0	0
TOTAL APPROPRIATION, PAC	190	979,207	190	926,800	190	1,238,660	0	311,860

The Procurement, Acquisition and Construction (PAC) appropriation captures the cost of acquiring and improving capital assets used by NOAA in carrying out its varied missions. It is grouped by line office into three common activities: “Systems Acquisition” which contains projects associated with modernizing NOAA’s weather and climate programs, including satellite procurement; “Construction” which contains projects involving new construction or major modification of existing facilities; and “Fleet and Aircraft Replacement” which contains funding to support modernization of NOAA’s fleet of ships and aircraft either through new construction, major modification to existing assets, or long-term acquisition of capacity from third parties.

Highlights of Program Changes

National Ocean Service (NOS)

	Base		Increase/Decrease	
	FTE	Amount	FTE	Amount
Acquisition/Construction	1	\$20,250	0	+\$7,135

NOAA requests increased funding for competitive grants through the Coastal and Estuarine Land Conservation Program (CELCP) to conserve high priority coastal and estuarine lands that have significant ecological, conservation, recreational, historic or aesthetic value (0 FTE; +\$7,000 - CELCP) and to increase the base levels of funding for the National Estuarine Research Reserve Construction and Land Acquisition program to that recommended in the FY 2008 President’s Budget (0 FTE; +\$135 -NERRS Construction & Land Acquisition).

Oceanic and Atmospheric Research (OAR)

Systems Acquisition	0	\$10,131	0	+\$248
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An increase is requested to increase the base levels of funding for research supercomputing in support of the Climate Change Research Initiative to that recommended in the FY 2008 President’s Budget but not provided for in the Consolidated Appropriations Act, 2008 (0 FTE; + \$248 - Research Supercomputing/CCRI).

National Weather Service (NWS)

	<u>Base</u>		<u>Increase/Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Systems Acquisition	31	\$69,904	0	+\$15,350

NOAA requests increases to: upgrade unsupportable broadcast equipment to better utilize satellite technology for point to multi-point communications, network redundancy, and to meet DHS/FEMA needs (0 FTE, +\$2,877 - Complete and Sustain NOAA Weather Radio); upgrade the Advanced Weather Interactive Processing System (AWIPS) for delivering weather and flood warnings (0 FTE; +\$6,605 - AWIPS); replace technologies of the 20 year-old Profiler network which includes replacing transmitters that interfere with Search and Rescue sensors on a series of European satellites (0 FTE, +\$4,752 - NOAA Profiler Conversion); and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$1,116).

Construction	0	\$26,372	0	+\$232
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NOAA requests an increase to increase the base levels of funding for WFO construction to that recommended in the FY 2008 President's Budget (0 FTE; +\$232 - WFO Construction).

National Environmental Satellite, Data and Information Service (NESDIS)

Systems Acquisition	153	\$772,721	0	+\$217,639
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NOAA requests increases for continued development of the next generation Geostationary Operational Environmental Satellite (GOES R) (0 FTE; +\$242,227 - GOES R); development of the Clouds and the Earth's Radiant Energy System (CERES) and Total Solar Irradiance Sensor (TSIS) climate sensors (0 FTE; +\$74,000 - Restoration of Climate Sensors); and to increase the base levels of funding for various on-going programs within this subactivity to that recommended in the FY 2008 President's Budget (0 FTE; +\$304).

NOAA requests decreases to reflect costs in the current generation GOES-N series of satellites (0 FTE; -\$7,036 - GOES N) and the current POES programs (0 FTE; -\$48,872 - POES). POES is nearing the end of its production, with one remaining satellite to be launched, along with supporting maintenance and testing of U.S. instruments on the METOP satellite in FY 2009. A decrease is also requested to align funding of the tri-agency National Polar-orbiting Operational Environmental Satellite System (NPOESS) with DoD's certified Nunn-McCurdy program estimate (0 FTE; -\$42,984 - NPOESS). This request represents NOAA's share of the converged NOAA/DoD/NASA program.

Construction	0	\$2,175	0	+\$53
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NOAA requests an increase to increase the base levels of funding for on-going construction at the Wallops, VA and Fairbanks, AK satellite command, data, and acquisition stations to that recommended in the FY 2008 President's Budget (0 FTE; +\$53).

Program Support / Office of Marine and Aviation Operations

Construction	0	\$22,928	0	+\$64,022
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NOAA requests increased funding for continuation of construction of the new Pacific Regional Center on Ford Island in Honolulu, HI (0 FTE; +\$40,250 - Pacific Regional Center); to complete the design and begin initial site work for construction of the replacement laboratory facility for the Southwest Fisheries Science Center (0 FTE; +\$12,072 - Southwest Fisheries Science Center); and to support installation of a semi-permanent replacement structure for the NESDIS Command Data and Acquisition Station, Fairbanks, AK (0 FTE; +\$11,700 - Fairbanks, AK CDA).

	<u>Base</u>		<u>Increase/Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
Fleet Replacement	5	\$4,319	0	+\$7,181

NOAA requests an increase for operation and maintenance costs to calibrate the BELL M. SHIMADA (FSV 4) with ground fish, marine mammal, and ecosystem monitoring surveys currently conducted by DAVID STARR JORDAN (0 FTE; +\$1,000 - FSV Calibration). As the replacement vessel, BELL M. SHIMADA will need to conduct a series of survey calibrations to avoid introducing errors into fisheries stock assessments and marine mammal population estimates and the 50-year time series of Pacific Coast Ocean Observing System (PaCOOS) observations in the California Current Large Marine Ecosystem. Increased funding is also requested to provide a Major Repair Period on the 39-year-old RAINIER, which is NOAA's most productive coastal hydrographic survey ship, and possibly the most productive coastal survey ship in the world. A major overhaul and asbestos mitigation are needed to enable the ship to continue operating at current levels (0 FTE; +\$6,100 - Ship Acquisition Conversion and Maintenance). NOAA also requests funding to increase the base levels of funding for other fleet replacement programs to that recommended in the FY 2008 President's Budget (0 FTE; +\$81).

Appropriation: Pacific Coastal Salmon Recovery

Summary of Requirements

	<u>Detailed</u>		<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
2008 Appropriation			0	\$67,000
Adjustments to Base			0	0
2009 Base			0	67,000
Program Changes			0	(32,000)
2009 APPROPRIATION			0	35,000

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS								
Grants		\$66,933		\$66,933		\$35,000	0	(\$31,933)
TRANSFERS								
To NOAA ORF		67		67		0		(67)
TOTAL APPROPRIATION	0	67,000	0	67,000	0	35,000	0	(32,000)

Recognizing the results that have been achieved in Salmon recovery, allowing for the more effective targeting of funds to the threatened and endangered stocks, and in order to fund higher priority activities, NOAA requests a decrease of \$32 million for the Pacific Coastal Salmon Recovery Fund. This account funds Pacific Coastal Salmon Recovery for the purpose of helping share the costs of State, Tribal and local conservation initiatives. State and local recipients of this funding will provide matching contributions of at least thirty-three percent of the Federal funds. In addition, funds will be available to Tribes that do not require matching dollars. The Secretary will establish terms and conditions for the effective use of the funds and specific reporting requirements appropriate for ensuring proper accountability of the funds provided.

Appropriation: Limited Access System Administration Fund

Summary of Requirements

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 MANDATORY APPROPRIATION	0	\$7,444
Adjustments	0	0
2009 Base	<u>0</u>	<u>7,444</u>
Program Changes	0	0
2009 MANDATORY APPROPRIATION	<u>0</u>	<u>7,444</u>

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS	0	\$18,334	0	\$7,444	0	\$7,444	0	\$0
TOTAL OBLIGATIONS	<u>0</u>	<u>18,334</u>	<u>0</u>	<u>7,444</u>	<u>0</u>	<u>7,444</u>	<u>0</u>	<u>0</u>
FINANCING								
Unobligated balance, start of year	0	(10,890)	0	0	0	0	0	0
TOTAL APPROPRIATION	<u>0</u>	<u>7,444</u>	<u>0</u>	<u>7,444</u>	<u>0</u>	<u>7,444</u>	<u>0</u>	<u>0</u>

This 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 fishing 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.

Appropriation: Fishermen's Contingency Fund

Summary of Requirements

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 Appropriation	1	\$0
Adjustments	0	0
2009 Base	1	0
Program Changes	0	0
2009 APPROPRIATION	1	0

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS								
Administrative Expenses	1	\$100	1	\$100	1	\$100	0	\$0
Payment of Claims & Other Services	0	156	0	57	0	57	0	0
TOTAL OBLIGATIONS	1	256	1	157	1	157	0	0
FINANCING								
Unobligated balance, start of year	(1)	(413)	(1)	(157)	(1)	(157)	0	0
Unobligated balance, end of year	1	157	0	0	0	0	0	0
TOTAL APPROPRIATION	0	0	0	0	0	0	0	0

The Fishermen's Contingency Fund is used 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 are derived from fees collected annually by the Secretary of the Interior from the holders of leases, explorations, permits, easements and rights of way. No new funds are proposed for this account, as remaining unobligated balances are sufficient to carry out this program for the year.

Appropriation: Foreign Fishing Observer Fund

Summary of Requirements

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 Appropriation	0	\$0
Adjustments	0	0
2009 Base	0	0
Program Changes	0	0
2009 APPROPRIATION	0	0

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS	0	\$261	0	\$261	0	\$261	0	\$0
TOTAL OBLIGATIONS	0	261	0	261	0	261	0	0
FINANCING								
Unobligated balance, start of year	0	(522)	0	(261)	0	(261)	0	0
Unobligated balance, end of year	0	261	0	0	0	0	0	0
TOTAL APPROPRIATION	0	0	0	0	0	0	0	0

The Foreign Fishing Observer Fund provides observer coverage of foreign fishing activities within the 200-mile Exclusive Economic Zone. The fund is financed by fees collected from foreign governments with fishing vessels within the exclusive fishing jurisdiction of the United States. The fund is used to pay salaries, administrative costs, data entry, and other expenses associated with the placement of observers aboard foreign fishing vessels. No new funds are proposed for this account, as remaining unobligated balances are sufficient to carry out this program for the year.

Appropriation: Fisheries Finance Program Account*Summary of Requirements*

Summary of Requirements

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 Appropriation	0	\$0
Adjustments	0	0
2009 Base	<u>0</u>	<u>0</u>
Program Changes	0	0
2009 APPROPRIATION	0	0

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS								
Credit Reestimates	0	\$27,389	0	\$0	0	\$0	0	\$0
Cost of Loan Subsidy	0	235	0	0	0	0	0	0
TOTAL OBLIGATIONS	<u>0</u>	<u>27,624</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
FINANCING								
Unobligated balance, start of year	0	(2,928)	0	(2,928)	0	(2,928)	0	0
Unobligated balance, end of year	0	2,928	0	2,928	0	2,928	0	0
Transfer from ORF	0	(235)	0	0	0	0	0	0
Less Permanent Indefinite Authority	0	(27,389)	0	0	0	0	0	0
TOTAL APPROPRIATION	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

This account was established in FY 1997 to cover the cost of financing direct loans as authorized by Title XI of the Merchant Marine Act of 1936. The request proposes a loan level of \$8 million for individual fishing quota loans. These loans do not require an appropriated subsidy, as they have a negative subsidy rate.

Appropriation: Promote and Develop American Fishery Products & Research Pertaining to American Fisheries

Summary of Requirements

	<u>Detailed</u>		<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
2008 Appropriation			0	\$0
<u>Transfers</u>				
From Department of Agriculture	4	\$84,594		
To NOAA ORF	0	(77,000)		
Total, Transfers			4	7,594
Adjustments to Base			0	(2,000)
2009 Base			4	5,594
Program Changes				0
TOTAL REQUIREMENTS			4	5,594
<u>Transfers</u>				
From Department of Agriculture			(4)	(84,594)
To NOAA ORF			0	79,000
2009 APPROPRIATION			0	0

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS	4	\$8,260	4	\$5,594	4	\$5,594	0	\$0
TOTAL OBLIGATIONS	4	8,260	4	5,594	4	5,594	0	0
FINANCING								
Unobligated balance, start of year	0	(666)	0	0	0	0	0	0
TOTAL BUDGET AUTHORITY	4	7,594	4	5,594	4	5,594	0	0
TRANSFERS								
From Dept of Agriculture		(84,594)		(84,594)		(84,594)	0	0
To NOAA ORF		77,000		79,000		79,000	0	0
TOTAL APPROPRIATION	4	0	4	0	4	0	0	0

The American Fisheries Promotion Act of 1980 authorized a grants program for fisheries research and development projects to be carried out with Saltonstall-Kennedy (S-K) funds. S-K funds are derived from duties on imported fisheries products; 30 percent of these duties are transferred from the Department of Agriculture to the Department of Commerce. The FY 2009 budget estimate of the transfer is \$84.6 million. Of this amount, \$5.6 million will be used for the grants program and the remaining \$79 million will be transferred to offset the ORF appropriation. This program supports the NOAA strategic plan goal to build sustainable fisheries.

Appropriation: Damage Assessment and Restoration Revolving Fund

Summary of Requirements

	Summary	
	FTE	Amount
2008 Mandatory Appropriation	16	\$0
Adjustments	0	0
2009 Base	16	0
Program Changes	0	0
2009 MANDATORY APPROPRIATION	16	0

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS	16	\$4,000	16	\$4,000	16	\$4,000	0	\$0
REIMBURSABLE OBLIGATIONS	0	32,586	0	7,600	0	7,600	0	0
TOTAL OBLIGATIONS	16	36,586	16	11,600	16	11,600	0	0
FINANCING								
Estimated collections	0	(7,600)	0	(7,600)	0	(7,600)	0	0
Unobligated balance, start of year	0	(24,986)	0	0	0	0	0	0
Transfer of budget authority								
from DOI	(16)	(1,000)	(16)	(1,000)	(16)	(1,000)	0	0
Transfer of unobligated balances								
from DOI	0	(3,000)	0	(3,000)	0	(3,000)	0	0
TOTAL MANDATORY APPROPRIATION	0	0	0	0	0	0	0	0

This fund was established in 1990 to facilitate oil and hazardous material spill response, as well as assessment and restoration activities for damages to natural resources for which NOAA serves as trustee. The Fund retains sums transferred by responsible parties or government entities for future use. The sources of these funds are settlements and awards by the courts. Receipts from settlements are expected to be \$7.6 million in FY 2009.

Appropriation: Coastal Zone Management Fund**Summary of Requirements**

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 Appropriation	0	\$3,000
Transfers		
Transfer to ORF	0	(3,000)
Total, Transfers	0	(3,000)
2009 Base	0	0
Program Change	0	0
TOTAL BUDGET AUTHORITY	0	0
Transfer to ORF	0	3,000
Total, Transfers	0	3,000
2009 APPROPRIATION	0	3,000

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS	0	\$0	0	\$0	0	\$0	0	\$0
TOTAL OBLIGATIONS	0	0	0	0	0	0	0	0
TOTAL APPROPRIATION	0	3,000	0	3,000	0	3,000	0	0
Transfer to ORF	0	(3,000)	0	(3,000)		(3,000)	0	0
Discretionary Budget Authority	0	0	0	0	0	0	0	0
Less: Offsetting collections, Mandatory	0	(1,500)		(1,500)		(1,500)	0	0
TOTAL MANDATORY BUDGET AUTHORITY	0	(1,500)	0	(1,500)	0	(1,500)	0	0

In FY 2009, NOAA proposes to continue the transfer of authorized funding from the Coastal Zone Management Fund to the ORF account to offset the costs of implementing the Coastal Zone Management Act of 1972, as amended.

Appropriation: Federal Ship Financing Fund*Summary of Requirements*

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 Appropriation	0	(\$1,000)
Transfers	0	0
Adjustments	0	0
2009 Base	0	(1,000)
Program Changes	0	0
2009 MANDATORY BUDGET AUTHORITY	0	(1,000)

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS	0	\$1,000	0	\$1,000	0	\$1,000	0	\$0
TOTAL OBLIGATIONS	0	1,000	0	1,000	0	1,000	0	0
FINANCING								
Less: offsetting collections	0	(2,000)	0	(2,000)	0	(2,000)	0	0
TOTAL MANDATORY BUDGET AUTHORITY	0	(1,000)	0	(1,000)	0	(1,000)	0	0

Premiums and fees collected under the Fishing Vessel Obligations Guarantee program for loan commitments made prior to October 1, 1991 are deposited in this fund to pay the costs of defaults, foreclosures, and federal up-keep activities. Proceeds from the sale of collateral are also deposited in the fund for defaults on loans committed prior to October 1, 1991.

Appropriation: Environmental Improvement and Restoration Fund

Summary of Requirements

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 Mandatory Appropriation	0	\$8,060
Adjustments		
Total, Adjustments	0	596
2009 Base	0	8,656
Program Change	0	0
2009 MANDATORY APPROPRIATION	0	8,656

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS	0	\$16,710	0	\$8,656	0	\$8,656	0	\$0
TOTAL OBLIGATIONS	0	16,710	0	8,656	0	8,656	0	0
FINANCING								
Unobligated balance, end of year	0	(8,650)	0	0	0	0	0	\$0
TOTAL MANDATORY APPROPRIATION	0	8,060	0	8,656	0	8,656	0	0

This fund was established by Title IV of P.L. 105-83, the Department of the Interior and Related Agencies Appropriations Act of 1998. Twenty percent of the interest earned from this fund is made available to the Department of Commerce. Funds are to be used to 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. Research priorities and grant requests are reviewed and approved by the North Pacific Research Board with emphasis placed on cooperative research efforts designed to address pressing fishery management or marine ecosystem information needs. This program supports the NOAA strategic plan goal to protect, restore, and manage the use of coastal and ocean resources through ecosystem-based management.

Appropriation: Marine Mammal Unusual Mortality Event Fund

Summary of Requirements

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 APPROPRIATION	0	\$0
Adjustments	0	0
2009 Base	<u>0</u>	<u>0</u>
Program Changes	0	0
2009 APPROPRIATION	<u>0</u>	<u>0</u>

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS	0	\$735	0	\$0	0	\$0	0	\$0
TOTAL OBLIGATIONS	<u>0</u>	<u>735</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
FINANCING								
Unobligated balance, start of year	0	(735)	0	0	0	0	0	0
Unobligated balance, end of year	0	0	0	0	0	0	0	0
TOTAL APPROPRIATION	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

In response to the death of more than 700 bottlenose dolphins on the East Coast of the United States in 1987–88, NMFS established the Marine Mammal Health and Stranding Response Program, and its Working Group on Unusual Marine Mammal Mortality Events. This program determines when an unusual mortality event is occurring, and directs responses to such events. Funding from this account will be made available to members of the Marine Mammal Stranding Network for costs incurred in investigating the death of marine mammals.

Appropriation: Medicare-Eligible Retiree Healthcare Fund*Summary of Requirements*

	<u>Summary</u>	
	<u>FTE</u>	<u>Amount</u>
2008 APPROPRIATION	0	\$1,802
Adjustments		
Total, Adjustments	0	132
Adjustments to Base	0	132
2009 Base	0	1,934
Program Changes	0	0
2009 APPROPRIATION	0	1,934

Comparison by Activity

	2008 Currently Avail.		2009 Base		2009 Estimate		Increase / Decrease	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
DIRECT OBLIGATIONS	0	\$1,802	0	\$114	0	\$1,934	0	\$1,820
TOTAL OBLIGATIONS	0	1,802	0	114	0	1,934	0	1,820
Transfer of unobligated balances	0	0	0	0	0	0	0	0
TOTAL APPROPRIATION	0	1,802	0	114	0	1,934	0	1,820

This account includes amounts necessary to finance the cost of Tricare retirement health care benefits accrued by the active duty members of the NOAA Commissioned Corps. The Ronald W. Reagan National Defense Authorization Act for 2005 (P.L. 108-375) provided permanent, indefinite appropriations to finance these costs for all uniformed service members. Previously the Operations, Research, and Facilities account was required to pay the accruing costs using annual appropriations. As these costs are borne in support of NOAA's mission, they will be shown as part of the NOAA discretionary total. The FY 2009 appropriations requested in the Operations, Research, and Facilities account to fund the NOAA Commissioned Corps exclude funding to make the health accrual payments. Total obligations on behalf of active NOAA Commissioned Corps personnel include both the wages and related amounts requested for appropriation and amounts paid from the permanent, indefinite authority.

NOAA Performance Measures

NOAA contributes to the Department's strategic goal to "Promote environmental stewardship." NOAA has developed performance measures for each of its four performance objectives and one mission support objective as shown in the following table. These measures indicate the outcomes of NOAA's programs, and are used by NOAA to track progress. A more detailed description of these objectives and measures is in the NOAA section of the Department of Commerce budget.

Performance Objectives and Measures

(Dollars reflects obligations in Millions)

	2007 Actual	2008 Estimate / Target	2009 Estimate / Target
Objective 1: Protect, restore and manage the use of coastal and ocean resources	\$1,299.4	\$1,202.0	\$1,114.5
Fish Stock Sustainability Index (FSSI)	524	530.5	543.5
Percentage of Living Marine Resources (LMR) with adequate population assessments and forecasts	40.6	41.1	42.8
Number of protected species designated as threatened, endangered or depleted with stable or increasing population levels	26	22	23
Number of habitat acres restored (annual / cumulative)	5,974 / 38,488	9,000 / 47,488	9,000 / 56,488
Annual number of coastal, marine, and Great Lakes ecological characterizations that meet management needs	27	45	50
Cumulative number of coastal, marine, and Great Lakes issue-based forecasting capabilities developed and used for management	35	38	40
Percentage of tools, technologies, and information services that are used by NOAA partners/customers to improve ecosystem-based management	85%	86%	86%
Annual number of coastal, marine, and Great Lakes habitat acres acquired or designated for long-term protection	3,020	2,000	2,000

	2007 Actual	2008 Estimate / Target	2009 Estimate / Target
Objective 2: Advance understanding of climate variability and change	\$244.5	\$266.3	\$250.6
U.S. temperature forecasts (cumulative skill score computed over the regions where predictions are made)	29	19	21
Uncertainty in the magnitude of the North American Carbon Uptake	Uncertainty of atmospheric estimates of NA carbon update = .40 Gt Carbon / year	Reduce uncertainty of atmospheric estimates of NA carbon update to .35 GT. Carbon per year	Reduce uncertainty of atmospheric estimates of NA carbon update to .30 GT. Carbon per year
Uncertainty in model simulations of the influence of aerosols on climate	Established 10% improvement in uncertainty in model simulations of how North American aerosols influence climate	Establish 15% improvement in uncertainty in model simulations of how North American aerosols influence climate	Establish 20% improvement in uncertainty in model simulations of how North American aerosols influence climate
Determine the National explained variance (%) for temperature and precipitation for the contiguous U.S. using USCRN stations	Captured 97.7% of annual national temperature and 93.8% of annual national precipitation trend	Capture 98% of annual national temperature and 95% of annual national precipitation trend	Capture 98% of annual national temperature and 95.1% of annual national precipitation trend
Error in global measurement of sea surface temperature	.53°C	.50°C	.50°C
Ability of society to plan and respond to climate variability and change using NOAA climate products and information	32 regionally-focused climate impacts and adaptation studies communicated to decision makers.	35 regionally-focused climate impacts and adaptation studies communicated to decision makers.	37 regionally-focused climate impacts and adaptation studies communicated to decision makers.
Objective 3 : Provide accurate and timely weather and water information	\$946.7	\$907.2	\$1,040.0
Cumulative percentage of U.S. shoreline and inland areas that have improved ability to reduce coastal hazard impacts	32%	32%	32%
Lead time (minutes), accuracy (%) and False Alarm Rate (FAR) (%) for tornado warnings (storm based) (NOAA changed the methodology in FY 2008 from being county based to being storm based.)	14 / 80% / 75%	11 / 67% / 74%	12 / 69% / 72%
Lead time (minutes) and accuracy (%) for flash flood Warnings	60 / 90%	48 / 89%	49 / 90%
Hurricane forecast track error (48 hour) (nautical miles)	97	109	108
Hurricane forecast Intensity error (48 hour) (difference in knots)	New	14	13
Accuracy (%) (threat score) of Day 1 precipitation forecasts	31	29	29
Lead time (hours) and accuracy (%) for winter storm Warnings	18 / 92%	15 / 90%	16 / 91%

	2007 Actual	2008 Estimate / Target	2009 Estimate / Target
Objective 4: Support safe, efficient, and environmentally sound commercial navigation	\$189.4	\$164.2	\$173.8
Reduce the hydrographic survey backlog within navigationally significant areas (sq. nautical miles surveyed per year)	3,198	2,500	3,000
Percentage of U.S. counties rated as fully enabled or substantially enabled with accurate positioning capacity	51.6	60	80
Accuracy (%) of forecast for marine wind speed and wave height	73% / 78%	68% / 73%	69% / 74%
Accuracy (%) and False Alarm Rate (%) of forecasts of ceiling and visibility (3 miles / 1000 feet) (aviation forecasts)	61% / 40%	63% / 44%	64% / 43%
Mission Support Objective: Provide critical support for NOAA's mission	\$1,512.1	\$1,535.8	\$1,681.9
*Total	\$4,192.1	\$4,075.5	\$4,260.8

*NOAA does not break out reimbursable obligations by objective. There, amounts reflect Direct Obligations only.

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