



CENTER FOR ARMS CONTROL AND NON-PROLIFERATION



FISCAL YEAR 2019 DEFENSE SPENDING REQUEST BRIEFING BOOK

www.armscontrolcenter.org

February 2018

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The Fiscal Year 2019 Budget in Context

Introduction

President Trump's Fiscal Year 2019 budget requests \$617.1 billion for the Defense Department's annual "base" discretionary budget, which is more than \$90 billion higher than FY 18 enacted levels. This amount does not include certain other security spending, including funding for nuclear weapons-related work in the Department of Energy. Nor does it include an additional request of \$69.0 billion for the Pentagon's portion of the Overseas Contingency Operations (OCO) account – also referred to as "war funding."

Including all of these accounts, the total national defense discretionary spending request is \$714.9 billion (see Table 1).¹ As an uncapped account, the OCO fund is often used to push military and other spending above the maximum levels allowed by law.

Nuclear Modernization and Non-Proliferation

The request increases funding for nuclear weapons refurbishment plans, which aim to overhaul and maintain the entire nuclear arsenal at a cost of approximately \$1.7 trillion over 30 years, adjusted for inflation. This plan includes funding for a new long-range bomber, a new nuclear-capable cruise missile, a new ballistic missile submarine program, an updated land-based intercontinental ballistic missile (ICBM), and their associated warheads. Actualizing these plans will likely result in decreased funding for conventional military capabilities.

The budget also proposes a \$50 million cut to the Defense Nuclear Nonproliferation account compared to the amount estimated for FY 2018. These cuts include a \$6 million reduction of the Global Material Security program, which works to reduce and protect vulnerable nuclear and radiological material located around the globe, and a further \$19 million cut for nonproliferation research and development.

The President's Request

Discretionary Defense Request for Fiscal Year 2019

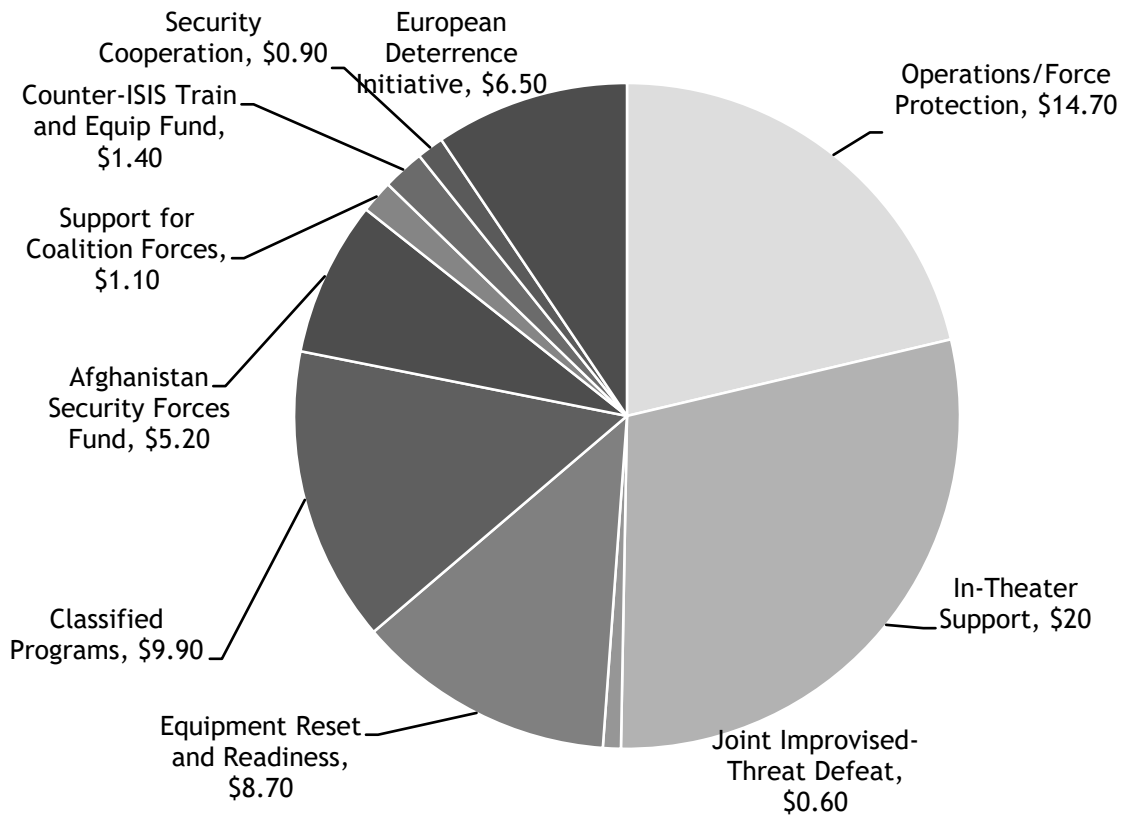
(in billions of current dollars)

FY 2018 Estimate:	FY 2019 Funding Request:	Allocated to:
523.7	617.1	Department of Defense Base Budget (051)
83.4	69.0	Overseas Contingency Operations (War Funding)
19.8	20.5	Defense Related Activities at DOE (053)*
8.0	8.3	Other Defense Related Funding (054)*
634.9 (+4.7 Supplemental)	714.9	Total National Defense Spending Request (050)

*Data provided by the White House Office of Management and Budget

Fiscal Year 2019 Overseas Contingency Operations

(in billions of current dollars)



National Defense Spending by Selected Years

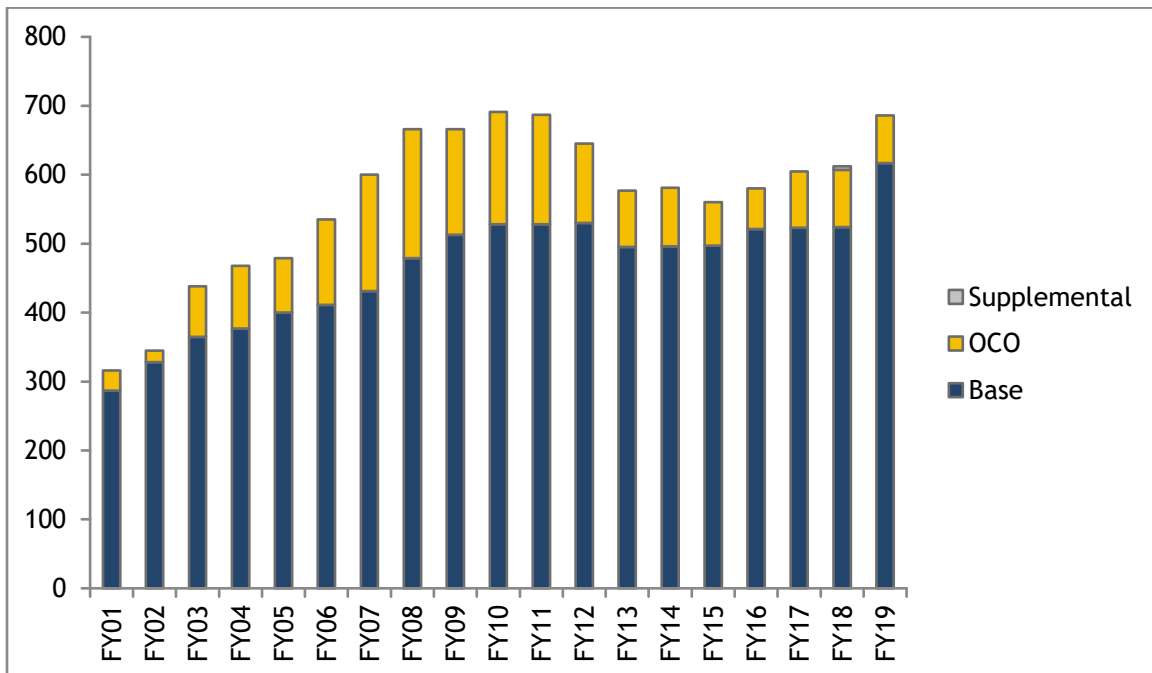
*Provided by the Office of Management and Budget

Time Period	FY Enacted:	National Defense Spending: (in billions of 2009 dollars*)
World War II	1945	994
Korean War Peak Spending	1953	532
Vietnam War Peak Spending	1968	524
Peak 1980's Buildup Spending	1989	538
Proposed Current Spending	2019	590

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Department of Defense Topline Since FY 2001

(in billions of then-year dollars)



Fiscal Year 2019 Base + OCO Discretionary Defense Request by Function

(in billions of current dollars)

FY 2018 Estimate:	FY 2019 Funding Request:	Allocated to:	Delta FY17-FY18
139.8	152.9	Military Personnel	+13.1
261.6	283.5	Operations & Maintenance	+21.9
125.6	144.3	Procurement	+18.8
74.6	92.4	Research and Development (RDT&E)	+17.8
8.3	11.4	Construction/Family Housing	+3.1
1.9	1.6	Revolving & Management Funds	-0.3
611.8	686.1	Total*	+74.3

*Estimate due to rounding

Fiscal Year 2019 Base + OCO Discretionary Defense Request by Service

(in billions of current dollars)

FY 2018 Estimate:	FY 2019 Funding Request:	Allocated to:	Delta FY17-FY18
158.4	182.0	Army	+23.6
173.0	194.1	Navy	+21.1
170.2	194.2	Air Force	+24.0
110.3	115.8	Defense-Wide	+5.5
611.8	686.1	Total*	+74.3

*Estimate due to rounding

Nuclear Weapons and Non-Proliferation

Fiscal Year 2019 Request for National Nuclear Security Administration (NNSA) (in billions of current dollars)

FY 2018 Estimate:	FY 2019 Funding Request:	Allocated to:
1.9	1.9	Defense Nuclear Nonproliferation
9.2	11.0	Weapons Activities
0.4	0.4	Federal Salaries and Expenses
1.3	1.8	Naval Reactors
12.8	15.1	Total NNSA Request*

*Estimate due to rounding

Fiscal Year 2019 Request for Defense Nuclear Nonproliferation (DNN) (in millions of current dollars)

FY 2018 Estimate:	FY 2019 Funding Request:	Allocated to:
326.0	318.0	Global Material Security
287.0	332.0	Material Management and Minimization
332.0	279.0	Nonproliferation Construction
124.0	130.0	Nonproliferation and Arms Control
475.0	456.0	Nonproliferation Research and Development
276.0	319.0	Nuclear Counterterrorism and Incident Response Program
83.0	29.0	Legacy Contractor Pensions
2.0	0.0	Global Threat Reduction Initiative
1,905.0	1,863.0	Total Defense Nuclear Non-Total DNN Total*

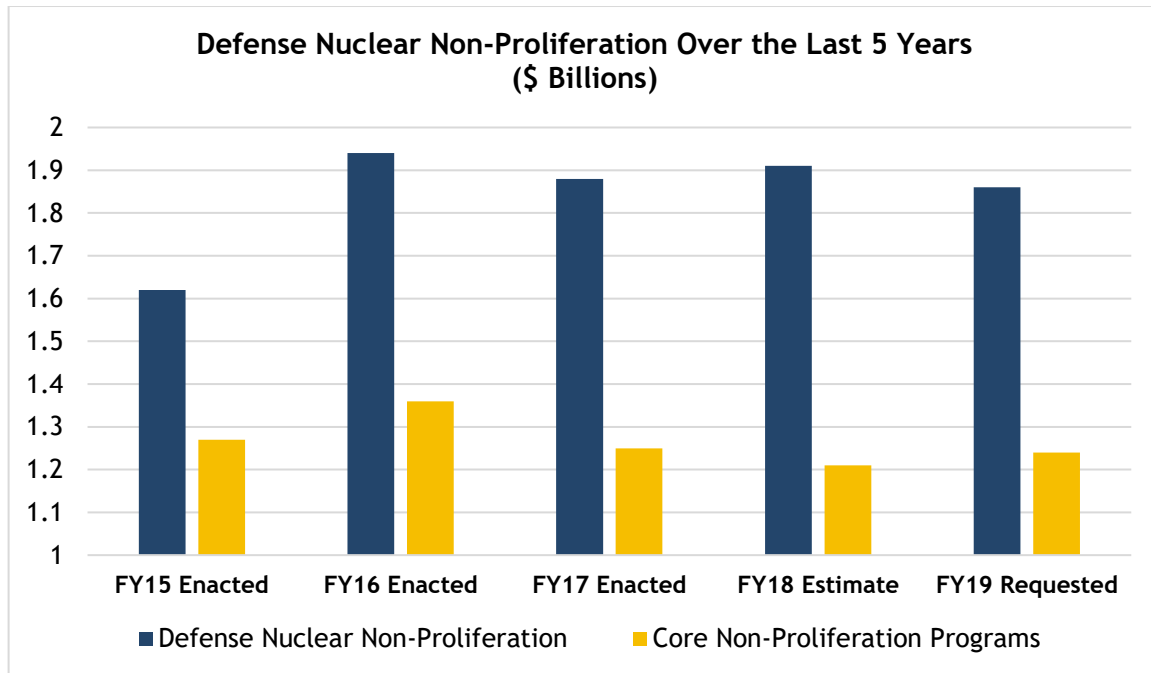
*Estimate due to rounding

Review of DNN Funding Over Last Five Years

	FY15 Enacted	FY16 Enacted	FY17 Enacted	FY18 Estimate	FY19 Requested	FY19 vs. FY18
Defense Nuclear Non- Proliferation	\$1.62 billion	\$1.94 billion	\$1.88 billion	\$1.91 billion	\$1.86 billion	- \$50 million
Core Non- Proliferation Programs*	\$1.27 billion	\$1.36 billion	\$1.25 billion	\$1.21 billion	\$1.24 billion	+ \$30 million

*Includes Global Material Security, Material Management and Minimization, Nonproliferation and Arms Control, Nonproliferation R&D.

Review of DNN Funding over last Five Years



Request for Fiscal Year 2019 Selected Nuclear Weapons

(in millions of current dollars)

FY 2018 Request:	FY 2019 Request:	Allocated to:
2,003.6	2,314.2	Long Range Strike Bomber*
1,884.5	3,710.3	Ohio Submarine Replacement Program (Columbia Class)
179.5	253.9	B61 Tail Kit Assembly
1,270.0	1,236.5	Trident II Ballistic Missile Modifications
215.7	345.0	Ground Based Strategic Deterrent
451.3	615.0	Long Range Standoff Weapon
220.3	TBD	W80-4 Life Extension Program
222.9	TBD	W76-1 Nuclear Life Extension Program
281.1	TBD	W88 Nuclear Alteration Program

*Long range strike bomber will serve both conventional and nuclear missions

State Department and Foreign Operations

State Department and U.S. Agency for International Development Funding In Billions (\$)			
	FY 17 Actual	FY 18 Request	FY19 Request
State Department/USAID	55.6	37.6	37.8

State Department – Key Department Funding In Millions (\$)			
	FY 17 Actual	FY18 Request	FY19 Request
Peacekeeping Operations	659	301	291
Nonproliferation, Anti-Terrorism, Demining and Related Programs (NADR)	970	679	690
Contributions for International Peacekeeping Activities	1,907	1,196	1,196

State Department – Nonproliferation, Antiterrorism, Demining and Related Programs In Millions (\$)			
	FY17 Actual	FY 18 Request	FY19 Request
Global Threat Reduction	80.0	65.1	67.0
IAEA Voluntary Contribution	94.8	91.9	90.9
Nonproliferation and Disarmament Fund	30.0	5.0	5.0
Terrorist Interdiction Program	33.0	36.0	50.0
CTBT International Monitoring System	30	29	29

Funding for Selected Weapons Systems

AIRCRAFT

System	FY'18 Total Cost	FY'19 Request
F-35 Joint Strike Fighter	\$10,837.9 million (70 aircraft)	\$10,692.5 million (77 aircraft)
F-22 Raptor Fighter	\$915.5 million	\$867.0 million
F/A-18E/F Super Hornet Fighter	\$1,253.1 million (14 aircraft)	\$1,996.4 million (24 aircraft)
V-22 Osprey Tiltrotor Aircraft	\$961.8 million (6 aircraft)	\$1,280.1 million (7 aircraft)
C-130J Hercules Military Transport Aircraft	\$886.1 million (9 aircraft)	\$1,571.9 million (10 aircraft)
AH-64E Apache Helicopter	\$1,441.9 million (50 upgrades and 13 new aircraft)	\$1,271.3 million (48 upgrades and 12 new aircraft)
CH-47 Chinook Helicopter	\$415.0 million (6 aircraft)	\$308.0 million (7 aircraft)
UH-60 Black Hawk Helicopter	\$1,059.0 million (48 aircraft)	\$1,420.1 million (68 aircraft)
P-8A Poseidon Anti- Submarine Warfare (ASW) Aircraft	\$1,609.4 million (7 aircraft)	\$2,218.9 million (10 aircraft)
E-2D Advanced Hawkeye Early Warning Aircraft	\$1,116.4 (5 aircraft)	\$1,188.8 million (4 aircraft)
KC-46A Tanker	\$3,052.9 million (15 aircraft)	\$3,013.1 million (15 aircraft)
F-15 Eagle Fighter	\$963.1 million	\$1,067.1 million

SHIPBUILDING

System	FY'18 Total Cost	FY'19 Request
CVN 78 "Ford" Class Nuclear Aircraft Carrier	\$4,638.1 million	\$1,765.9 million
DDG 51 "Arleigh Burke" Destroyer	\$4,013.7 million (2 ships)	\$5,985.6 million (3 ships)
Littoral Combat Ship (LCS)	\$1,653.8 million (2 ships)	\$1,254.4 million (1 ship)
SSN 774 "Virginia" Class Submarine	\$5,546.3 million (2 subs)	\$7,446.4 million (2 subs)

MISSILES/ ORDNANCE

System	FY'18 Total Cost	FY'19 Total Cost
Advanced Medium Range Air-Air Missile (AMRAAM)	\$594.4 million (325 missiles)	\$652.0 million (363 missiles)
Joint Direct Attack Munition (JDAM)	\$874.3 million (34,529 units)	\$1,169.4 million (43,594 units)
Joint Air-to-Surface Standoff Missile (JASSM)	\$471.7 million (360 missiles)	\$552.8 million (360 missiles)
Small Diameter Bomb	\$539.6 million (7,402 units)	\$623.5 million (8,086 units)
Hellfire Missiles	\$711.1 million (7,664 missiles)	\$625.3 million (7,045 missiles)

SELECTED BALLISTIC MISSILE DEFENSE

System	FY'18 Total Cost	FY'19 Total Cost
Ground-Based Midcourse Defense	\$1,944.8 million	\$2,101.8 million
AEGIS BMD	\$2,073.7 million	\$1,669.1 million
THAAD	\$1,289.2 million	\$1,149.3 million
Patriot/PAC-3	\$681.8 million	\$526.6 million
PAC-3/MSE Missile	\$1,106.0 million (240 MSE interceptors)	\$1,131.3 million (240 MSE interceptors)

SPACE-BASED SYSTEMS

System	FY'18 Total Cost	FY'19 Total Cost
Advanced Extremely High Frequency	\$453.0 million	\$768.0 million
Evolved Expendable Launch Vehicle (EELV)	\$1,861.5 million (3 systems)	\$1,950.0 million (5 systems)
Global Positioning System	\$1,120.5 million	\$1,490.7 million
Space Based Infrared System (SBIRS)	\$1,505.3 million	\$842.1 million

GROUND SYSTEMS

System	FY'18 Total Cost	FY'19 Total Cost
Abrams Tank	\$1,213.9 million (56 upgrades)	\$2,657.4 million (135 upgrades)
Joint Light Tactical Vehicle	\$1,142.7 million (2,777 units)	\$1,961.5 million (5,113 units)
Amphibious Combat Vehicle	\$340.5 million	\$265.7 million

UNSTAFFED SYSTEMS

System	FY'18 Total Cost	FY'19 Total Cost
MQ-1B/MQ-1C Predator/Grey Eagle	\$174.4 million (11 units)	\$114.7 million (10 units)
MQ-9 Reaper Unmanned Aerial Vehicle (UAV)	\$1,009.9 million (16 units)	\$911.7 million (29 units)