

FULL BUDGETARY COSTING

The tables below show two methods for allocating the full budgetary cost of the NSF FY 2008 Budget Request. The first shows the full budgetary costs allocated to each of NSF's operating directorates. The second shows these costs allocated to three of NSF's strategic outcome goals: Discovery, Learning, and Research Infrastructure. Stewardship, NSF's fourth strategic goal encompasses the indirect costs to be allocated under full budgetary costing. These allocations represent part of the process, using readily available information, by which NSF achieved the integration of budget, cost, and performance, consistent with the President's Management Agenda.

What is Full Budgetary Cost? OMB Circular A-11 defines "full-cost" as the sum of all budget resources used by an agency to achieve program outputs and outcomes. These include both *direct* program costs and *indirect* costs, which generally include administrative costs and other activities that are not directly attributable to a single program or activity. For two of NSF's appropriations, Research and Related Activities (R&RA) and Education and Human Resources (EHR), all funds are directly attributable to directorates and outcome goals. For NSF's other appropriations, Major Research Equipment and Facilities Construction (MREFC), Agency Operations and Award Management (AOAM), the National Science Board (NSB), and the Office of Inspector General (OIG) funds are distributed using the methodologies described below.

Allocation by Directorate

The current budget structure contains program activities within R&RA and EHR that equate to directorates. Therefore, R&RA and EHR funding is already aligned by directorate. MREFC funds projects that are managed by a particular NSF directorate. Therefore, each MREFC project can be directly associated with a particular directorate. In addition, each managing directorate is responsible for the initial planning, design, and follow-on operations and maintenance costs that are funded through R&RA. The MREFC program funds are assigned to the managing directorate responsible for oversight of a particular project. (Table 1)

All budget items funded through the AOAM, NSB, and OIG appropriations accounts are defined as Stewardship and are allocated to directorates. More than half of the AOAM account can be precisely associated with an individual directorate. These direct AOAM budget items consist of distributed funding for travel, training, equipment, supplies, incentive awards, and premium pay. Also, space rental and personnel compensation and benefits (PC&B) of employees in a particular directorate are attributed to that directorate in the financial accounting system.

Once direct AOAM budget items that are associated with a particular directorate have been assigned, then budget items associated with the Office of Information and Resource Management (IRM), Office of Budget, Finance and Award Management (BFA), the staff offices in the Office of the Director (OD), the NSB, OIG, and ARC are allocated. These indirect AOAM budget items are allocated to a particular directorate based on its proportion of the total FY 2008 Request. The FY 2008 NSB, OIG, and ARC budgetary costs are assigned using the same methodology as the Indirect AOAM costs total. (Table 1)

Allocations by Strategic Outcome Goal

The full budgetary costing by Discovery, Learning, and Research Infrastructure was derived by using the same methodology as stated above, except the Direct AOAM budget items, Indirect AOAM budget items, and total NSB, and OIG funding were assigned using the strategic goal percentages for each directorate. (Table 2)

FY 2008 FULL BUDGETARY COSTING

Table 1: Allocation of Major Research Equipment and Facilities Construction (MREFC), Agency Operations and Award Management (AOAM), National Science Board (NSB), and the Office of Inspector General (OIG) (Dollars in Thousands)

FY 2008 Congressional Request	BIO	CISE	ENG	GEO	MPS	SBE	OCI	OISE	OPP	IA ¹	USARC	SUBTOTAL	EHR	TOTAL
R&RA & EHR	\$633,000	\$574,000	\$683,300	\$792,000	\$1,253,000	\$222,000	\$200,000	\$45,000	\$464,900	\$263,000	\$1,490	\$5,131,690	\$750,600	\$5,882,290
MREFC														
AdvLIGO					32,750							\$32,750		\$32,750
ALMA Construction					102,070							\$102,070		\$102,070
ARRV				42,000								\$42,000		\$42,000
EarthScope												-		-
HIAPER												-		-
IceCube Neutrino Observatory									22,380			\$22,380		\$22,380
NEES												-		-
NEON	8,000											\$8,000		\$8,000
OOI				30,990								\$30,990		\$30,990
RSVP												-		-
Scientific Ocean Drilling												-		-
South Pole Station Modernization									6,550			\$6,550		\$6,550
Terascale Computing Systems												-		-
MREFC Subtotals	\$8,000	-	-	\$72,990	\$134,820	-	-	-	\$28,930	-	-	\$244,740	-	\$244,740
Total FY 2008 Request by Activity including MREFC	\$641,000	\$574,000	\$683,300	\$864,990	\$1,387,820	\$222,000	\$200,000	\$45,000	\$493,830	\$263,000	\$1,490	\$5,376,430	\$750,600	\$6,127,030
STEWARDSHIP														
Direct AOAM														
Space Rental	3,474	1,887	3,608	3,310	3,806	3,244	265	1,258	1,357			\$22,209	\$4,071	\$26,280
PC&B	24,106	13,086	25,025	22,959	26,402	22,499	1,837	8,724	9,413			\$154,051	\$28,239	\$182,290
Distributed AOAM	1,540	836	1,598	1,466	1,687	1,437	117	557	601			\$9,839	\$1,804	\$11,643
Direct AOAM Subtotals	\$29,120	\$15,809	\$30,231	\$27,735	\$31,895	\$27,180	\$2,219	\$10,539	\$11,371			\$186,099	\$34,114	\$220,213
Indirect AOAM Cost Allocation	8,645	4,693	8,975	8,235	9,468	8,069	659	3,129	3,376			\$55,249	\$10,128	\$65,377
Direct & Indirect AOAM Subtotals	\$37,765	\$20,502	\$39,206	\$35,970	\$41,363	\$35,249	\$2,878	\$13,668	\$14,747			\$241,348	\$44,242	\$285,590
NSB Allocation	\$533	\$289	\$553	\$508	\$583	\$497	\$41	\$193	\$208			\$3,405	\$624	\$4,030
OIG Allocation	\$1,633	\$887	\$1,696	\$1,555	\$1,789	\$1,524	\$124	\$591	\$638			\$10,437	\$1,913	\$12,350
NSF TOTAL	\$680,931	\$595,678	\$724,755	\$903,023	\$1,431,555	\$259,270	\$203,043	\$59,452	\$509,423	\$263,000	\$1,490	\$5,631,620	\$797,379	\$6,429,000

FY 2008 FULL BUDGETARY COSTING

Table 2: Allocation by Discovery, Learning, and Research Infrastructure (Dollars in Thousands)

Total Directorate FY 2008	BIO	CISE	ENG	GEO	MPS	SBE	OCI	OISE	OPP	IA	USARC	R&RA	EHR	TOTAL
Discovery	480,169	504,911	633,549	434,279	895,935	194,084	15,129	41,888	110,354	134,528	1,490	3,446,316	76,611	3,522,928
Learning	50,335	49,669	57,299	33,066	67,497	11,015	4,103	17,564	5,586	9,217		305,351	703,565	1,008,916
Research Infrastructure	150,427	41,098	33,907	435,678	468,123	54,171	183,811		393,483	119,255		1,879,953	17,203	1,897,156
FULL BUDGETARY COST	\$680,931	\$595,678	\$724,755	\$903,023	\$1,431,555	\$259,270	\$203,043	\$59,452	\$509,423	\$263,000	\$1,490	\$5,631,620	\$797,379	\$6,429,000

Totals may not add due to rounding.

¹The FY 2008 Request for R&RA includes \$107.0 million for EPSCoR. Prior to FY 2008, EPSCoR was funded through the Education and Human Resources appropriation.

