

NOAA RESEARCH - FY 2004 CONGRESSIONAL ACTION
(IN THOUSANDS OF DOLLARS)

Operations, Research, & Facilities (OR&F)	FY 2002 Enacted	FY 2003 Enacted w/ Rescission	FY 2004 Request Amount	FY 2004 House Action	Difference H less Request	Difference H less FY2003	FY 2004 Senate Action	Difference S less Request	Difference S less FY2003
Climate Research	150,168	165,242	184,782	158,460	(26,322)	(6,782)	162,732	(22,050)	(2,510)
Laboratories & Joint Institutes	49,143	48,592	54,261	49,320	(4,941)	728	48,907	(5,354)	315
Line Item Adjustment Required by Senate Mark							(2,869)		
Aeronomy Laboratory (CO)-	8,111	8,059	8,641	8,100	(541)	41	8,620		
Atlantic Oceanographic & Meteorological Laboratory (FL)	5,691	5,654	6,534	5,954	(580)	300	6,085		
Air Resources Laboratory (MD,CO,ID,NC,NV,TN)	3,447	3,425	3,859	3,498	(361)	73	3,679		
Climate Diagnostic Center (CO)	2,555	2,539	2,745	2,589	(156)	50	2,832		
Climate Monitoring & Diagnostic Lab. (CO,HI,AK,AS,SP)	5,952	5,914	6,737	5,978	(759)	64	6,652		
Environmental Technology Laboratory (CO)	243	241	297	241	(56)	0	297		
Forecast Systems Laboratory (CO)	156	155	175	155	(20)	0	175		
Geophysical Fluid Dynamics Laboratory (NJ)	14,229	14,137	15,570	14,137	(1,433)	0	14,260		
Pacific Marine Environmental Laboratory (WA,OR)	8,523	8,468	9,431	8,668	(763)	200	9,176		
Space Environment Center (CO)	236	0	272	0	(272)	0	0		
Climate & Global Change Program	73,725	74,226	73,051	52,037	(21,014)	(22,189)	74,551	1,500	325
Climate and Global Change Program Base	71,625	70,153	70,951	47,951	(23,000)	(22,202)	71,051	100	898
Aerosols-Climate Interaction >	0	1,987	0	2,000	2,000	13	2,000	2,000	13
Accelerating Climate Models - IRI	2,100	2,086	2,100	2,086	(14)	0	1,500	(600)	(586)
Climate Observations & Services	23,550	39,295	55,396	52,216	(3,180)	12,921	35,500	(20,346)	(4,245)
Climate Reference Network	3,000	2,981	3,038	3,038	0	57	3,000	(38)	19
Climate Data & Info (+ CLASS in PAC)	1,000	994	1,000	1,000	0	6	1,000	0	6
Baseline Observatories	2,500	2,484	2,686	2,686	0	202	2,500	(186)	16
Ocean Observations/Ocean Systems >	3,500	4,471	3,519	10,857	7,338	6,386	0	(3,519)	(4,471)
Argo-Related Costs [part of ocean obs./systems] >	7,950	10,879	8,077	11,077	3,000	198	10,950	2,873	71
Regional Assessments, Education and Outreach >	1,750	2,732	1,750	3,732	1,982	1,000	2,750	1,000	18
Climate Change Assessments	650	646	650	646	(4)	0	650	0	4
Weather-Climate Connection	900	894	938	938	0	44	900	(38)	6
Carbon Cycle >	2,300	4,272	2,300	9,300	7,000	5,028	4,300	2,000	28
Climate Modeling Center (GFDL) >	0	4,968	0	4,968	4,968	0	5,000	5,000	32
Global Climate Atmospheric Observing System >	0	3,974	0	3,974	3,974	0	4,000	4,000	26
Climate Change Research Initiative >	0	0	31,438	0	(31,438)	0	0	(31,438)	0
Other Partnership Programs	3,750	3,129	2,074	4,887	2,813	1,758	4,224	2,150	1,095
AIRMAP (Inst.for Study of Earth, Oceans & Space--CCRC)^	3,000	in W&AQ	0	0	0	0	0	0	0
Central CA Ozone Study^	250	0	0	0	0	(248)	250	250	2
East Tennessee Ozone Study^	0	298	0	0	0	(298)	300	300	2
International Pacific Research Center (U of HI)	500	596	0	0	0	(596)	0	0	(596)
SEARCH (Arctic Climate Research Initiative)	0	1,987	2,074	1,987	(87)	0	2,074	0	87
Climate & Environmental Change	0	0	0	2,900	2,900	2,900	0	0	0
Abrupt Climate Change Research	0	0	0	0	0	0	1,600	1,600	1,600
Weather & Air Quality Research	55,462	56,401	56,558	43,879	(12,679)	(12,522)	58,527	1,969	2,126
Laboratories & Joint Institutes	43,863	41,593	42,943	39,097	(3,846)	(2,496)	37,713	(5,230)	(3,880)
Line Item Adjustment Required by Senate Mark							3,555	(2,479)	
Aeronomy Laboratory (CO)	2,054	2,041	2,161	2,130	(31)	89	2,161		
Atlantic Oceanographic & Meteorological Laboratory (FL)	3,921	3,896	4,188	4,188	0	292	3,888		
Air Resources Laboratory (MD,CO,ID,NC,NV,TN)	2,077	2,064	2,194	2,194	0	130	2,061		
Climate Monitoring & Diagnostic Lab. (CO,HI,AK,AS,SP)	166	165	181	175	(6)	10	181		
Environmental Technology Laboratory (CO)	6,864	6,820	7,276	6,858	(418)	38	7,422		
Forecast Systems Laboratory (CO)	10,646	10,577	7,269	7,269	0	(3,308)	7,268	4150 NWS]	4150 NWS]
Geophysical Fluid Dynamics Laboratory (NJ)	3,077	3,057	3,228	3,157	(71)	100	2,928		
National Severe Storms Laboratory (OK)	7,552	7,503	8,144	7,558	(586)	55	7,510		
Pacific Marine Environmental Laboratory (WA,OR)	264	262	283	270	(13)	8	283		
Space Environment Center (CO)	7,242	5,208	8,019	5,298	(2,721)	90	456		
U.S. Weather Research Program (USWRP)	10,250	7,755	12,614	3,781	(8,833)	(3,974)	9,314	(3,300)	1,559
U.S. Weather Research Program Base	2,750	3,781	4,014	3,781	(233)	0	4,014	0	233
Severe Local Storms (THORpex) (part of USWRP Base)	0	0	1,300	0	(1,300)	0	1,300	0	1,300
Targeted Wind Sensing	0	1,987	0	0	0	(1,987)	2,000	2,000	13
Space-Based Wind Profile Lidar Technology	1,000	0	0	0	0	0	0	0	0
3-D Ceilometer in HI	500	0	0	0	0	0	0	0	0
Energy Security Pgm Init / AQ & High-Res Temp Fcst Pilots	6,000	in NWS	7,300	0	(7,300)	0	7.2M NWS]	(7,300)	0
Energy Security (CA)	0	1,987	0	0	0	(1,987)	2,000	2,000	13
Other Partnership Programs	1,349	7,053	1,001	1,001	0	(6,052)	11,500	10,499	4,447
New England Air Quality Study	1,000	1,739	0	0	0	(1,739)	3,000	3,000	1,261
STORM (U. of N. Iowa)	349	347	0	0	0	(347)	2,000	2,000	1,653
AIRMAP (Inst.for Study of Earth, Oceans & Space--CCRC)^	0	4,967	0	0	0	(4,967)	5,000	5,000	33
Tornado/Severe Storm Research (Phased-Array Radar)	0	0	1,001	1,001	0	1,001	1,500	499	1,500

* Note that Positions & FTE in the budget refer NOT to how many people are in an organization but rather to how much labor is charged against a line item.
 ~ The FY'04 ATB's for AL contain a \$133K General Counsel ATB transfer that was placed under the OAR budget activity.
 > NOAA presents the President's CCRl on a single line within CO&S. However, NOAA will also provide a table showing the CO&S lines to which the CCRl components tie.
 * This table moves '03 CCRl enactment of \$18M back into the CCRl line within the FY'04 ATB column; the NOAA control table does this using the Base Restorations & Terminations col
 * These add-ons are considered as predecessors for the new Energy Security Program Line Initiative. Congress funded them again in FY'03 at \$33,000K each but under NWS.
 ^ These are Air Quality programs &, thus, should have been placed under Partnership Programs in the Weather & Air Quality Subactivity.

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Operations, Research, & Facilities (OR&F)									
Subactivity Line Item Program	FY 2002 Enacted	FY 2003 Enacted w/ Rescission	FY 2004 Request Amount	FY 2004 House Action	Difference H less Request	Difference H less FY2003	FY 2004 Senate Action	Difference S less Request	Difference S less FY2003
Ocean, Coastal, and Great Lakes Research	137,632	137,961	112,216	91,159	(21,057)	(46,802)	160,166	47,950	22,205
Laboratories & Joint Institutes	19,285	19,521	20,585	20,398	(187)	877	26,936	6,351	7,415
Line Item Adjustment Required by Senate Mark							597		
Atlantic Oceanographic & Meteorological Laboratory (FL)	3,219	3,278	3,475	3,475	0	197	3,276		
Environmental Technology Laboratory (CO)	445	442	477	452	(25)	10	446		
Great Lakes Environmental Research Laboratory (MI)	8,232	8,366	8,869	8,819	(50)	453	8,163		
Pacific Marine Environmental Laboratory (WA,OR)	7,389	7,435	7,764	7,652	(112)	217	7,166		
Chesapeake Bay "Dead Zone" Rsch. (prevention)--Oxford							4,500	4,500	4,500
GLERL / Lake Erie "Dead Zone" Rsch. (Stone Lab)							448	448	448
GLERL / Lake Erie Observation Buoys							2,000	2,000	2,000
GLERL / Solvent Rsch. (Notre Dame)							250	250	250
Milfoil (NH)							90	90	90
National Sea Grant College Program #	62,410	60,020	57,400	61,961	4,561	1,941	69,410	12,010	9,390
Sea Grant Base (incl. ANS & Oyster Disease Rsch.)	61,410	59,027	57,400	60,968	3,568	1,941	66,160	8,760	7,133
Gulf of Mexico Oyster Initiative	1,000	993	in base	993	993	0	1,000	1,000	7
Fish Extension							2,000	2,000	2,000
Marine Invasive Species Program							250	250	250
National Undersea Research Program (NURP)	16,270	15,946	13,878	0	(13,878)	(15,946)	21,200	7,322	5,254
NURP Base / Continuing Activities	13,770	13,462	13,878	0	(13,878)	(13,462)	15,000	1,122	1,538
Aquarius II							1,200	1,200	1,200
Nat. Inst. for Undersea Science & Technology (U. of MS)	2,500	2,484	0	0	0	(2,484)	5,000	5,000	2,516
Ocean Exploration (OE)	14,000	15,102	14,194	0	(14,194)	(15,102)	16,194	2,000	1,092
OE Base	14,000	13,115	14,194	0	(14,194)	(13,115)	13,200	(994)	85
Submersible Microtechnology Research							994	994	994
Nat. Museum of Natural History East Wing (Oceans)	0	1,987	0	0	0	(1,987)	2,000	2,000	13
Other Partnership Programs	25,667	27,372	6,159	8,800	2,641	(18,572)	26,426	20,267	(946)
Aquatic Ecosystems / Canaan Valley Institute	4,300	4,272	0	4,272	4,272	0	2,300	2,300	(1,972)
Arctic Research Initiative	1,650	1,987	1,703	1,703	0	(284)	2,000	297	13
Cooperative Institute for Arctic Research	0	348	0	0	0	(348)	350	350	2
Carolina Coastal Ocean Observing & Prediction System	2,800	0	0	0	0	0	0	0	0
Gulf of Maine Council / GOM Habitat Restoration Initiative	500	248	0	0	0	(248)	1,000	1,000	752
Institute for Science Technology & Public Policy	0	993	0	0	0	(993)	1,000	1,000	7
Lake Champlain Research Consortium	250	250	0	0	0	(250)	300	300	50
NH Milfoil Education & Prevention Program	275	0	0	0	0	0	in Labs line	0	0
NISA / Ballast Water Demonstrations	2,250	348	0	1,825	1,825	1,477	0	0	(348)
NISA / Alaska	0	1,490	0	0	0	(1,490)	1,500	1,500	10
NISA / Nutria--Chesapeake Bay							545	545	545
NISA/Prevent & Control Invasive Species (w NOS & NMFS)	800	795	1,825	0	(1,825)	(795)	800	(1,025)	5
NOAA Marine Aquaculture Program	2,594	0	2,631	0	(2,631)	0	3,131	500	3,131
Coop.Inst. for New England Mariculture & Fisheries (UNH)	3,000	2,981	0	0	0	(2,981)	3,000	3,000	19
Pacific Tropical Ornamental Fish	450	447	0	0	0	(447)	500	500	53
Aquaculture Management Plan--RICRMC	1,500	0	0	0	0	0	0	0	0
Aquaculture Education Program--Cedar Point, MS	1,000	993	0	0	0	(993)	0	0	(993)
Ocean Health Initiative	0	7,948	0	0	0	(7,948)	10,000	10,000	2,052
SE Atlantic Marine Monitoring & Pred. Center (UNC)	998	0	0	0	0	0	0	0	0
Great Lakes Toxicity	0	0	0	500	500	500	0	0	0
Coop. Sensor Devel. Lab for Oceans & Climate	0	0	0	500	500	500	0	0	0
Tsunami Hazard Mitigation <	3,300	4,272	0	in W[4,272]	0	(4,272)	[4.3M NWS]	0	(4,272)
Info. Technology R&D & Science Education	12,800	12,717	12,945	12,945	0	228	13,045	100	328
High Performance Computing & Communications (HPCC)	12,800	12,717	12,945	12,945	0	228	12,945	0	228
Payment to OMAO							100	100	100
Total, NOAA Research - ORF	356,062	372,321	366,501	306,443	(60,058)	(65,878)	394,470	27,969	22,149
Non-Lab NOAA Corp. Costs									
Non-Lab OAR Admin. Costs in OAR							3,297		
OAR Admin. Costs Charged to other LO's									
OAR Admin. Costs Charged to Reimbursables									
OAR AADF funded by 3% & 5% Assessments									
Net Lab Line Item Adjustments Required by S Mark									
Procurement, Acquis., & Constr. (PAC)									
Research Supercomputing/CC Computing Initiative	7,750	7,501	10,484	10,484	0	2,983	7,550	(2,934)	49
Comprehensive Large-Array data Stewardship Sys.(CLASS)	3,600	2,881	3,600	2,881	(719)	0	0	(3,600)	(2,881)
Barrow Planning & Design	0	993	0	0	0	(993)	8,500	8,500	7,507
Norman Consolidation +	16,000	5,961	0	0	0	(5,961)	0	0	(5,961)
Stone Laboratory	350	0	0	0	0	0	0	0	0
Total, NOAA Research - PAC	27,700	17,336	14,084	13,365	(719)	(3,971)	16,050	1,966	(1,286)
GRAND TOTAL, NOAA RESEARCH	383,762	389,657	380,585	319,808	(60,777)	(69,849)	410,520	29,935	20,863
Other Programs of Interest (outside OAR bgt.)									
Boulder Facility Operations	4,500	0	4,564	0	(4,564)	0	???	(4,564)	0
NOAA Maintenance, Repairs, & Safety / Cyclical	3,225	3,204	9,684	3,204	(6,480)	(0)	6,684	(3,000)	3,480
NOAA Maintenance, Repairs, & Safety / Backlog							13,000	13,000	13,000
NOAA Environmental Compliance	2,000	1,987	4,000	1,987	(2,013)	0	2,564	(1,436)	577
Marine Services^	63,775	63,765	77,347	71,647	(5,700)	7,882	82,897	5,550	19,132
AK--N.Pacific & Bering Sea - Ocean Climate Impacts (NMFS)	6,000	0	0	0	0	0	0	0	0
Educational Partnership Pgm. / Minority-Serving Institutions	15,000	14,903	15,000	15,000	0	97	7,500	(7,500)	(7,403)
NOAA Science Center (NCEP)	0	0	10,400	0	(10,400)	0	0	(10,400)	(0)
Offset for Prior-Year Deobligations (OR&F)	(17,000)	(17,000)	(15,000)	(17,000)	(2,000)	0	0	15,000	17,000
Offset for Prior-Year Deobligations (PAC)	(3,200)	(3,200)	(2,000)	(5,941)	(3,941)	(2,741)	0	2,000	3,200

* Note that Positions & FTE in the budget refer NOT to how many people are in an organization but rather to how much labor is charged against a line item.

This table rolls all '04 SG funding into base & shows an '04 reduction of \$3M; NOAA control table shows '04 termination of '03 enacted level & an '04 increase of \$57.4M.

< Tsunami Hazard Mitigation is shown as a transfer/reduction in OAR since NOAA has proposed transferring it to NWS. The House Mark accepts this transfer & shows \$4.272M for it un

+ Only \$8M of the '02 Enacted comes from PAC; an additional \$8M was included in the GSA appropriation - for a total of \$16M.

^ \$2.5M requested but not funded in '03 for additional UNOLS funding is provided in both House & Senate '04 marks.