

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, \$128,863,000, to remain available through September 30, [2020]2021.

**Buildings and Facilities**

**Amounts Available for Obligation <sup>1</sup>**  
(Dollars in Thousands)

<b>Source of Funding</b>	<b>FY 2015 Actual <sup>2</sup></b>	<b>FY 2016 Enacted<sup>2</sup></b>	<b>FY 2017 President's Budget</b>
Appropriation	\$128,863	\$128,863	\$128,863
Rescission	0	0	0
Sequestration	0	0	0
Supplemental	0	0	0
Subtotal, adjusted appropriation	\$128,863	\$128,863	\$128,863
Recovery of prior year obligations	\$23,493	0	0
Unobligated balance, start of year	\$56,783	\$45,758	0
Subtotal, adjusted budget authority	\$209,139	\$174,621	\$128,863
<b>Total Obligation</b>	<b>\$163,381</b>	<b>\$174,621</b>	<b>\$128,863</b>
Unobligated balance, end of year	\$45,758	0	0
Unobligated balance lapsing	0	0	0

<sup>1</sup> Excludes the following amounts for reimbursable activities carried out by this account:  
FY 2015 - \$0    FY 2016 - \$2,500    FY 2017 - \$2,500

<sup>2</sup> This display aggregates the X-year account and five-year accounts

## **Major Changes in the Fiscal Year 2017 President's Budget Request**

Major changes by budget activity are briefly described below. The FY 2017 Buildings and Facilities (B&F) President's Budget request remains flat with the FY 2016 Enacted level of \$128.863 million.

### Repairs and Improvements (+\$82.267 million; total \$125.663 million):

The NIH-wide Repairs and Improvements (R&I) program goal is to sustain efficient and effective facility performance throughout the life cycle of facilities. NIH develops annual program investment levels to help ensure the full service life of its facilities and components. This requested funding level supports NIH's efforts to maintain research requirements.

**National Institutes of Health  
Buildings and Facilities**

**Summary of Changes  
(Dollars in Thousands)**

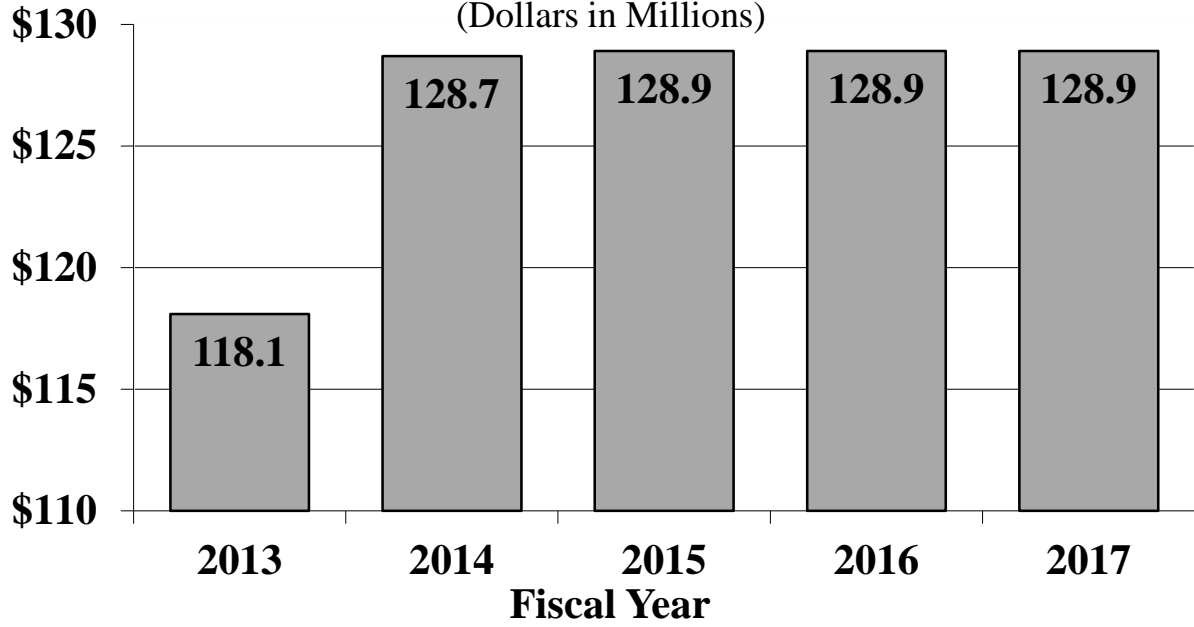
FY 2016 Enacted			\$128,863
FY 2017 President's Budget			\$128,863
Net change			-
	FY 2016 Enacted	FY 2017 President's Budget	FY 2017 +/- FY 2016
<u>Increases:</u>			
A. <u>Program:</u>			
1. Decommissioning	\$2,000	\$3,200	\$1,200
2. Repairs and Improvements	43,396	125,663	82,267
<b>Total Increases</b>	<b>\$45,396</b>	<b>\$128,863</b>	<b>\$83,467</b>
<u>Decreases:</u>			
A. <u>Program:</u>			
1. Clinical Center E Wing (Decommissioning and Relocations)	\$62,100		-\$62,100
2. Global Neglected and Infectious Diseases (Building 29B)	17,500		-17,500
3. Replacement Refrigerant Chiller	1,540		-1,540
4. Emergency Power Generation for Chilled Water	1,077		-1,077
5. Fire Alarm Upgrade for the Clinical Center Complex	1,250		-1,250
<b>Total Decreases</b>	<b>\$83,467</b>		<b>-\$83,467</b>

NATIONAL INSTITUTES OF HEALTH

Buildings and Facilities

**Funding Levels by Fiscal Year**

(Dollars in Millions)



**Budget Authority by Activity**  
(Dollars in Thousands)

Project	FY 2015 Actual	FY 2016 Enacted	FY 2017 President's Budget	Change FY 2016 to FY 2017
<u>Activities:</u>				
<b>Construction</b>				
Assure/Expand Chilled Water Capacity, Bethesda	\$78,210			
Clinical Center E Wing (Decommissioning and Relocations)		\$62,100		-\$62,100
Emergency Power Generation for Chilled Water		1,077		-1,077
Replacement Refrigerant Chiller		1,540		-1,540
Global Neglected and Infectious Diseases (Building 29B)		17,500		-17,500
Decommissioning		2,000	3,200	1,200
Fire Alarm Upgrade for the Clinical Center Complex		1,250		-1,250
Repairs & Improvements	50,653	43,396	125,663	82,267
<b>Total budget authority</b>	<b>128,863</b>	<b>128,863</b>	<b>128,863</b>	<b>0</b>
Unobligated balance, start of year	56,783	45,758	0	-45,758
Recovery of Prior Year Obligations	23,493	0	0	0
Unobligated balance, end of year	-45,758	0	0	0
Total obligations *	\$163,381	\$174,621	\$128,863	-\$45,758

\* Buildings and Facilities includes funds only appropriated to this account. Some NIH Institutes and Centers also budget for facilities renovations and associated construction costs in other operating mechanisms, which are not reflected in this table. The HHS Facilities Manual provides specific guidelines for use of operating funds.

**NATIONAL INSTITUTES OF HEALTH  
Buildings and Facilities**

**Authorizing Legislation**

	<b>PHS Act/ Other Citation</b>	<b>U.S. Code Citation</b>	<b>2016 Amount Authorized</b>	<b>FY 2016 Enacted</b>	<b>2017 Amount Authorized</b>	<b>FY 2017 President's Budget</b>
Research and Investigation	Section 301	42§241	Indefinite	} \$128,863,000	Indefinite	} \$128,863,000
Buildings and Facilities	Section 401(a)	42§281	Indefinite		Indefinite	
<b>Total, Budget Authority</b>				<b>\$128,863,000</b>		<b>\$128,863,000</b>



**NATIONAL INSTITUTES OF HEALTH  
Buildings and Facilities**

**Appropriations History**

Fiscal Year	Budget Estimate to Congress	House Allowance	Senate Allowance	Appropriation
2007	\$81,081,000	\$81,081,000	\$81,081,000	\$81,081,000
Rescission				\$0
Transfer				\$2,500,000 <sup>1</sup>
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
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)
Transfer				(\$35,709)
2013	\$125,308,000	-	\$125,308,000	\$125,343,652
Rescission				(\$250,687)
Transfer				(\$693,026)
Sequestration				(\$6,291,389)
2014	\$126,111,000	-	\$125,308,000	\$128,663,000
2015	\$128,663,000	-	\$128,863,000	\$128,863,000
2016	\$128,863,000	\$132,640,000	\$128,863,000	\$128,863,000
2017	\$128,863,000			

<sup>1</sup> Reflects NIH Director's transfer of \$2,500,000 from NIAID appropriation for the Modular Animal Vivarium Facility.

## 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 2015 Actual	FY 2016 Enacted	FY 2017 President's Budget	FY 2017 +/- FY 2016
BA	\$128,863,000	\$128,863,000	\$128,863,000	\$0
Total Obligations	\$163,381,000	\$174,621,000	\$128,863,000	-\$45,758,000

### 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 (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.

A major component of the Buildings & Facilities (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, while raising the average Condition Index (CI), which is 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.

Table 1 is a summary of the funding for B&F from FY 2007 through FY 2017

**Table 1 - Summary of B&F Funding by Program Activity FY 2005 through FY 2017**

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

**Overall Budget Policy:**

The FY 2017 President's Budget request is \$128.863 million, which is flat with the FY 2016 Enacted 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 2017 Request**

Year	Construction	Essential Safety and Regulatory Compliance	Physical Security	Repairs and Improvements	Renovations	Equipment/ Systems/ Enabling	Total
FY 2017	3,200,000	-	-	125,663,000	-	-	128,863,000

## Program Descriptions and Accomplishments

The B&F FY 2017 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 2017. 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.

### Budget Policy:

The FY 2017 President's Budget request is \$125.663 million.

**Construction:** Due to the age and use of NIH facilities, NIH must invest a significant amount of funds in removing contaminants and hazardous waste before construction or capital repairs can begin in most of its buildings. We have created a decommissioning activity that will allow NIH to segregate and track those costs more accurately. It will also allow NIH to track what contaminants we are clearing from each of our buildings. This data will help us do a better job

of anticipating the cost and time required to decommission for new projects in the same or similar buildings.

Budget Policy:

The FY 2017 President's Budget request is \$3.200 million.

**National Institutes of Health  
Buildings and Facilities**

**Budget Authority by Object Class**

<b>OBJECT CLASS</b>	<b>FY 2016 Enacted</b>	<b>FY 2017 President's Budget</b>	<b>FY 2017 +/- FY 2016</b>
<b>Operations &amp; Maintenance of Facilities (25.4)</b>	128,863	128,863	-
<b>Obligations</b>	174,621	128,863	(45,758)
<b>Total budget authority by object</b>	128,863	128,863	-
<b>Total obligations by object</b>	174,621	128,863	(45,758)