

DEPARTMENT OF HEALTH AND HUMAN SERVICES
NATIONAL INSTITUTES OF HEALTH
Buildings and Facilities

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NATIONAL INSTITUTES OF HEALTH

Buildings and Facilities

For the study of, construction or demolition of, renovation of, and acquisition of equipment for, facilities of or used by NIH, including the acquisition of real property, \$98,615,000, to remain available through September 30, 2022.

NATIONAL INSTITUTES OF HEALTH
Buildings & Facilities

Amounts Available for Obligation
(Dollars in Thousands)

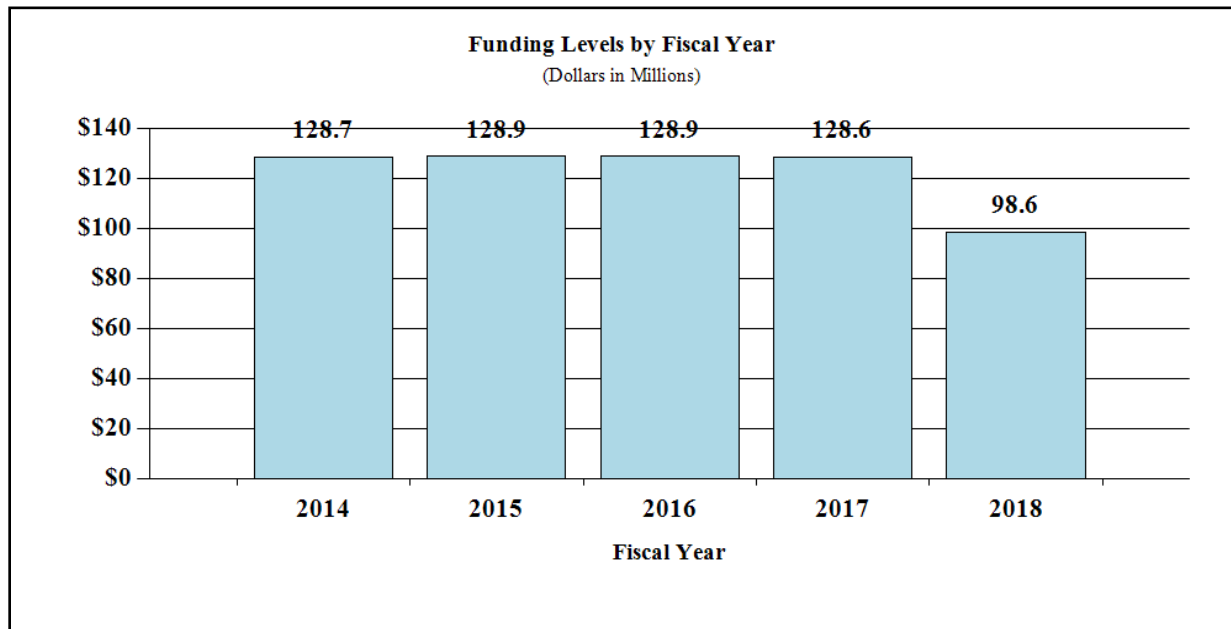
Source of Funding	FY 2016 Actual ²	FY 2017 Annualized CR ²	FY 2018 President's Budget
Appropriation	\$128,863	\$128,863	\$98,615
Rescission	0	245	0
Sequestration	0	0	0
Supplemental	0	0	0
Subtotal, adjusted appropriation	\$128,863	\$128,618	\$98,615
Recovery of prior year obligations	\$0	0	0
Unobligated balance, start of year	\$45,758	\$48,734	0
Subtotal, adjusted budget authority	\$174,621	\$177,352	\$98,615
Total Obligation	\$174,621	\$177,352	\$98,615
Unobligated balance, end of year	\$0	0	0
Unobligated balance lapsing	0	0	0

¹ Excludes the following amounts for reimbursable activities carried out by this account:
FY 2016 - \$2,500 FY 2017 - \$2,500 FY 2018 \$2,500

² This display aggregates the X-year account and five-year accounts

Fiscal Year 2018 Budget Graphs

History of Budget Authority:



NATIONAL INSTITUTES OF HEALTH
Buildings & Facilities

Budget Authority by Activity¹
(Dollars in Thousands)

	FY 2016 Final		FY 2017 Annualized CR		FY 2018 President's Budget		FY 2018 +/- FY2017	
<u>Extramural Research</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
<u>Detail</u>								
Electrical Power Reliability for the CCC (Design and								\$0
Emergency Power Generation for Chilled Water								0
Replace R22 Refrigerant Chillers								0
Fire Alarm CCC								0
Replace Clinical Center Patient and Visitor Parking								0
Assure/Expand Chilled Water Capacity, Bethesda		0		0		0		0
Clinical Center E Wing (Decommissioning and		62,100		0		0		0
Emergency Power Generation for Chilled Water		1,077		0		0		0
Replacement Refrigerant Chiller		1,540		0		0		0
Global Neglected and Infectious Diseases (Building 29B)		2,000		20,000		0		-20,000
Decommissioning		2,000		3,200		3,200		0
Fire Alarm Upgrade for the Clinical Center Complex		1,250		200		0		-200
Repairs & Improvements		58,896		105,218		95,415		-9,803
Subtotal, Extramural		\$128,863		\$128,618		\$98,615		-\$30,003
Intramural Research	0	\$0	0	\$0	0	\$0	0	\$0
Research Management & Support	0	\$0	0	\$0	0	\$0	0	\$0
TOTAL	0	\$128,863	0	\$128,618	0	\$98,615	0	-\$30,003

NATIONAL INSTITUTES OF HEALTH
Buildings & Facilities

Authorizing Legislation

	PHS Act/ Other Citation	U.S. Code Citation	2017 Amount Authorized	FY 2017 Annualized CR	2018 Amount Authorized	FY 2018 President's Budget
Research and Investigation	Section 301	42§241	Indefinite	\$128,618,000	Indefinite	\$98,615,000
Buildings & Facilities	Section 401(a)	42§281	Indefinite		Indefinite	
Total, Budget Authority				\$128,618,000		\$98,615,000

NATIONAL INSTITUTES OF HEALTH
Buildings & Facilities

Appropriations History

Fiscal Year	Budget Estimate to Congress	House Allowance	Senate Allowance	Appropriation
2008	\$136,000,000	\$121,081,000	\$121,081,000	\$121,081,000
Rescission				\$2,115,000
2009	\$125,581,000	\$125,581,000	\$146,581,000	\$125,581,000
Rescission				\$0
2009 ARRA				
2010	\$125,581,000	\$125,581,000	\$100,000,000	\$100,000,000
Rescission				\$0
2011	\$125,581,000		\$125,420,000	\$50,000,000
Rescission				\$100,000
2012	\$125,581,000	\$125,581,000	\$125,581,000	\$125,581,000
Rescission				\$237,348
2013	\$125,308,000		\$125,308,000	\$125,343,652
Rescission				\$250,687
Sequestration				(\$6,291,389)
2014	\$126,111,000		\$125,308,000	\$128,663,000
Rescission				\$0
2015	\$128,663,000			\$128,863,000
Rescission				\$0
2016	\$128,863,000	\$132,640,000	\$128,863,000	
Rescission				\$0
2017 ¹	\$128,863,000			\$128,863,000
Rescission				\$245,000
2018	\$98,615,000			

¹ Budget Estimate to Congress includes mandatory financing.

Justification of Budget Request

Buildings and Facilities

Authorizing Legislation: Section 301 and title IV of the Public Health Services Act, as amended.

Budget Authority:

	FY 2016 Actual	FY 2017 Annualized CR	FY 2018 President's Budget	FY 2018 +/- FY 2017
BA	\$128,863,000	\$128,618,000	\$98,615,000	-\$30,003,000
Total Obligations	\$174,621,000	\$177,352,000	\$98,615,000	-\$78,737,000

Director's Overview

America's continuing leadership in conducting biomedical research requires infrastructure and facilities that are safe, in compliance with all laws and regulations, and conducive to cutting-edge research and research support. The functions of these buildings includes the Clinical Research Center (CRC), which includes 240 inpatient beds and 82 day-hospital stations; biosafety level 3 and 4 high containment facilities; the largest government-owned utility generation and distribution system; biomedical research laboratories; animal holding facilities, and buildings housing research support activities. The NIH strives to balance new facilities needed to support the study of emerging health threats and leverage innovative research opportunities with the need to remain responsible stewards of the existing research facilities.

In addition to construction, another major component of the B&F appropriation is the Repair & Improvement (R&I) program, which enables NIH to maintain and improve the performance of existing facilities throughout their life cycle. As responsible stewards of its 282 existing buildings, a key aspect of NIH's strategy is to sustain the condition of existing facilities to prevent deterioration and the curtailment of research, by raising the average Condition Index, a function of the ratio of the cost of needed repairs to the replacement value at a specific point in time, to 90 or greater. As of September 16, 2016, the average CI of NIH facilities is 81.48.

Table 1 - Summary of B&F Funding by Program Activity FY 2007 through FY 2018

Year	Construction	Essential Safety and Regulatory Compliance	Physical Security	Repairs and Improvements	Renovations	Equipment/ Systems/ Enabling	Total
FY 2007	3,200,000	14,500,000	-	65,881,000	-	-	83,581,000
FY 2008	30,500,000	15,500,000	-	72,966,000	-	-	118,966,000
FY 2009	61,500,000	17,500,000	-	46,581,000	-	-	125,581,000
FY 2009 ARRA	428,000,000	-	-	72,000,000	-	-	500,000,000
FY 2010	16,000,000	16,000,000	-	68,000,000	-	-	100,000,000
FY 2011	-	1,127,000	-	48,773,000	-	-	49,900,000
FY 2012	10,400,000	16,000,000	-	98,908,000	-	-	125,308,000
FY 2013	7,350,000	16,250,000	-	94,509,000	-	-	118,109,000
FY 2014	28,630,000	-	-	100,033,000	-	-	128,663,000
FY 2015	78,210,000	-	-	50,653,000	-	-	128,863,000
FY 2016	85,467,000	-	-	43,396,000	-	-	128,863,000
FY 2017	3,200,000	-	-	125,663,000	-	-	128,863,000
FY 2018	3,200,000	-	-	95,415,000	-	-	98,615,000

Overall Budget Policy:

The FY 2018 President's Budget request is \$98.615 million, which is a \$30.003 million reduction to the FY 2017 Annualized CR level. This request provides funds for repairs and improvements to existing facilities and funding for decommissioning activities under the Construction Program.

Table 2 - Summary of FY 2018 Request

Year	Construction	Essential Safety and Regulatory Compliance	Physical Security	Repairs and Improvements	Renovations	Equipment/ Systems/ Enabling	Total
FY 2018	3,200,000	-	-	95,415,000	-	-	98,615,000

Program Descriptions and Accomplishments

The B&F FY 2018 budget request supports the ongoing repairs and improvements to previous investments and any required concept development studies, essential safety and regulatory compliance activities, and decommissioning activities in FY 2018. The following program is included in the B&F tables and is described below:

Repairs and Improvements (R&I) Program: The requested resources will support repairs and improvements to the physical plant, building structures, utility systems, roads, and grounds at all the sites in which NIH has an asset interest. These funds will be used to sustain efficient and effective performance of NIH's real property assets to meet ongoing and projected research requirements and to offset the deterioration and obsolescence caused by age and use.

We identify projects for the R&I program using NIH facilities and program staff recommendations, various facilities studies, and ongoing facilities assessments performed on each building on a three year cycle by a firm experienced in facility assessment methodology. Once we identify potential B&F projects, we rank the projects using a decision model with input from program officials and subject matter experts to ensure our focus is on the most critical projects within available resources. The R&I Board, comprised of senior facilities personnel, makes final project selections. Facilities infrastructure improvements are necessary to meet shifting research priorities and to meet NIH and HHS goals for improving the condition of NIH buildings. Such efforts include upgrading building systems, extending utility infrastructure, and implementing other capital repairs to the buildings and infrastructures to extend their useful life.

This request specifically supports: the continued repair and upgrade of deteriorated infrastructure, including steam and chilled water distribution systems; structural repairs to older buildings that we may continue using effectively; upgrading plumbing systems; repairing elevators; upgrading heating, ventilating, and air conditioning systems; replacing deteriorated fan coil units in multiple facilities. This request supports improvements to address evolving research requirements.

This program supports a comprehensive program of repairs and improvements to ensure compliance with stringent Association for the Assessment and Accreditation of Laboratory Animal Care standards.

The requested funds will provide decommissioning, demolition, design, construction, construction quality management, and commissioning services for these repairs and improvements.

Decommissioning This program allows for decommissioning activities at all NIH owned sites. The program conducts environmental audits of NIH construction projects to identify potentially hazardous conditions and, when warranted, remediates construction waste materials could pose a health and safety threat to NIH employees, visitors, and contractors, or the general public and the environment. Decommissioning is an ongoing B&F goal; for the past several years, ORF has assessed the decommissioning requirements for each project and used the funds to address any issues