

Department of Homeland Security

U.S. Coast Guard

Budget Overview



Fiscal Year 2019

Congressional Justification

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U.S. Coast Guard

Appropriation Organization Structure

Organization Name	Level	Fund Type (* Includes Defense Funding)
U.S. Coast Guard	Component	
Operations and Support	Appropriation	
Military Pay and Allowances	PPA	Discretionary - Appropriation
Civilian Pay and Benefits	PPA	Discretionary - Appropriation
Training and Recruiting	PPA	Discretionary - Appropriation*
Operating Funds and Unit Level Maintenance	PPA	Discretionary - Appropriation*
Centrally Managed Accounts	PPA	Discretionary - Appropriation*
Intermediate and Depot Level Maintenance	PPA	Discretionary - Appropriation*
Reserve Training	PPA	Discretionary - Appropriation
Environmental Compliance and Restoration	PPA	Discretionary - Appropriation
Medicare-Eligible Retiree Health Care Fund Contribution	PPA	Discretionary - Appropriation
Procurement, Construction, and Improvements	Appropriation	
Vessels	PPA	
Survey and Design - Vessels and Boats	PPA Level II,Investment	Discretionary - Appropriation
In-Service Vessel Sustainment	PPA Level II,Investment	Discretionary - Appropriation
National Security Cutter	PPA Level II,Investment	Discretionary - Appropriation
Offshore Patrol Cutter	PPA Level II,Investment	Discretionary - Appropriation
Fast Response Cutter	PPA Level II,Investment	Discretionary - Appropriation
Cutter Boats	PPA Level II,Investment	Discretionary - Appropriation
Polar Icebreaker	PPA Level II,Investment	Discretionary - Appropriation
Waterways Commerce Cutter	PPA Level II,Investment	Discretionary - Appropriation
Polar Sustainment	PPA Level II,Investment	Discretionary - Appropriation
Aircraft	PPA	
HC-144 Conversion/Sustainment	PPA Level II,Investment	Discretionary - Appropriation
HC-27J Conversion/Sustainment	PPA Level II,Investment	Discretionary - Appropriation
HC-130J Acquisition/Conversion/Sustainment	PPA Level II,Investment	Discretionary - Appropriation
HH-65 Conversion/Sustainment	PPA Level II,Investment	Discretionary - Appropriation
MH-60T Sustainment	PPA Level II,Investment	Discretionary - Appropriation
Small Unmanned Aircraft Systems	PPA Level II,Investment	Discretionary - Appropriation
Other Acquisition Programs	PPA	
Other Equipment and Systems	PPA Level II,Investment	Discretionary - Appropriation

Department of Homeland Security

U.S. Coast Guard

Organization Name	Level	Fund Type (* Includes Defense Funding)
Program Oversight and Management	PPA Level II,Investment	Discretionary - Appropriation
C4ISR	PPA Level II,Investment	Discretionary - Appropriation
Coast Guard Logistics Information Management System	PPA Level II,Investment	Discretionary - Appropriation
Shore Facilities and Aids to Navigation (ATON)	PPA	
Major Shore, Housing, ATON, Survey and Design	PPA Level II,Investment	Discretionary - Appropriation
Major Acquisition Systems Infrastructure	PPA Level II,Investment	Discretionary - Appropriation
Minor Shore	PPA Level II,Investment	Discretionary - Appropriation
Personnel and Related Support Costs	PPA	Discretionary - Appropriation
Research and Development	Appropriation	Discretionary - Appropriation
Environmental Compliance and Restoration	Appropriation	Discretionary - Appropriation
Reserve Training	Appropriation	Discretionary - Appropriation
Medicare-Eligible Retiree Health Care Fund Contribution	Appropriation	Discretionary - Appropriation
Retired Pay	Appropriation	Mandatory - Appropriation
Boat Safety	Appropriation	Mandatory - Appropriation
Maritime Oil Spill Program	Appropriation	Mandatory - Appropriation
Funds	Appropriation	Mandatory - Appropriation
General Gift Fund	PPA	Mandatory - Appropriation
Yard Fund	PPA	Discretionary - Appropriation
Supply Fund	PPA	Discretionary - Appropriation
Overseas Contingency Operations (OCO)/Global War on Terrorism	Appropriation	Overseas Contingency Operations (OCO)*

U.S. Coast Guard Strategic Context

Component Overview

The strategic context presents the performance budget by tying together strategy, budget resource requests, programs, or PPAs, and performance measures that gauge the delivery of results to our stakeholders. The U.S. Coast Guard has one discretionary appropriation, Operations and Support, to which it's publically reported measures align. These measures are presented in two measure sets, strategic and management measures, and are listed under descriptions for the six U.S. Coast Guard mission programs. Strategic measures communicate results that gauge achievement in mission programs, and are considered Government Performance and Results Act Modernization Act of 2010 (GPRAMA) measures. Additional management measures are displayed to provide a more thorough context of expected performance for the Component related to its budgetary plans.

Maritime Law Enforcement: The Maritime Law Enforcement program preserves America's jurisdictional rights within our maritime borders and enforces U.S. Federal law on, under, and over the seas. The Coast Guard is the lead Federal maritime law enforcement agency for enforcing national and international law on the high seas, outer continental shelf, and inward from the U.S. Exclusive Economic Zone (EEZ) to inland navigable waters, including the Great Lakes. The following statutory missions contribute to the U.S. Coast Guard's Maritime Law Enforcement program: Drug Interdiction; Migrant Interdiction; Living Marine Resources; and Other Law Enforcement.

Strategic Measures

Measure: Fishing regulation compliance rate						
Description: The U.S. Coast Guard uses the percentage of fishing vessels observed at sea complying with domestic regulations as a measure of the Coast Guard's activities and their impact on the health and well-being of U.S. fisheries and marine protected species. This specific measure reflects the percent of boardings at sea by the U.S. Coast Guard during which no significant violations of domestic fisheries regulations are detected.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	96.5%	96.5%	96.5%	97.0%	97.0%	97.0%
Result:	97.5%	97.1%	96.8%	97.1%	TBD	TBD

Measure: Interdiction rate of foreign fishing vessels violating U.S. waters						
Description: This measure reports the percent of detected incursions into the U.S. Exclusive Economic Zone (EEZ) by foreign fishing vessels that are interdicted by the Coast Guard. Preventing illegal foreign fishing vessels from encroaching on the Exclusive Economic Zone (EEZ) is a priority for the Coast Guard. Foreign fishing fleets steal a valuable resource, resulting in a total economic loss to the American public. Protecting the integrity of the nation's maritime borders and ensuring the health of U.S. fisheries is a vital part of the Coast Guard mission.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	---	---	---	---	18.0%	18.0%

Measure: Interdiction rate of foreign fishing vessels violating U.S. waters						
Result:	---	---	---	---	TBD	TBD

Measure: Migrant interdiction effectiveness in the maritime environment						
Description: This measure reports the percent of detected undocumented migrants of all nationalities who were interdicted by the U.S. Coast Guard and partners via maritime routes.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	---	73.0%	74.0%	74.5%	75.0%	75.0%
Result:	---	74.8%	79.3%	83.0%	TBD	TBD

Management Measures

Measure: Number of undocumented migrants who attempt to enter the U.S. via maritime routes that are interdicted						
Description: This measure is the total number of all undocumented migrants who are attempting to enter the U.S. by maritime means and who are interdicted by the U.S. Coast Guard and other law enforcement agencies. The other agencies include Customs and Border Protection, and foreign entities partnering with the U.S. Coast Guard for migrant interdiction operations.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	<6,300	<6,300	<6,300	<6,426	<6,750	<6,750
Result:	7,747	6,028	8,165	3,592	TBD	TBD

Measure: Removal rate for cocaine from non-commercial vessels in maritime transit zone						
Description: Percent of Cocaine removed (seized by the U.S. Coast Guard or disrupted (jettisoned, scuttled or destroyed) as a result of U.S. Coast Guard law enforcement action) in relationship to the estimated Non-Commercial Maritime Movement of cocaine.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	13.9%	13.8%	11.5%	11.5%	10.0%	10.0%
Result:	9.5%	11.5%	7.1%	8.2%	TBD	TBD

Maritime Prevention: The Maritime Prevention program mitigates the risk of human casualties and property losses, minimizes security risks, and protects the marine environment. The following statutory missions contribute to the Coast Guard's Maritime Prevention program: Ports, Waterways, and Coastal Security (PWCS); Marine Safety; and Marine Environmental Protection.

Management Measures

Measure: Three-year average number of chemical discharge incidents in the maritime environment						
Description: This measure is an indicator of the U.S. Coast Guard Program's impact on chemical discharge incidents. It is a moving average of U.S. Coast Guard investigated chemical discharge incidents into navigable waters of the United States for the past 36 months, divided by the 3-year average annual foreign and domestic short tons (100 million) of Chemical and Chemical Products shipped in U.S. waters.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	<=15.9	<=15.8	<=15.8	<=15.5	<=14.6	<=14.5
Result:	15.4	14.2	10.4	8.0	TBD	TBD

Measure: Three-year average number of oil spills in the maritime environment						
Description: This measure is an indicator of the U.S. Coast Guard Prevention Program's impact on significant oil spills. It is a moving average of U.S. Coast Guard investigated oil spills greater than 100 gallons discharged into navigable waters of the United States for the past 36 months, divided by the 3-year average annual foreign and domestic short tons (100 million) of Oil and Oil Products shipped in U.S. waters.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	<=11.3	<=11.1	<=11.0	<=10.9	<=10.3	<=10.2
Result:	10.3	7.8	8.4	9.2	TBD	TBD

Maritime Response: The Maritime Response program mitigates the consequences of marine casualties and disastrous events. The Coast Guard minimizes loss of life, injury, and property loss by searching for and rescuing persons in distress in the maritime environment. Coast Guard preparedness efforts ensure incident response and recovery resources are fully ready and capable to minimize impact of disasters to people, the environment, and the economy. The following statutory missions contribute to the Coast Guard's Maritime Response program: Search and Rescue and Marine Environmental Protection.

Strategic Measures

Measure: Percent of people in imminent danger saved in the maritime environment						
Description: This is a measure of the percent of people who were in imminent danger on the oceans and other waterways and whose lives were saved by U.S Coast Guard. The number of lives lost before and after the U.S Coast Guard is notified and the number of persons missing at the end of search operations are factored into this percentage. Several factors hinder successful response including untimely distress notification to the U.S Coast Guard, incorrect distress site location reporting, severe weather conditions at the distress site, and distance to the scene.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	100.0%	100.0%	100.0%	100.0%	80.0%	80.0%
Result:	79.0%	80.0%	79.4%	78.8%	TBD	TBD

Measure: Three-year average number of serious marine incidents						
Description: This measure reports the three-year average number of Serious Marine Incidents as defined by 46 CFR 4.03-2, which include: death or injury requiring professional treatment beyond first aid, reportable property damage greater than \$100,000, actual or constructive loss of certain vessels, discharge of oil of 10,000 gallons or more; or a discharge of a reportable quantity of a hazardous substance.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	---	<=693	<=701	<=698	<=698	<=698
Result:	---	696	688	684	TBD	TBD

Management Measures

Measure: Five-year average number of navigational accidents						
Description: This measure evaluates the long-term trend of U.S. Coast Guard Waterways Management Program in preventing collisions, allisions (vessels striking fixed objects), and groundings.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	<=2,043	<=2,038	<=1,900	<=1,890	<=1,749	<=1,727
Result:	1,846	1,788	1,617	1,475	TBD	TBD

Measure: Percent of time rescue assets are on-scene within 2 hours						
Description: Time on scene is calculated from the earliest time a Search and Rescue Unit (SRU) is requested to proceed until the earliest time of arrival on scene of an SRU. This includes readiness time, the 30 minutes of preparation time, that provides for underway preps (i.e. engine warm-ups, underway checklist, risk management evaluation, and mission planning) and the transit time, the 90 minutes from underway to on scene based on moderate environmental conditions which allow for operation of the SRUs at their top cruise speeds. To calculate the response times used in the measure, the Coast Guard uses the following equation: Time On Scene = First Sortie On Scene Time minus First Resource Requested Time. The Coast Guard established the 2-hour On Scene Standard in the 1970's and conducted a full review of the standard in 1992. The standard is based on survival expectations in the average weighted water temperatures. The weighting factors into the varying number of incidents occurring regionally.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	100%	100%	100%	100.0%	100.0%	100.0%
Result:	95.0%	96.0%	90.3%	90.7%	TBD	TBD

Measure: Three-year average number of commercial mariner deaths and significant injuries						
Description: This is a measure of the average annual number of reportable commercial mariner deaths and significant injuries over the past 12 quarters. It is an indicator of the long-term performance impact of the Coast Guard's Maritime Prevention Program on commercial mariner fatalities and injuries.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	---	<=153	<=148	<=142	<=133	<=132
Result:	---	135	120	119	TBD	TBD

Measure: Three-year average number of commercial passenger deaths and significant injuries						
Description: This is a measure of the average annual number of reportable commercial passenger deaths and significant injuries over the past 12 quarters. It is an indicator of the long-term performance impact of the Coast Guard's Maritime Prevention Program on commercial passenger fatalities and injuries.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	---	<=173	<=173	<=172	<=134	<=132
Result:	---	135	115	97	TBD	TBD

Measure: Three-year average of recreational boating deaths						
Description: The three-year average annual number of recreational boating fatalities.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	---	---	---	---	605	602
Result:	---	---	---	---	TBD	TBD

Maritime Security Operations: The Maritime Security Operations program encompasses activities required by legislative, executive, and policy mandates to detect, deter, prevent, disrupt, and recover from terrorist attacks and other criminal acts in the maritime domain. It includes the execution of antiterrorism, response, and select recovery operations. This program conducts the operational element of the Coast Guard's Ports, Waterways, and Coastal Security mission and complements the other two elements: the establishment and oversight of maritime security governance and maritime domain awareness.

Strategic Measures

Measure: Number of breaches at high risk maritime facilities						
Description: This measure reports the number of breaches of security incidents at facilities subject to the Maritime Transportation Security Act (MTSA) where no Transportation Security Incident has occurred, but established security measures have been circumvented, eluded or violated. MTSA facilities are a high risk subset of the national waterfront facility population given the nature of their activities and/or the products they handle; which pose a greater risk for significant loss of life, environmental damage, or economic disruption if attacked. MTSA regulated facilities constitute a more than 3400 high-risk subset of all waterfront facilities. They are facilities that handle certain dangerous cargoes, liquid natural gas or transfer oil or hazardous materials in bulk; or receive foreign cargo vessels greater than 100 gross tons, U.S. cargo vessels greater than 100 gross tons carrying certain dangerous cargoes, or vessels carrying more than 150 passengers.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	---	---	---	---	<=235	<=219
Result:	---	---	---	---	TBD	TBD

Management Measures

Measure: Annual Maritime Transportation Security Act (MTSA) Facility compliance rate with Transportation Worker Identification Credential (TWIC) regulations						
Description: This measure reports the percent of Maritime Transportation Security Act (MTSA) regulated facilities that are found to be in compliance with the Transportation Worker Identification Card (TWIC) regulations during CG inspections. The Security and Accountability for Every (SAFE) Port Act of 2006 requires the Coast Guard to conduct at least two MTSA security inspections on regulated facilities each year; one announced and one unannounced. CG Inspectors randomly sample different areas of a facility (admin staff, security staff, dock workers, etc.) to check for TWIC compliance by ensuring workers have a valid and current TWIC card. Some infractions can be corrected on the spot, e.g., a trucker forgot his TWIC in his truck cab. Depending on the number and severity of TWIC infractions, the inspector/Capt of the Port may find the facility not in compliance. Statistical guidelines have been developed based on the size of the facility to aid inspectors, and to ensure random sampling.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	99%	99%	99%	99%	99%	99%
Result:	99%	99%	99%	99%	TBD	TBD

Measure: Percent reduction of all maritime security risk subject to U.S. Coast Guard influence						
Description: This is a risk-based outcome measure that begins with an assessment (by maritime security subject matter experts) of sixteen high-consequence maritime terrorist attack scenarios. Threat, vulnerability, and consequence levels are estimated for each scenario, which generates a proxy (index) value of "raw risk" that exists in the maritime domain. Next, U.S. Coast Guard interventions (security and response operations, regime and awareness activities) for the fiscal year are scored against the scenarios with regard to the decreases in threat, vulnerability and consequence that each has been estimated to have afforded. (The analysis then focuses on those areas within the U.S. Coast Guard's roles and strategic mandates.) The resulting measure is a proxy measure of performance. Targets were updated in FY16 due to a revised methodology.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	37%	37%	56%	56%	56%	56%
Result:	55%	58%	44%	49%	TBD	TBD

Measure: Percent reduction of maritime security risk resulting from U.S. Coast Guard consequence management						
Description: This measure indicates the estimated % of terrorist-related maritime risk reduction due to consequence mgmt, as a % of the risk that USCG has the ability to impact. This is a risk-based measure that involves the scoring (by maritime security subject matter experts) of sixteen high-consequence maritime terrorist attack scenarios with respect to threat, vulnerability, & consequence. Aggregation of maritime security risk scenarios generates an index of "raw risk" that exists in the maritime domain. USCG layered interventions (both operational & regulatory-based) employed throughout the FY are scored against the attack scenarios with regard to the % consequence after a modeled attack has occurred. The resultant measure shows the reduction in "raw risk" from USCG consequence mitigation efforts alone.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	4%	5%	4%	4%	4%	4%
Result:	3%	4%	1%	2%	TBD	TBD

Measure: Percent reduction of maritime security risk resulting from U.S. Coast Guard efforts to prevent a terrorist entering the U.S. via maritime means						
Description: This measure is an estimate of the percent of terrorist-related maritime risk reduction of the illegal entry of a terrorist(s) through the maritime domain (as a percent of the risk that the USCG has the ability to impact). This is a risk-based measure that involves the scoring (by maritime security subject matter experts) with respect to threat, vulnerability and consequence of the illegal entry of a terrorist(s) into the U.S. with intent and capability to carry out terror attacks within the United States where vessels en route from foreign countries are used as a means of conveyance. Such scoring generates an index of "raw risk" that exists in the maritime domain. Next, USCG incremental interventions (awareness, operational and regulatory-based) that have taken place throughout the fiscal year are scored with regard to the effectiveness each has been estimated to have afforded. Targets were updated in FY16 due to a revised methodology.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	35%	35%	58%	58%	58%	58%
Result:	42%	59%	59%	59%	TBD	TBD

Measure: Percent reduction of maritime security risk resulting from U.S. Coast Guard efforts to prevent a weapon of mass destruction from entering the United States via maritime means						
Description: This measure is an estimate of the percent of terrorist-related maritime risk reduction of the illegal entry of a Weapon of Mass Destruction (WMD)/materials into the U.S. through the maritime domain (as a percent of the risk that the USCG has the ability to impact). This is a risk-based measure that involves the scoring (by maritime security subject matter experts) with respect to threat, vulnerability and consequence of the illegal entry of a WMD/materials into the United States to support ongoing terrorist operations where vessels enroute from foreign countries are used as a means of conveyance. Scoring generates an index of "raw risk" that exists in the maritime domain. USCG incremental interventions (awareness, operational and regulatory-based) that have taken place throughout the fiscal year are scored with regard to the effectiveness that each has been estimated to have afforded. Targets were updated in FY16 due to a revised methodology.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	25%	25%	39%	39%	39%	39%
Result:	56%	39%	42%	44%	TBD	TBD

Maritime Transportation Systems Management: The Marine Transportation System Management program ensures a safe, secure, efficient and environmentally sound waterways system. The U.S. Coast Guard minimizes disruptions to maritime commerce by assessing and mitigating risks to safe navigation and by providing waterways restoration capabilities after extreme weather events, marine accidents, or terrorist incidents. The U.S. Coast Guard works in concert with other Federal agencies, state and local governments, marine industries, maritime associations, and the international community to optimize balanced use of the Nation's marine transportation system. The following statutory missions contribute to the U.S. Coast Guard's Marine Transportation System Management program: Aids to Navigation and Ice Operations.

Strategic Measures

Measure: Availability of maritime navigation aids						
Description: This measure indicates the hours that short-range federal Aids to Navigation are available. The aid availability rate is based on an international measurement standard established by the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) (Recommendation O-130) in December 2004. A short-range Aid to Navigation is counted as not being available from the initial time a discrepancy is reported until the time the discrepancy is corrected.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%
Result:	98.2%	97.7%	97.7%	97.5%	TBD	TBD

Management Measures

Measure: Percent of time high priority waterways in the Great Lakes and along the eastern seaboard are open during ice season						
Description: This measure is the percent of time Tier One Waterways, in the Great Lakes and along the eastern seaboard, are open to vessel transits during the icebreaking season as a percentage of the total. Tier One waterways are those connecting waterways of the Marine Transportation System that waterways managers at Coast Guard District commands determine are highest-priority due to geographical location or importance of cargo to public health and safety.						
Fiscal Year:	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Target:	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%
Result:	85.5%	81.9%	100%	99.9%	TBD	TBD

Defense Operations: The Defense Operations program exercises the Coast Guard's unique authorities and capabilities to support the National Military Strategy and DOD Combatant Commanders. The program portfolio comprises of eight activities, including: Maritime Interdiction Operations; Combating Maritime Terrorism; Port Operations Security and Defense; Military Environmental Response Operations; Coastal Sea Control Operations; Maritime Operational Threat Response (MOTR); Rotary Wing Air Intercept Operations; and Support for Theater Security Cooperation Initiatives. The following statutory mission contributes to the Coast Guard's Defense Operations program: Defense Operations.

The Coast Guard does not report any strategic measures or management measures for the Defense Operations mission program. Defense operations activities contribute to strategic and management measures reported for other mission programs.

U.S. Coast Guard Budget Comparison and Adjustments

Budget Comparison with FY 2018 Annualized CR

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 Annualized CR	FY 2018 President's Budget	FY 2019 President's Budget
Operations and Support	\$6,916,936	\$6,869,963	\$7,213,464	\$7,792,498
Military Pay and Allowances	\$3,544,111	\$3,544,111	\$3,711,095	\$3,851,095
Civilian Pay and Benefits	\$808,969	\$808,969	\$851,178	\$929,385
Training and Recruiting	\$196,346	\$196,346	\$190,668	\$187,991
Operating Funds and Unit Level Maintenance	\$995,519	\$948,546	\$895,518	\$907,894
Centrally Managed Accounts	\$328,746	\$328,746	\$142,788	\$143,641
Intermediate and Depot Level Maintenance	\$1,043,245	\$1,043,245	\$1,422,217	\$1,442,048
Reserve Training	-	-	-	\$117,655
Environmental Compliance and Restoration	-	-	-	\$13,429
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	-	\$199,360
Procurement, Construction, and Improvements	\$1,370,007	\$1,360,703	\$1,203,745	\$1,166,750
Vessels	\$787,900	\$779,383	\$877,100	\$823,750
Survey and Design - Vessels and Boats	\$9,500	\$9,500	\$1,500	\$500
In-Service Vessel Sustainment	\$94,000	\$94,000	\$60,500	\$63,250
National Security Cutter	\$255,400	\$246,883	\$54,000	\$65,000
Offshore Patrol Cutter	\$75,000	\$75,000	\$500,000	\$400,000
Fast Response Cutter	\$325,000	\$325,000	\$240,000	\$240,000
Cutter Boats	\$4,000	\$4,000	\$1,000	\$5,000
Polar Icebreaker	\$25,000	\$25,000	\$19,000	\$30,000
Waterways Commerce Cutter	-	-	\$1,100	\$5,000
Polar Sustainment	-	-	-	\$15,000
Aircraft	\$307,300	\$307,300	\$82,600	\$148,000
HC-144 Conversion/Sustainment	\$25,500	\$25,500	-	\$17,000
HC-27J Conversion/Sustainment	\$130,000	\$130,000	\$52,000	\$80,000
HC-130J Acquisition/Conversion/Sustainment	\$111,800	\$111,800	\$5,600	-
HH-65 Conversion/Sustainment	\$40,000	\$40,000	\$22,000	\$20,000
MH-60T Sustainment	-	-	\$2,500	\$25,000
Small Unmanned Aircraft Systems	-	-	\$500	\$6,000

Department of Homeland Security

U.S. Coast Guard

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 Annualized CR	FY 2018 President's Budget	FY 2019 President's Budget
Other Acquisition Programs	\$59,355	\$59,355	\$50,800	\$60,000
Other Equipment and Systems	\$8,055	\$8,055	\$4,000	\$3,500
Program Oversight and Management	\$20,000	\$20,000	\$15,000	\$20,000
C4ISR	\$24,300	\$24,300	\$22,000	\$23,300
Coast Guard Logistics Information Management System	\$7,000	\$7,000	\$9,800	\$13,200
Shore Facilities and Aids to Navigation (ATON)	\$99,519	\$99,519	\$75,000	\$135,000
Major Shore, Housing, ATON, Survey and Design	\$44,519	\$44,519	\$10,000	\$30,000
Major Acquisition Systems Infrastructure	\$50,000	\$50,000	\$60,000	\$100,000
Minor Shore	\$5,000	\$5,000	\$5,000	\$5,000
Personnel and Related Support Costs	\$115,933	\$115,146	\$118,245	-
Research and Development	\$36,319	\$36,072	\$18,641	\$19,109
Environmental Compliance and Restoration	\$13,315	\$13,225	\$13,397	-
Reserve Training	\$112,302	\$111,539	\$114,875	-
Medicare-Eligible Retiree Health Care Fund Contribution	\$175,506	\$204,136	\$195,784	-
Retired Pay	\$1,666,940	\$1,691,824	\$1,690,824	\$1,734,844
Boat Safety	\$113,049	\$113,049	\$118,416	\$114,682
Maritime Oil Spill Program	\$101,000	\$101,000	\$101,000	\$101,000
Funds	\$2,829	\$2,214	\$2,864	\$2,864
General Gift Fund	\$2,829	\$2,214	\$2,864	\$2,864
Overseas Contingency Operations (OCO)/Global War on	\$162,692	\$162,692	-	-
Total	\$10,670,895	\$10,666,417	\$10,673,010	\$10,931,747

U.S. Coast Guard

Comparison of Budget Authority and Request

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Operations and Support	48,452	48,259	\$6,916,936	48,677	47,181	\$7,213,464	50,141	48,541	\$7,792,498	1,464	1,360	\$579,034
Procurement, Construction, and Improvements	914	897	\$1,370,007	914	835	\$1,203,745	-	-	\$1,166,750	(914)	(835)	(\$36,995)
Research and Development	96	96	\$36,319	96	83	\$18,641	96	83	\$19,109	-	-	\$468
Environmental Compliance and Restoration	25	24	\$13,315	25	23	\$13,397	-	-	-	(25)	(23)	(\$13,397)
Reserve Training	416	416	\$112,302	416	409	\$114,875	-	-	-	(416)	(409)	(\$114,875)
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$175,506	-	-	\$195,784	-	-	-	-	-	(\$195,784)
Retired Pay	-	-	\$1,666,940	-	-	\$1,690,824	-	-	\$1,734,844	-	-	\$44,020
Boat Safety	14	14	\$113,049	19	19	\$118,416	19	19	\$114,682	-	-	(\$3,734)
Maritime Oil Spill Program	-	-	\$101,000	-	-	\$101,000	-	-	\$101,000	-	-	-
Funds	-	-	\$2,829	-	-	\$2,864	-	-	\$2,864	-	-	-
Overseas Contingency Operations (OCO)/Global War on Terrorism	-	366	\$162,692	-	-	-	-	-	-	-	-	-
Total	49,917	50,072	\$10,670,895	50,147	48,550	\$10,673,010	50,256	48,643	\$10,931,747	109	93	\$258,737
Subtotal Discretionary - Appropriation	49,903	49,692	\$8,624,385	50,128	48,531	\$8,759,906	50,237	48,624	\$8,978,357	109	93	\$218,451
Subtotal Mandatory - Appropriation	14	14	\$1,883,818	19	19	\$1,913,104	19	19	\$1,953,390	-	-	\$40,286
Subtotal Overseas Contingency Operations (OCO)	-	366	\$162,692	-	-	-	-	-	-	-	-	-

*In FY 2019, USCG is transitioning to the DHS Common Appropriations Structure (CAS). FY 2017 and FY 2018 data reflect funding levels for legacy appropriations. Conversion to CAS results in the consolidation of legacy EC&R, RT, and MERHCF appropriations and acquisition personnel funding into O&S.

Component Budget Overview

The Coast Guard is the only branch of the U.S. Armed Forces within the Department of Homeland Security (DHS) and the principal Federal agency responsible for maritime safety, security, and environmental stewardship in U.S. ports and inland waterways, along more than 95,000 miles of U.S. coastline, throughout the 4.5 million square miles of U.S. Exclusive Economic Zone (EEZ), and on the high seas. A military service, law enforcement agency, first responder during natural disasters, and member of the U.S. Intelligence Community, the Coast Guard supports DOD Combatant Commanders on all seven continents, secures our maritime borders, combats transnational criminal organizations, and safeguards the \$4.6 trillion U.S. maritime economy. The Service leverages an expansive array of military, interagency, international, and industrial relationships to maximize strategic effect and support DHS and National priorities.

The FY 2019 President's Budget sustains the most critical Coast Guard operations and continues the Service's highest priority recapitalization efforts for cutters, boats, aircraft, systems, and infrastructure. The Budget funds 50,256 positions; 48,643 FTE; and \$10.9B to fund all 11 statutory Coast

Guard missions. In FY 2019, the Coast Guard continues to efficiently allocate budgetary resources to optimize performance across all Coast Guard mission programs and activities.

FY 2019 funding supports construction of the second Offshore Patrol Cutter (OPC) and Long Lead Time Material (LLTM) for the third. Furthermore, the Budget continues efforts on the heavy polar icebreaker program to meet growing demands in the Polar Regions, as well as funds the service-life extension of the POLAR STAR, the Nation's only heavy icebreaker in service. In addition to surface recapitalization efforts, FY 2019 funding continues sustainment and conversion work on in-service fixed and rotary wing aircraft, including missionization of the C-27J aircraft received from the Air Force, and investment in Small Unmanned Aircraft Systems (sUAS), which have proven to be highly effective in the Western Hemisphere transit zone.

The FY 2019 President's Budget resources the Coast Guard to conduct today's highest priority operations in support of national objectives. In 2019, the Coast Guard will accept delivery of more capable, modernized assets, including one National Security Cutter, six Fast Response Cutters, and two HC-130J aircraft – the Budget provides the resources to operate and maintain these new assets.

In total, the FY 2019 Budget enables the Coast Guard to increase its workforce by 109 positions and 93 FTE to better facilitate mission success. The Budget also maintains parity with DOD for military pay (including providing a 2.6 percent military pay raise in 2019), allowances, and health care, and for civilian benefits and retirement contributions.

The U.S. Coast Guard also plans to transition to the Department's Common Appropriations Structure in FY 2019. As part of that effort, activities previously funded through the Operating Expenses (OE), Environmental Compliance and Restoration (EC&R), Reserve Training (RT), Medicare-Eligible Retiree Health Care Fund Contribution (MERHCFC) appropriations, as well as acquisition personnel costs, are funded within the new Operations and Support (O&S) appropriation. The Acquisitions, Construction, and Improvements (AC&I) appropriation transitions to the new Procurement, Construction, and Improvements (PC&I) appropriation. Additionally, the Research, Development, Test, and Evaluation (RDT&E) appropriation transitions to the new Research and Development (R&D) appropriation.

U.S. Coast Guard Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$10,670,895	\$10,673,010	\$10,931,747
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$1,633,221	\$1,350,399	\$662,623
Rescissions to Current Year/Budget Year	(\$71,856)	-	-
Net Sequestered Resources	(\$143)	\$491	\$14,278
Supplementals	\$1,500	-	-
Total Budget Authority	\$12,233,617	\$12,023,900	\$11,608,648
Collections – Reimbursable Resources	\$637,451	\$532,819	\$515,087
Total Budget Resources	\$12,871,068	\$12,556,719	\$12,123,735
Obligations (Actual/Projections/Estimates)	\$10,818,098	\$12,208,795	\$11,090,693
Personnel: Positions and FTE			
Enacted/Request Positions	49,917	50,147	50,256
Enacted/Request FTE	50,072	48,550	48,643
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	49,184	51,668	51,868
FTE (Actual/Estimates/Projections)	48,943	49,956	50,149

U.S. Coast Guard

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Operations and Support	48,452	48,259	\$3,795,333	\$78.44	48,677	47,181	\$3,932,984	\$83.07	50,141	48,541	\$4,446,657	\$91.38	1,464	1,360	\$513,673	\$8.31
Procurement, Construction, and Improvements	914	897	\$105,831	\$117.84	914	835	\$108,074	\$128.99	-	-	-	-	(914)	(835)	(\$108,074)	(\$128.99)
Research and Development	96	96	\$11,296	\$117.6	96	83	\$12,136	\$146.04	96	83	\$12,287	\$147.96	-	-	\$151	\$1.92
Environmental Compliance and Restoration	25	24	\$3,282	\$136.75	25	23	\$3,334	\$144.91	-	-	-	-	(25)	(23)	(\$3,334)	(\$144.91)
Reserve Training	416	416	\$88,101	\$211.56	416	409	\$96,305	\$234.57	-	-	-	-	(416)	(409)	(\$96,305)	(\$234.57)
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$175,506	-	-	-	\$195,784	-	-	-	-	-	-	-	(\$195,784)	-
Retired Pay	-	-	\$1,426,000	-	-	-	\$1,457,024	-	-	-	\$1,474,617	-	-	-	\$17,593	-
Boat Safety	14	14	\$2,670	\$190.71	19	19	\$2,786	\$146.63	19	19	\$2,804	\$147.58	-	-	\$18	\$0.95
Overseas Contingency Operations (OCO)/Global War on Terrorism	-	366	\$35,121	\$95.53	-	-	-	-	-	-	-	-	-	-	-	-
Total	49,917	50,072	\$5,643,140	\$84.01	50,147	48,550	\$5,808,427	\$89.33	50,256	48,643	\$5,936,365	\$91.5	109	93	\$127,938	\$2.17
Discretionary - Appropriation	49,903	49,692	\$4,179,349	\$83.9	50,128	48,531	\$4,348,617	\$89.3	50,237	48,624	\$4,458,944	\$91.48	109	93	\$110,327	\$2.18
Mandatory - Appropriation	14	14	\$1,428,670	\$190.71	19	19	\$1,459,810	\$146.63	19	19	\$1,477,421	\$147.58	-	-	\$17,611	\$0.95
Overseas Contingency Operations (OCO)	-	366	\$35,121	\$95.53	-	-	-	-	-	-	-	-	-	-	-	-

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$642,163	\$675,769	\$681,708	\$5,939
11.3 Other than Full-Time Permanent	\$4,213	\$4,091	\$4,603	\$512
11.5 Other Personnel Compensation	\$21,993	\$18,418	\$24,191	\$5,773
11.6 Military Personnel-Basic Allowance for Housing	\$804,625	\$813,221	\$860,141	\$46,920
11.7 Military Personnel	\$2,057,959	\$2,111,920	\$2,150,234	\$38,314
11.8 Special Personal Services Payments	\$7,053	\$7,657	\$7,381	(\$276)
12.1 Civilian Personnel Benefits	\$220,627	\$234,733	\$236,742	\$2,009
12.2 Military Personnel Benefits	\$455,067	\$478,690	\$493,137	\$14,447
13.0 Benefits for Former Personnel	\$1,429,440	\$1,463,928	\$1,478,228	\$14,300
Total - Personnel Compensation and Benefits	\$5,643,140	\$5,808,427	\$5,936,365	\$127,938
Positions and FTE				
Positions - Civilian	8,712	8,785	8,857	72
FTE - Civilian	8,244	7,737	7,780	43
Positions - Military	41,205	41,362	41,399	37
FTE - Military	41,828	40,813	40,863	50

U.S. Coast Guard Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Operations and Support	\$3,121,603	\$3,280,480	\$3,345,841	\$65,361
Procurement, Construction, and Improvements	\$1,264,176	\$1,095,671	\$1,166,750	\$71,079
Research and Development	\$25,023	\$6,505	\$6,822	\$317
Environmental Compliance and Restoration	\$10,033	\$10,063	-	(\$10,063)
Reserve Training	\$24,201	\$18,570	-	(\$18,570)
Retired Pay	\$240,940	\$233,800	\$260,227	\$26,427
Boat Safety	\$110,379	\$115,630	\$111,878	(\$3,752)
Maritime Oil Spill Program	\$101,000	\$101,000	\$101,000	-
Funds	\$2,829	\$2,864	\$2,864	-
Overseas Contingency Operations (OCO)/Global War on Terrorism	\$127,571	-	-	-
Total	\$5,027,755	\$4,864,583	\$4,995,382	\$130,799
Discretionary - Appropriation	\$4,445,036	\$4,411,289	\$4,519,413	\$108,124
Mandatory - Appropriation	\$455,148	\$453,294	\$475,969	\$22,675
Overseas Contingency Operations (OCO)	\$127,571	-	-	-

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$258,447	\$178,429	\$246,974	\$68,545
22.0 Transportation of Things	\$110,269	\$72,748	\$110,613	\$37,865
23.1 Rental Payments to GSA	\$51,588	\$47,934	\$57,340	\$9,406
23.2 Rental Payments to Others	\$33,577	\$27,372	\$32,549	\$5,177
23.3 Communications, Utilities, and Misc. Charges	\$160,858	\$175,540	\$164,031	(\$11,509)
24.0 Printing and Reproduction	\$3,400	\$4,186	\$3,540	(\$646)
25.1 Advisory and Assistance Services	\$333,961	\$240,272	\$218,923	(\$21,349)
25.2 Other Services from Non-Federal Sources	\$449,779	\$619,139	\$553,691	(\$65,448)
25.3 Other Goods and Services from Federal Sources	\$313,477	\$259,503	\$285,247	\$25,744
25.4 Operation and Maintenance of Facilities	\$207,397	\$200,039	\$210,085	\$10,046
25.5 Research and Development Contracts	\$5,812	\$2,279	\$952	(\$1,327)
25.6 Medical Care	\$553,319	\$597,610	\$607,863	\$10,253
25.7 Operation and Maintenance of Equipment	\$705,836	\$690,421	\$665,453	(\$24,968)
25.8 Subsistence & Support of Persons	\$5,082	\$5,293	\$3,985	(\$1,308)
26.0 Supplies and Materials	\$714,997	\$630,109	\$637,871	\$7,762
31.0 Equipment	\$903,608	\$909,973	\$934,133	\$24,160
32.0 Land and Structures	\$105,949	\$90,071	\$150,634	\$60,563
41.0 Grants, Subsidies, and Contributions	\$107,441	\$112,505	\$108,899	(\$3,606)
42.0 Insurance Claims and Indemnities	\$2,958	\$1,160	\$2,599	\$1,439
Total - Non Pay Object Classes	\$5,027,755	\$4,864,583	\$4,995,382	\$130,799

U.S. Coast Guard
Supplemental Budget Justification Exhibits
Working Capital Fund

Appropriation and PPA <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Operations and Support	\$77,579	\$78,745	\$70,842
Operating Funds and Unit Level Maintenance	\$7,293	\$7,354	\$4,401
Centrally Managed Accounts	\$70,286	\$70,091	\$65,042
Intermediate and Depot Level Maintenance	-	\$1,300	\$1,399
Total Working Capital Fund	\$77,579	\$78,745	\$70,842

Status of Congressionally Requested Studies, Reports and Evaluations

Fiscal Year	Due Date	Reference/Citation	Requirement	Status
2014	15 days after completion	(P. L. 113-76) Consolidated Appropriations Act, 2014	Polar Icebreaker Alternative Analyses	Delivered January 23, 2018
2017	June 5, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Boat Expenditure Plan	Delivered June 5, 2017
2017	June 19, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Minor Construction Projects (FY 2017)	Delivered August 8, 2017
2017	June 30, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Capital Investment Plan	Delivered October 19, 2017
2017	August 3, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Alaskan Asset Replacement Plan and Coverage	Delivered August 8, 2017
2017	August 3, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Commercial Fishing Safety Training Grant Program	Delivered October 19, 2017
2017	August 3, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Polar Icebreaker Requirements – Signed by DOD	Delivered February 13, 2017
2017	August 3, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Sexual Assaults: Expedited Transfer and Special Victims Counsel Program	Delivered July 27, 2017
2017	October 25, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Bering Sea and Arctic Ocean Pollution Response	Under Development
2017	October 25, 2017	(P. L. 115-31) Consolidated Appropriations Act, 2017	Arctic Search and Rescue	Under Development

U.S. Coast Guard Authorized/Unauthorized Appropriations

Budget Activity <i>Dollars in Thousands</i>	Last year of Authorization	Authorized Level	Appropriation in Last Year of Authorization 2017 Enacted	FY 2019 President's Budget
	Fiscal Year	Amount	Amount	Amount
Operating Expenses ¹	2017	6,981,036	7,079,628	7,792,498
Acquisition, Construction, and Improvements ²	2017	1,945,000	1,370,007	1,166,750
Research, Development, Test, and Evaluation ³	2017	19,890	36,319	19,109
Environmental Compliance and Restoration ⁴	2017	16,701	13,315	-
Reserve Training ⁵	2017	140,016	112,302	-
Total Direct Authorization/Appropriation	-	9,102,643	8,611,571	8,978,357

¹ To transition the Coast Guard to CAS, the OE appropriation name changes to O&S in the FY 2019 President's Budget. The O&S request in the FY 2019 President's Budget includes the RT appropriation; the EC&R appropriation; the MERHCFC appropriation; and PC&I personnel costs.

² To transition the Coast Guard to CAS, the AC&I appropriation name changes to PC&I in the FY 2019 President's Budget. The PC&I request in the FY 2019 President's Budget reflects the transfer of acquisition personnel costs to O&S.

³ To transition the Coast Guard to CAS, the RDT&E appropriation name changes to R&D in the FY 2019 President's Budget.

⁴ To transition the Coast Guard to CAS, the EC&R appropriation is displayed as a PPA under the O&S appropriation in the FY 2019 President's Budget.

⁵ To transition the Coast Guard to CAS, the RT appropriation is displayed as a PPA under the O&S appropriation in the FY 2019 President's Budget.

U.S. Coast Guard Proposed Legislative Language Operations and Support

For necessary expenses *of the Coast Guard for operations and support, including* [for the operations and maintenance of the Coast Guard, not otherwise provided for;]¹ *environmental compliance and restoration functions under chapter 19 of title 14, United States Code; the Coast Guard Reserve, as authorized by law; accrual of the Coast Guard's military Medicare-eligible retiree health care fund contribution;*² purchase or lease of not to exceed 25 passenger motor vehicles, which shall be for replacement only; purchase or lease of small boats for contingent and emergent requirements (at a unit cost of no more than \$700,000) and repairs and service-life replacements, not to exceed a total of \$31,000,000; purchase, lease, or improvements of other equipment (at a unit cost of no more than \$250,000); minor shore construction projects not exceeding \$1,000,000 in total cost on any location; payments pursuant to section 156 of Public Law 97–377 (42 U.S.C. 402 note; 96 Stat. 1920); and recreation and welfare; [\$7,213,464,000]\$7,792,498,000;³ *of which \$13,429,000 shall remain available until September 30, 2023 to carry out the environmental compliance and restoration functions of the Coast Guard;*⁴ of which \$340,000,000 shall be for defense-related activities; of which \$24,500,000 shall be derived from the Oil Spill Liability Trust Fund to carry out the purposes of section 1012(a)(5) of the Oil Pollution Act of 1990 (33 U.S.C. 2712(a)(5)); and of which not to exceed \$23,000 shall be for official reception and representation expenses.

Language Provision	Explanation
¹ ... <i>of the Coast Guard for operations and support, including</i> [for the operations and maintenance of the Coast Guard, not otherwise provided for;]	Updated language to reflect name change from OE to O&S to transition to CAS.
² ... <i>environmental compliance and restoration functions under chapter 19 of title 14, United States Code; the Coast Guard Reserve, as authorized by law; accrual of the Coast Guard's military Medicare-eligible retiree health care fund contribution;</i>	Added language to include environmental compliance and restoration functions, the Coast Guard Reserve, and accrual of the Coast Guard's military Medicare-eligible retiree health care fund contribution.
³ ... [\$7,213,464,000]\$7,792,498,000	Dollar change only. No substantial change proposed.
⁴ ... <i>of which \$13,429,000 shall remain available until September 30, 2023 to carry out the environmental compliance and restoration functions of the Coast Guard;</i>	Added language to update period of availability of environmental compliance and restoration funding.

Environmental Compliance and Restoration

[For necessary expenses to carry out the environmental compliance and restoration functions of the Coast Guard under chapter 19 of title 14, United States Code, \$13,397,000, to remain available until September 30, 2022.]¹

Language Provision	Explanation
¹ ...[For necessary expenses to carry out the environmental compliance and restoration functions of the Coast Guard under chapter 19 of title 14, United States Code, \$13,397,000, to remain available until September 30, 2022.]	Deleted EC&R language. Language is included in the O&S appropriation.

Reserve Training

[For necessary expenses of the Coast Guard Reserve, as authorized by law; for operations and maintenance of the Coast Guard reserve program; personnel and training costs; and equipment and services; \$114,875,000.]¹

Language Provision	Explanation
¹ ... [For necessary expenses of the Coast Guard Reserve, as authorized by law; for operations and maintenance of the Coast Guard reserve program; personnel and training costs; and equipment and services; \$114,875,000.]	Deleted RT language. Language is included in the O&S appropriation.

Procurement, Construction, and Improvements

For necessary expenses of the Coast Guard for [acquisition]*procurement*,¹ construction,[renovation,]² and improvements, *including aids to navigation, shore facilities (including facilities at Department of Defense installations used by the Coast Guard), vessels, and aircraft, including equipment related thereto; and* [, including]³ maintenance, rehabilitation, lease, and operation of facilities and equipment; as authorized by law; [\$1,203,745,000]*\$1,166,750,000*;⁴ of which \$20,000,000 shall be derived from the Oil Spill Liability Trust Fund to carry out the purposes of section 1012(a)(5) of the Oil Pollution Act of 1990 (33 U.S.C. 2712(a)(5)); and of which the following amounts shall be available until September 30, [2022]*2023*:⁵ [(except as subsequently specified): \$878,100,000] *\$823,750,000*⁶ to acquire, effect major repairs to, renovate, or improve vessels, small boats, and related equipment; [\$82,600,000]*\$148,000,000*⁷ to acquire, effect major repairs to, renovate, or improve aircraft and related equipment or increase aviation capability; [\$49,800,000] *\$60,000,000*⁸ for other acquisition programs and related equipment; [\$75,000,000]*and \$135,000,000*⁹ for shore facilities and aids to navigation, and related equipment, including facilities at Department of Defense installations used by the Coast Guard[; and \$118,245,000, to remain available until September 30, 2018, for personnel compensation and benefits and related costs].¹⁰

Language Provision	Explanation
¹ ... [acquisition] <i>procurement</i>	Updated language to reflect name change from AC&I to PC&I to transition to CAS.
² ... [renovation,]	Updated language to reflect name change from AC&I to PC&I to transition to CAS.
³ ... , <i>including aids to navigation, shore facilities (including facilities at Department of Defense installations used by the Coast Guard), vessels, and aircraft, including equipment related thereto; and</i> [, including]	Updated language to align with FY 2017 DHS Appropriations Act language.
⁴ ... [\$1,203,745,000] <i>\$1,166,750,000</i>	Dollar change only. No substantial change proposed.
⁵ ... [2022] <i>2023</i>	Fiscal year change only. No substantial change proposed.
⁶ ... [(except as subsequently specified): \$878,100,000] <i>\$823,750,000</i>	Dollar change only. No substantial change proposed.
⁷ ... [\$82,600,000] <i>\$148,000,000</i>	Dollar change only. No substantial change proposed.
⁸ ... [\$49,800,000] <i>\$60,000,000</i>	Dollar change only. No substantial change proposed.
⁹ ... [\$75,000,000] <i>and \$135,000,000</i>	Dollar change only. No substantial change proposed.
¹⁰ ... [; and \$118,245,000, to remain available until September 30, 2018, for personnel compensation and benefits and related costs]	Deleted personnel compensation and benefits and related cost language. All acquisition personnel costs transferred to the O&S appropriation to transition to CAS.

Research and Development

For necessary expenses of the Coast Guard for applied research, development, test, and evaluation; and for maintenance, rehabilitation, lease, and operation of facilities and equipment; as authorized by law; [\$18,641,000]*\$19,109,000*,¹ to remain available until September 30, [2020]*2021*,² of which \$500,000 shall be derived from the Oil Spill Liability Trust Fund to carry out the purposes of section 1012(a)(5) of the Oil Pollution Act of 1990 (33 U.S.C. 2712(a)(5)): Provided, That there may be credited to and used for the purposes of this appropriation funds received from State and local governments, other public authorities, private sources, and foreign countries for expenses incurred for research, development, testing, and evaluation.

Language Provision	Explanation
¹ ... [\$18,641,000] <i>\$19,109,000</i>	Dollar change only. No substantial change proposed.
² ... [2020] <i>2021</i>	Fiscal year change only. No substantial change proposed.

Retired Pay

For retired pay, including the payment of obligations otherwise chargeable to lapsed appropriations for this purpose; payments under the Retired Serviceman's Family Protection and Survivor Benefits Plans; payment for career status bonuses, concurrent receipts, combat-related special compensation, as authorized by law; and payments for medical care of retired personnel and their dependents under chapter 55 of title 10, United States Code, [\$1,690,824,000]*\$1,734,844,000*,¹ to remain available until expended.

Language Provision	Explanation
¹ ... [\$1,690,824,000] <i>\$1,734,844,000</i>	Dollar change only. No substantial change proposed.

U.S. Coast Guard Collections - Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>		FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture	Source	-	-	-	-	-	-	11	7	\$838	11	7	\$838
Operations and Support	Location	-	-	-	-	-	-	11	7	\$838	11	7	\$838
Military Pay and Allowances	Location	-	-	-	-	-	-	7	5	\$553	7	5	\$553
Civilian Pay and Benefits	Location	-	-	-	-	-	-	4	2	\$211	4	2	\$211
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$27	-	-	\$27
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$33	-	-	\$33
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$14	-	-	\$14
Department of Commerce - Department of Commerce	Source	8	8	\$1,213	8	8	\$1,233	8	8	\$2,628	-	-	\$1,395
Operations and Support	Location	8	8	\$1,213	8	8	\$1,233	8	8	\$2,628	-	-	\$1,395
Military Pay and Allowances	Location	8	8	\$1,213	8	8	\$1,233	6	6	\$887	(2)	(2)	(\$346)
Civilian Pay and Benefits	Location	-	-	-	-	-	-	2	2	\$263	2	2	\$263
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$35	-	-	\$35
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$1,429	-	-	\$1,429
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$14	-	-	\$14
Department of Defense - Department of Defense	Source	598	587	\$61,048	610	607	\$63,171	601	601	\$139,246	(9)	(6)	\$76,075
Operations and Support	Location	598	587	\$61,048	610	607	\$63,171	601	601	\$139,246	(9)	(6)	\$76,075
Military Pay and Allowances	Location	425	428	\$42,335	432	442	\$43,215	567	567	\$60,775	135	125	\$17,560
Civilian Pay and Benefits	Location	173	159	\$18,713	178	165	\$19,956	34	34	\$5,305	(144)	(131)	(\$14,651)
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$1,570	-	-	\$1,570
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$70,511	-	-	\$70,511
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$1,085	-	-	\$1,085
Department of Defense - Navy, Marine Corps	Source	-	-	\$100	-	-	\$50	-	-	-	-	-	(\$50)
Research and Development	Location	-	-	\$100	-	-	\$50	-	-	-	-	-	(\$50)

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Collections <i>(Dollars in Thousands)</i>		FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Defense - Army	Source	-	-	\$200	-	-	-	-	-	-	-	-	-
Research and Development	Location	-	-	\$200	-	-	-	-	-	-	-	-	-
Department of Health and Human Services - Department Wide	Source	-	-	-	-	-	-	17	13	\$1,146	17	13	\$1,146
Operations and Support	Location	-	-	-	-	-	-	17	13	\$1,146	17	13	\$1,146
Military Pay and Allowances	Location	-	-	-	-	-	-	1	1	\$160	1	1	\$160
Civilian Pay and Benefits	Location	-	-	-	-	-	-	16	12	\$905	16	12	\$905
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$15	-	-	\$15
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$43	-	-	\$43
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$23	-	-	\$23
Department of Homeland Security - Department of Homeland Security	Source	123	123	\$17,703	123	123	\$17,475	224	222	\$42,880	101	99	\$25,405
Operations and Support	Location	123	123	\$14,703	123	123	\$14,975	224	222	\$42,880	101	99	\$27,905
Military Pay and Allowances	Location	88	90	\$10,305	87	89	\$10,355	63	61	\$8,682	(24)	(28)	(\$1,673)
Civilian Pay and Benefits	Location	35	33	\$4,398	36	34	\$4,620	161	161	\$15,702	125	127	\$11,082
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$371	-	-	\$371
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$17,729	-	-	\$17,729
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$396	-	-	\$396
Research and Development	Location	-	-	\$3,000	-	-	\$2,500	-	-	-	-	-	(\$2,500)
Independent Agency - Other Independent Agencies	Source	-	-	\$679	-	-	\$1,200	-	-	\$500	-	-	(\$700)
Research and Development	Location	-	-	\$679	-	-	\$1,200	-	-	\$500	-	-	(\$700)
Department of Homeland Security - Federal Emergency Management Agency	Source	-	-	\$18	-	-	\$18	-	-	-	-	-	(\$18)
Operations and Support	Location	-	-	\$18	-	-	\$18	-	-	-	-	-	(\$18)
Operating Funds and Unit Level Maintenance	Location	-	-	\$18	-	-	\$18	-	-	-	-	-	(\$18)
Department of Homeland Security - Science and Technology	Source	-	-	-	-	-	-	-	-	\$1,500	-	-	\$1,500
Research and Development	Location	-	-	-	-	-	-	-	-	\$1,500	-	-	\$1,500
Military Sales Program	Source	-	-	\$80,471	-	-	\$34,000	-	-	\$8,101	-	-	(\$25,899)
Procurement, Construction, and Improvements	Location	-	-	\$80,471	-	-	\$34,000	-	-	\$8,101	-	-	(\$25,899)

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Collections <i>(Dollars in Thousands)</i>		FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Vessels	Location	-	-	\$80,471	-	-	\$34,000	-	-	\$8,101	-	-	(\$25,899)
Military Sales Program	Location	-	-	\$80,471	-	-	\$34,000	-	-	\$8,101	-	-	(\$25,899)
Department of Commerce - National Oceanic and Atmospheric Administration	Source	-	-	\$12	-	-	\$50	-	-	\$50	-	-	-
Funds	Location	-	-	\$12	-	-	\$50	-	-	\$50	-	-	-
Yard Fund	Location	-	-	\$12	-	-	\$50	-	-	\$50	-	-	-
Other Anticipated Reimbursables	Source	31	25	\$2,675	31	25	\$2,718	9	9	\$17,340	(22)	(16)	\$14,622
Operations and Support	Location	31	25	\$2,675	31	25	\$2,718	9	9	\$17,340	(22)	(16)	\$14,622
Military Pay and Allowances	Location	22	18	\$1,811	22	18	\$1,833	2	2	\$246	(20)	(16)	(\$1,587)
Civilian Pay and Benefits	Location	9	7	\$864	9	7	\$885	7	7	\$916	(2)	-	\$31
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$13	-	-	\$13
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$16,150	-	-	\$16,150
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$15	-	-	\$15
Independent Agency - Environmental Protection Agency	Source	7	7	\$2,089	7	7	\$2,332	6	6	\$5,920	(1)	(1)	\$3,588
Operations and Support	Location	7	7	\$818	7	7	\$832	6	6	\$4,720	(1)	(1)	\$3,888
Military Pay and Allowances	Location	5	5	\$558	5	5	\$559	2	2	\$186	(3)	(3)	(\$373)
Civilian Pay and Benefits	Location	2	2	\$260	2	2	\$273	4	4	\$470	2	2	\$197
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$9	-	-	\$9
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$4,044	-	-	\$4,044
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$11	-	-	\$11
Research and Development	Location	-	-	\$1,271	-	-	\$1,500	-	-	\$1,200	-	-	(\$300)
Operational Reimbursements	Source	-	-	\$157,699	-	-	\$121,829	-	-	-	-	-	(\$121,829)
Operations and Support	Location	-	-	\$157,699	-	-	\$121,829	-	-	-	-	-	(\$121,829)
Operating Funds and Unit Level Maintenance	Location	-	-	\$157,699	-	-	\$121,829	-	-	-	-	-	(\$121,829)
Department of Homeland Security - United States Coast Guard	Source	606	517	\$300,000	626	537	\$275,000	712	616	\$275,000	86	79	-
Funds	Location	606	517	\$300,000	626	537	\$275,000	712	616	\$275,000	86	79	-
Yard Fund	Location	606	517	\$150,000	626	537	\$150,000	712	616	\$150,000	86	79	-

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Collections <i>(Dollars in Thousands)</i>		FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Supply Fund	Location	-	-	\$150,000	-	-	\$125,000	-	-	\$125,000	-	-	-
Department of Homeland Security - U.S. Customs and Border Protection	Source	-	-	-	-	-	-	-	-	\$500	-	-	\$500
Research and Development	Location	-	-	-	-	-	-	-	-	\$500	-	-	\$500
Department of Interior - Bureau of Safety and Environmental Enforcement	Source	-	-	\$750	-	-	\$750	-	-	\$200	-	-	(\$550)
Research and Development	Location	-	-	\$750	-	-	\$750	-	-	\$200	-	-	(\$550)
Other Defense Civil Programs - Selective Service System	Source	-	-	\$138	-	-	\$138	-	-	\$138	-	-	-
Operations and Support	Location	-	-	-	-	-	-	-	-	\$138	-	-	\$138
Reserve Training	Location	-	-	-	-	-	-	-	-	\$138	-	-	\$138
Reserve Training	Location	-	-	\$138	-	-	\$138	-	-	-	-	-	(\$138)
Department of Justice - Department of Justice	Source	2	2	\$331	2	2	\$337	-	-	-	(2)	(2)	(\$337)
Operations and Support	Location	2	2	\$331	2	2	\$337	-	-	-	(2)	(2)	(\$337)
Military Pay and Allowances	Location	2	2	\$331	2	2	\$337	-	-	-	(2)	(2)	(\$337)
Department of Labor - Department of Labor	Source	-	-	-	-	-	-	2	2	\$384	2	2	\$384
Operations and Support	Location	-	-	-	-	-	-	2	2	\$384	2	2	\$384
Civilian Pay and Benefits	Location	-	-	-	-	-	-	2	2	\$185	2	2	\$185
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$2	-	-	\$2
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$194	-	-	\$194
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$3	-	-	\$3
Department of State - Department of State	Source	5	5	\$968	5	5	\$918	6	6	\$15,411	1	1	\$14,493
Operations and Support	Location	5	5	\$968	5	5	\$918	6	6	\$15,411	1	1	\$14,493
Military Pay and Allowances	Location	5	5	\$968	5	5	\$918	5	5	\$818	-	-	(\$100)
Civilian Pay and Benefits	Location	-	-	-	-	-	-	1	1	\$178	1	1	\$178
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$27	-	-	\$27
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$14,376	-	-	\$14,376
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$12	-	-	\$12
Department of Treasury - Department of the Treasury	Source	83	68	\$8,227	83	68	\$8,407	1	1	\$1,015	(82)	(67)	(\$7,392)

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Collections <i>(Dollars in Thousands)</i>		FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Operations and Support	Location	83	68	\$8,227	83	68	\$8,407	1	1	\$1,015	(82)	(67)	(\$7,392)
Military Pay and Allowances	Location	59	50	\$5,800	59	49	\$5,846	-	-	-	(59)	(49)	(\$5,846)
Civilian Pay and Benefits	Location	24	18	\$2,427	24	19	\$2,561	1	1	\$187	(23)	(18)	(\$2,374)
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$9	-	-	\$9
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$817	-	-	\$817
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$2	-	-	\$2
Department of Transportation - Department of Transportation	Source	26	24	\$3,130	26	24	\$3,193	7	7	\$934	(19)	(17)	(\$2,259)
Operations and Support	Location	26	24	\$3,130	26	24	\$3,193	7	7	\$934	(19)	(17)	(\$2,259)
Military Pay and Allowances	Location	19	18	\$2,263	18	17	\$2,264	1	1	\$135	(17)	(16)	(\$2,129)
Civilian Pay and Benefits	Location	7	6	\$867	8	7	\$929	6	6	\$562	(2)	(1)	(\$367)
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$9	-	-	\$9
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$216	-	-	\$216
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$12	-	-	\$12
Office of Director of National Intelligence	Source	-	-	-	-	-	-	8	8	\$1,356	8	8	\$1,356
Operations and Support	Location	-	-	-	-	-	-	8	8	\$1,356	8	8	\$1,356
Military Pay and Allowances	Location	-	-	-	-	-	-	1	1	\$1,080	1	1	\$1,080
Civilian Pay and Benefits	Location	-	-	-	-	-	-	7	7	\$208	7	7	\$208
Training and Recruiting	Location	-	-	-	-	-	-	-	-	\$13	-	-	\$13
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	-	-	-	\$40	-	-	\$40
Centrally Managed Accounts	Location	-	-	-	-	-	-	-	-	\$15	-	-	\$15
Total Collections		1,489	1,366	\$637,451	1,521	1,406	\$532,819	1,612	1,506	\$515,087	91	100	(\$17,732)

U.S. Coast Guard Reports

Environmental Compliance and Restoration (EC&R) Project Backlog Impact

The information presented below fulfills the directive in Senate Report 114-68 accompanying the Fiscal Year (FY) 2016 Department of Homeland Security Appropriations Act (P.L. 114-113):

“The Coast Guard is directed to include in its annual budget justification a listing of the activities projected to be funded by the amount requested under this heading and an updated backlog report for Environmental Compliance and Restoration projects, with an explanation of how the amount requested will impact this documented backlog.”

The Coast Guard's prioritized listing of projects eligible for EC&R funding is reflective of the Coast Guard's review of current EC&R requirements and both completion and consolidation of projects. This list contains 122 projects with an estimated total cost of \$80M. Estimated costs include restoration work to be accomplished in various stages (i.e., investigation work, site remediation work, and long term management) and to be executed across several years (e.g., long term management can potentially extend out to 30 years or more). The following table provides a detailed listing of potential future EC&R priority projects. The list is adjusted as new information from complete assessments and project risk prioritization becomes available.

FY 2019 EC&R funding of \$13.4M, now provided in USCG's Operations and Support appropriation, continues long term monitoring at 29 sites, begins or continues investigation/remediation site work at 19 sites, and displays a commitment to ongoing identification, investigation, cleanup, and long-term management of contamination from hazardous substances and pollutants for Coast Guard systems, buildings, structures, and assets.

Project Title	Location	State	Estimated Cost To Complete (\$K)
Base Kodiak / Site 10/11 Air Station Paint Storage - Site Remediation (Jet Fuel (JP-5) Spill Cleanup)	Kodiak	AK	\$240
LORAN-C Carolina Beach – Site Remediation	Carolina Beach	NC	\$1,030
Station Fort Pierce - Site Investigation (Groundwater Petroleum Oil Lubricant Contamination from Underground Storage Tank Release)	Fort Pierce	FL	\$63
TRACEN Petaluma (Skeet Range) - Site Remediation (Soil Lead Contamination)	Petaluma	CA	\$611
LORAN Station Cocos Island (former) - Long Term Management (Groundwater/Biota Sampling and Analysis and Site Closeout)	Cocos Island	Guam	\$85
Air Station Annette Island - Site Remediation (Multiple Locations/Various Contamination Sources)	Metlakatla	AK	\$2,076
Radar Station Point Higgins - Soil Contamination (Petroleum Hydrocarbons)	Ketchikan	AK	\$162
LORAN Station St. Paul - Site Remediation (Groundwater and Soil Remediation)	St. Paul Island	AK	\$7,500

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Project Title	Location	State	Estimated Cost To Complete (\$K)
LORAN Station Yap (former) - Long Term Management (Post - Cleanup Monitoring)	Yap	Micronesia	\$125
Lighthouse - Point Wilson - Site Remediation (Fog/Signal Bldg)	Point Wilson Light	WA	\$80
Port Arthur Housing - Site Investigation (Potential Soil Lead Based Paint Contamination)	Port Arthur	TX	\$37
Lighthouse - Destruction Island Lighthouse - Site Remediation (Capping of Multiple Soil Contaminants)	Destruction Island	WA	\$447
Lighthouse - Farallon Island Light Station - Site Remediation (Excavate/Removal of Multiple Soil Contaminants)	Farallon Island	CA	\$2,455
Base Milwaukee (former - Old Group) - Site Remediation (Soil and Groundwater Contamination Underground Storage Tank Release)	Milwaukee	WI	\$271
Group Cape Hatteras (Old Group Buxton) - Site Remediation (Former Sanitary Leach Field)	Cape Hatteras	NC	\$1,450
Lighthouse - Isle Royale (Menageri Island) Light Station - Site Remediation (Soil Contamination)	Portage	MI	\$27
Lighthouse Cape Kumukahi Point - Site Remediation (Soil Lead Contamination)	Island of Hawaii	HI	\$35
Lighthouse - Hanapepe Point - Site Remediation (Soil Lead Contamination)	Island of Kauai	HI	\$20
Lighthouse Kauhola Point - Site Remediation (Soil Lead Contamination)	Island of Hawaii	HI	\$78
Lighthouse Nápó'opo'o - Site Remediation (Soil Lead Contamination)	Island of Hawaii	HI	\$40
Lighthouse - Poverty Island Lighthouse - Site Remediation (Metals and Polyaromatic Hydrocarbons Soil Contamination)	Poverty Island	MI	\$1,003
Lighthouse - Nawiliwili Harbor - Site Remediation (Soil Lead Contamination)	Island of Kauai	HI	\$25
Lighthouse - Tree Point Light Station - Site Remediation (Soil Lead, Metals and Petroleum Contamination)	Revilligigedo Channel / Tree Point Ketchikan	AK	\$1,617
Lighthouse - East Chop (former) - Site Remediation (Soil Lead Contamination)	Oak Bluffs / Martha's Vineyard	MA	\$326
Lighthouse - Isle La Motte - Site Remediation (Soil Lead Contamination)	Isle La Motta	VT	\$171
Lighthouse - Long Island Head - Site Remediation (Soil Lead Contamination)	Long Island Head	MA	\$498
Lighthouse - Long Point - Site Remediation (Soil Lead Contamination)	Provincetown Harbor	MA	\$246
Lighthouse - Marblehead - Site Remediation (Soil Lead Contamination)	Marblehead	MA	\$257
Lighthouse Ned Point - Site Remediation (Soil Lead Contamination)	Mattapoisett	MA	\$102

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Project Title	Location	State	Estimated Cost To Complete (\$K)
Lighthouse - Perkins Island - Site Remediation (Soil Lead Contamination)	Perkins Island	ME	\$509
Lighthouse Race Point - Site Remediation (Soil Lead Contamination)	Race Point	MA	\$246
Lighthouse - Split Rock Point - Site Remediation (Soil Lead Contamination)	Lake Champlain	NY	\$241
Lighthouse - Tarpaulin Cove - Site Remediation (Soil Lead Contamination)	Tarpaulin Cove	MA	\$503
Lighthouse - Valcour Bluff Point - Site Remediation (Soil Lead Contamination)	Bluff Point	NY	\$326
Lighthouse - West Chop - Site Remediation (Soil Lead Contamination)	Vineyard Haven Harbor / Tisbury	MA	\$1,300
Lighthouse Windmill Point - Site Remediation (Soil Lead Contamination)	Alburg	VT	\$187
Lighthouse - Wood End - Site Remediation (Soil Lead Contamination)	Provincetown / Cape Cod	MA	\$86
Lighthouse - Wood Island - Site Remediation (Soil Lead Contamination)	Wood Island	ME	\$995
Lighthouse - Eldred Rock (former) - Site Remediation (Soil Lead Contamination)	Sitka	AK	\$71
Lighthouse - Light Station Cape St. Elias (former) - Site Remediation (Soil Petroleum Contamination)	Kayak Island	AK	\$74
LORAN Station Sitkinak Island - Site Remediation (Battery Cleanup and Soil Lead Contamination Remediation)	Sitkinak Island	AK	\$472
Lighthouse - Alcatraz Light Station - Site Remediation (Soil Lead and Arsenic Contamination)	Alcatraz Island	CA	\$194
Lighthouse - Browns Point Light Station - Site Remediation (Soil Lead Contamination)	Browns Point / Tacoma	WA	\$112
Lighthouse - Cape Blanco Light Station - Site Remediation (Soil Lead Contamination)	Cape Blanco	OR	\$79
Lighthouse - Cape Flattery - Site Remediation (Soil Contamination)	Cape Flattery	WA	\$696
Lighthouse - East Brother - Site Remediation (Soil Lead Contamination)	East Brother	CA	\$177
Lighthouse - Lime Point Light Station - Site Remediation	Lime Point	CA	\$107
Lighthouse - New Dungeness - Site Remediation (Lead, Cadmium and Polychlorinated Biphenyl Soil Contamination)	New Dungeness	WA	\$696
Lighthouse - Point Bonita - Site Remediation (Lead and Petroleum Soil Contamination)	Point Bonita	CA	\$364
Lighthouse - Point Conception Light Station - Site Remediation (Soil Lead Contamination)	Point Conception	CA	\$134

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Project Title	Location	State	Estimated Cost To Complete (\$K)
Lighthouse - Point Fermin - Site Remediation (Soil Lead Contamination)	Point Fermin	CA	\$107
Lighthouse - Point Loma Light Station - Site Remediation (Soil Lead Contamination)	Point Loma	CA	\$203
Lighthouse - Point Montara - Site Restoration (Lead and Petroleum Soil Contamination)	Point Montara	CA	\$337
Lighthouse - Point Vicente Light Station - Site Remediation (Soil Lead Contamination)	Point Vicente	CA	\$70
Lighthouse - Slip Point Light Station - Site Remediation (Soil Metals Contamination)	Clallam Bay	WA	\$96
Lighthouse - Turn Point - Site Remediation (Soil Contamination / Arsenic and Lead Cistern Water Contamination)	Turn Point	WA	\$840
Lighthouse - Umpqua River - Site Remediation (Soil Lead Contamination)	Umpqua River / Winchester Bay	OR	\$144
Lighthouse - Yerba Buena Island (YBI) Light Station - Site Remediation (Soil Lead Contamination)	Yerba Buena Island	CA	\$152
Lighthouse - Cape Hinchinbrook - Site Remediation (Soil metals, Polychlorinated Biphenyl, Petroleum Contamination)	Hinchinbrook Island, Prince William Sound	AK	\$505
LORAN-C Attu - Site Remediation (Polychlorinated Biphenyl Cleanup, Metals and other contamination sources/Various Locations)	Attu Island	AK	\$6,739
Base Kodiak Lake Louise Housing - Site Investigation (Soil Underground Storage Tank Petroleum Contamination)	Kodiak	AK	\$150
LORAN-C Kodiak (Narrow Cape) - Site Remediation (Soil/groundwater Petroleum Contamination)	Kodiak	AK	\$365
LORAN-C Shoal Cove - Site Remediation (Soil Contamination Diesel Range Organics)	Shoal Cove	AK	\$1,276
Station Gloucester - Site Investigation (Metals Contamination)	Gloucester	MA	\$42
LORAN-C Port Clarence - Soil Remediation (Petroleum and Metals Contamination and Debris Cleanup)	Port Clarence	AK	\$4,155
Yerba Buena Island - Site Remediation (Underground Storage Tank Release)	Yerba Buena Island	CA	\$515
Small Arms Firing Range Base Kodiak - Resource Conservation and Recovery Act Investigation and Site Closeout	Kodiak	AK	\$462
Lighthouse - Cape Arago - Site Remediation(Soil Remediation & Mercury Decontamination)	Cape Arago	OR	\$321
Lighthouse - Cape Arago - Site Remediation (Soil Remediation and Mercury Decontamination)	Point Diablo	CA	\$95
Lighthouse - Point Diablo - Site Remediation (Soil Lead Contamination)	Portsmouth	NH	\$53

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Project Title	Location	State	Estimated Cost To Complete (\$K)
Lighthouse - Fairway Island (former) - Site Remediation (Soil Lead and Mercury Contamination)	Fairway Island	AK	\$398
LORAN Station Cape Sarichef (former) - Site Remediation (Soil Petroleum and Lead Contamination)	Cape Sarichef	AK	\$3,386
Aid to Navigation Team Sledge Island - Site Remediation (Solid Waste Cleanup and Removal, Minor Soil Removal)	Sledge Island	AK	\$155
STA Jones Beach - Site Investigation (Possible Petroleum Soil/GW Contamination Boat Maintenance Facility)	Freeport	NY	\$36
Station Jones Beach - Site Investigation (Possible Petroleum Soil/Groundwater Contamination Boat Maintenance Facility)	Unimak Island	AK	\$2,499
LORAN Station Kure (former) - Site Remediation (Soil Polychlorinated Biphenyl Contamination)	Kure Atoll	HI	\$80
Air Station Barbers Point - Site Investigation	Island of Oahu	HI	\$70
TRACEN Cape May - Site Investigation (Soil Lead Contamination at Auxiliary Ops Bldg)	Cape May	NJ	\$43
Small Arms Firing Range Base Ketchikan - Resource Conservation and Recovery Act Investigation and Site Closeout	Ketchikan	AK	\$299
Small Arms Firing Range Base Portsmouth - Resource Conservation and Recovery Act Investigation and Site Closeout	Portsmouth	VA	\$257
Small Arms Firing Range Station Galveston - Resource Conservation and Recovery Act Investigation and Site Closeout	Galveston	TX	\$210
Small Arms Firing Range TRACEN Cape May - Resource Conservation and Recovery Act Site Remediation/Close Out	Cape May	NJ	\$1,654
Small Arms Firing Range TRACEN Petaluma - Resource Conservation and Recovery Act Investigation and Site Closeout	Petaluma	CA	\$289
Small Arms Firing Range TRACEN Yorktown - Resource Conservation and Recovery Act Investigation and Site Closeout	Yorktown	VA	\$299
CGC SMILAX Moorings - Site Investigation (Phase II)	Jacksonville	FL	\$75
Lighthouse - Point Crowley - Removal of Hazardous Material (Acetylene Gas Cylinders)	Kulu Island	AK	\$42
LORAN Station Ocean Cape (former) - Environmental Due Diligence Audit / Site Investigation	Yakutat	AK	\$499
Lighthouse - Mary Island (former) - Site Remediation (Soil Lead and Petroleum Contamination)	Mary Island / Revilligigedo Channel	AK	\$460
Coast Guard Yard (Site 9) - Long Term Management (Post Closure Monitoring)	Baltimore	MD	\$70
Base Elizabeth City - Bldg 77 Stripping Shop Release (Long Term Monitoring Ground Water Contamination)	Elizabeth City	NC	\$846

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Project Title	Location	State	Estimated Cost To Complete (\$K)
Base Elizabeth City (Bldg 79) - Long Term Management (Electroplating Shop Release)	Elizabeth City	NC	\$655
Base Elizabeth City (Solid Waste Management Units 28/56) - Site Remediation (North Beach Disposal Area)	Elizabeth City	NC	\$1,528
Base Elizabeth City (Solid Waste Management Units 32/37/38 Former Fuel Farm) - Site Remediation/Long Term Management (Phytoremediation System)	Elizabeth City	NC	\$2,775
BASE Elizabeth City (Solid Waste Management Unit 64) - Site Remediation/Long Term Monitoring at Bldg 75 (Spent Solvents Release)	Elizabeth City	NC	\$1,220
Air Station Traverse City - Site Cleanup of Asbestos Containing Materials (Annual Site Inspection and Cleanup of Transite Siding)	Traverse City	MI	\$505
Base Elizabeth City (Solid Waste Management Unit 33 Former Waste Storage Area) - Site Remediation/Long Term Management	Elizabeth City	NC	\$987
Aunuu Island - Site Remediation (Aid to Navigation Batteries)	Aunuu Island	Am. Samoa	\$68
Base Elizabeth City (Solid Waste Management Unit 15 Former Burn Area and Landfill) - Long Term Monitoring (Phytoremediation System Operations and Management)	Elizabeth City	NC	\$727
Station Grand Haven - Site Remediation (Underground Storage Tank Release)	Grand Haven	MI	\$630
Coast Guard Yard (Site 7) -Long Term Management / Maintenance of Land Use Controls	Baltimore	MD	\$932
Base Elizabeth City (Solid Waste Management Unit 55 / Gate 1)- Long Term Management	Elizabeth City	NC	\$136
Base Elizabeth City (Solid Waste Management Unit - 62) - Long Term Management (Seaplane Pipeline Release Site)	Elizabeth City	NC	\$64
Lighthouse - Egmont Key - Long Term Management (Monitoring of Natural Attenuation of Groundwater Contamination)	Egmont Key Island / Tampa Bay	FL	\$16
Lighthouse - Lā au Point - Site Remediation (Lead Impacted Soil)	Island of Molokai	HI	\$64
Detachment Sandy Hook - Site Remediation (Fuel Spill Release - Superstorm Sandy Response)	Sandy Hook	NJ	\$110
Base Elizabeth City (Former Navy Dispensary and Barracks Site) - Long Term Management (Monitoring of Natural Attenuation of Groundwater)	Elizabeth City	NC	\$343
Lighthouse - Palaoa Point - Site Remediation (Lead Soil Contamination)	Island of Lanai	HI	\$59
Station Port Angeles - Site Remediation (Groundwater Monitoring at former Underground Storage Tank)	Port Angeles	WA	\$23
Coast Guard Academy - Site Remediation (Shipyard Parcel 1)	New London	CT	\$96
Base Kodiak / Site 2 (Former Navy Landfill) - Long Term Monitoring	Kodiak	AK	\$1,037

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Project Title	Location	State	Estimated Cost To Complete (\$K)
Base Kodiak / Site 23 (Former Power Plant) - Site Remediation (Additional Corrective Measure Study and Long Term Monitoring)	Kodiak	AK	\$356
Base Kodiak / Site 3 (Former Dry Cleaning/Laundry Facility) - Site Remediation	Kodiak	AK	\$5,887
Base Kodiak / Site 6A (Motor Gas (MOGAS)) - Long Term Management (Post-Closure Maintenance and Annual Groundwater Monitoring of Underground Storage Tanks Leaks)	Kodiak	AK	\$1,193
Base Kodiak / Site 7A (Former Barrel Storage Area) - Long Term Management (Post-Closure Maintenance and Monitoring)	Kodiak	AK	\$2,900
Base Ketchikan - Site Remediation (Marine Sediments Metals Contamination)	Ketchikan	AK	\$346
Lighthouse - Guard Island - Site Remediation (Lead Impacted Soil)	Tongass Narrows /Clarence Strait Ketchikan	AK	\$301
Lighthouse - Sentinel Island (former) - Long Term Management (Inspection of Soil Cap)	Sentinel Island	AK	\$35
LORAN-C Tok - Long Term Management (Periodic Inspection of Institutional Controls)	Tok	AK	\$124
Lighthouse - Five Finger Islands - Long Term Management (Inspection of Soil Cap)	Five Finger Islands / Frederick Sound	AK	\$66
Lighthouse - Point Retreat (former) - Long Term Management (Inspection and Review of Institutional Controls/Soil Cap)	Admiralty Island	AK	\$26
Lighthouse - Cape Decision (former) - Long Term Management (Inspection of Soil Cap)	Kulu Island / Sumner Strait	AK	\$54
Aviation Support Facility Cordova - Long Term Management (Site Inspections)	Cordova	AK	\$32
Total Estimated Cost to Complete			\$80,235

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Operations and Support



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Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Military Pay and Allowances	40,436	40,693	\$3,544,111	40,593	40,060	\$3,711,095	41,054	40,514	\$3,851,095	461	454	\$140,000
Civilian Pay and Benefits	8,016	7,566	\$808,969	8,084	7,121	\$851,178	8,646	7,595	\$929,385	562	474	\$78,207
Training and Recruiting	-	-	\$196,346	-	-	\$190,668	-	-	\$187,991	-	-	(\$2,677)
Operating Funds and Unit Level Maintenance	-	-	\$995,519	-	-	\$895,518	-	-	\$907,894	-	-	\$12,376
Centrally Managed Accounts	-	-	\$328,746	-	-	\$142,788	-	-	\$143,641	-	-	\$853
Intermediate and Depot Level Maintenance	-	-	\$1,043,245	-	-	\$1,422,217	-	-	\$1,442,048	-	-	\$19,831
Reserve Training	-	-	-	-	-	-	416	409	\$117,655	416	409	\$117,655
Environmental Compliance and Restoration	-	-	-	-	-	-	25	23	\$13,429	25	23	\$13,429
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	-	-	-	-	-	-	\$199,360	-	-	\$199,360
Total	48,452	48,259	\$6,916,936	48,677	47,181	\$7,213,464	50,141	48,541	\$7,792,498	1,464	1,360	\$579,034
Subtotal Discretionary - Appropriation	48,452	48,259	\$6,916,936	48,677	47,181	\$7,213,464	50,141	48,541	\$7,792,498	1,464	1,360	\$579,034

*In FY 2019, USCG is transitioning to the DHS Common Appropriations Structure (CAS). FY 2017 and FY 2018 data reflect funding levels for legacy appropriations. Conversion to CAS results in the consolidation of legacy EC&R, RT, and MERHCF appropriations and acquisition personnel funding into O&S.

The Operations and Support (O&S) appropriation funds the Coast Guard's roles and responsibilities as the principal Federal agency in the maritime domain providing for the safety, security, and stewardship of U.S. resources for the Nation.

The O&S appropriation funds the annualization of prior-year funding, economic adjustments, and operating and maintenance funding for new and existing Coast Guard Programs, Projects, and Activities (PPAs). The O&S request directly funds all 11 statutory Coast Guard missions and other Service activities in support of the Department of Homeland Security and National priorities. Of the funding, \$24.5M is derived from the Oil Spill Liability Trust Fund as authorized by the Oil Pollution Act of 1990 (33 USC § 2701-2761).

The O&S request includes increases for the annualization of FY 2018 initiatives; the FY 2019 military pay increase of 2.6 percent; military and civilian personnel allowances and benefits; operational adjustments; the operation, maintenance, and crewing of systems, vessels, aircraft, and shore facilities delivered via the Coast Guard's acquisition programs (i.e., Shore Facilities, Fast Response Cutter (FRC), National Security Cutter (NSC), C-27J Aircraft, and HC-130J Aircraft); the training, operation, and administration of the Coast Guard Reserve Program, including training, equipping, and ensuring the readiness the Coast Guard Reserve workforce to augment active duty Coast Guard forces during times of crisis,

domestically or worldwide; the environmental remediation and restoration of Coast Guard facilities, including site assessment, remediation, and long-term monitoring and management at Coast Guard facilities; and the accrual of the Coast Guard's military Medicare-eligible retiree health care fund contribution to the Department of Defense.

The FY 2019 Budget sustains the Coast Guard's operational readiness to meet today's needs and challenges, while investing in long-term mission capability. The O&S request includes decreases to continue the focus on the most critical frontline operations in FY 2019. The O&S request includes decreases for: termination of one-time costs; annualization of prior-year initiative reductions; operational adjustments; and aircraft decommissionings.

The Coast Guard is transitioning to the DHS Common Appropriations Structure in FY 2019. Accordingly, activities funded through the previous Operating Expenses (OE), Reserve Training (RT), Environmental Compliance and Restoration (EC&R), and Medicare-Eligible Retiree Health Care Fund Contribution (MERHCFC) appropriations are now funded through the new O&S appropriation. In addition, acquisition personnel costs previously funded through the Procurement, Construction, and Improvements (PC&I) appropriation are now funded through the new O&S appropriation.

Operations and Support Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$6,916,936	\$7,213,464	\$7,792,498
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$21,713	\$10,668	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$6,938,649	\$7,224,132	\$7,792,498
Collections – Reimbursable Resources	\$250,830	\$217,631	\$228,036
Total Budget Resources	\$7,189,479	\$7,441,763	\$8,020,534
Obligations (Actual/Projections/Estimates)	\$6,901,907	\$7,224,132	\$7,782,452
Personnel: Positions and FTE			
Enacted/Request Positions	48,452	48,677	50,141
Enacted/Request FTE	48,259	47,181	48,541
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	47,248	49,572	51,041
FTE (Actual/Estimates/Projections)	46,749	48,050	49,431

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Operations and Support Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>		FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture	Source	-	-	-	-	-	-	11	7	\$838
Department of Commerce - Department of Commerce	Source	8	8	\$1,213	8	8	\$1,233	8	8	\$2,628
Department of Defense - Department of Defense	Source	598	587	\$61,048	610	607	\$63,171	601	601	\$139,246
Department of Health and Human Services - Department Wide	Source	-	-	-	-	-	-	17	13	\$1,146
Department of Homeland Security - Department of Homeland Security	Source	123	123	\$14,703	123	123	\$14,975	224	222	\$42,880
Department of Homeland Security - Federal Emergency Management Agency	Source	-	-	\$18	-	-	\$18	-	-	-
Other Anticipated Reimbursables	Source	31	25	\$2,675	31	25	\$2,718	9	9	\$17,340
Independent Agency - Environmental Protection Agency	Source	7	7	\$818	7	7	\$832	6	6	\$4,720
Operational Reimbursements	Source	-	-	\$157,699	-	-	\$121,829	-	-	-
Other Defense Civil Programs - Selective Service System	Source	-	-	-	-	-	-	-	-	\$138
Department of Justice - Department of Justice	Source	2	2	\$331	2	2	\$337	-	-	-
Department of Labor - Department of Labor	Source	-	-	-	-	-	-	2	2	\$384
Department of State - Department of State	Source	5	5	\$968	5	5	\$918	6	6	\$15,411
Department of Treasury - Department of the Treasury	Source	83	68	\$8,227	83	68	\$8,407	1	1	\$1,015
Department of Transportation - Department of Transportation	Source	26	24	\$3,130	26	24	\$3,193	7	7	\$934
Office of Director of National Intelligence	Source	-	-	-	-	-	-	8	8	\$1,356
Total Collections		883	849	\$250,830	895	869	\$217,631	900	890	\$228,036

Operations and Support Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2017 Enacted	48,452	48,259	\$6,916,936
FY 2018 President's Budget	48,677	47,181	\$7,213,464
FY 2019 Base Budget	48,677	47,181	\$7,213,464
Transfer from EC&R Appropriation to O&S/EC&R	25	23	\$13,397
Transfer from MERHCFC Appropriation to O&S/MERHCFC	-	-	\$195,784
Transfer from PC&I Appropriation to O&S/Civilian Pay	490	431	\$63,682
Transfer from PC&I Appropriation to O&S/Military Pay	424	404	\$54,563
Transfer from RT Appropriation to O&S/RT	416	409	\$114,875
Transfer to DHS CRSO for St. Elizabeths IT Support	-	-	(\$15,600)
Transfer to DHS CHCO/OCFO WCF for payroll services & WDD activities	-	-	(\$2,302)
Total Transfers	1,355	1,267	\$424,399
Annualization of 2018 Initiatives	-	288	\$49,247
Annualization of 2018 Military and Civilian Pay Raise	-	-	\$16,749
2018 NDAA Military Pay Raise Adjustment	-	-	\$7,130
2019 Military Pay Raise	-	-	\$46,434
2019 Military Allowances	-	-	\$27,335
2019 Civilian Allowances	-	-	\$3,717
GSA and Other Governmental Rent	-	-	\$1,962
OCONUS (Kodiak) Base Operating Support Services	-	-	\$4,900
Medicare-Eligible Retiree Health Care Fund Adjustment	-	-	\$10,899
Total, Pricing Increases	-	288	\$168,373
2018 Pharmacy Co-Pay Proposals	-	-	(\$7,323)
Termination of One-Time Costs	-	-	(\$37,146)
Annualization of FY 2018 Initiative Reductions	-	(145)	(\$27,079)
Total, Pricing Decreases	-	(145)	(\$71,548)
Total Adjustments-to-Base	1,355	1,410	\$521,224
FY 2019 Current Services	50,032	48,591	\$7,734,688
Aircraft FAA Compliance & Obsolete Equipment Replacement	-	-	\$20,233
MILSATCOM Obsolete Equipment Replacement	-	-	\$9,324

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Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
Mission Essential Systems (MES)	-	-	\$5,000
Cutter Underway Connectivity Obsolete Equipment Replacement	1	1	\$1,396
DHS Immigration Database Initiative (IDI)	1	1	\$109
Department of State Passports (Official & Diplomatic)	-	-	\$769
Acquisition Personnel & Management	92	46	\$6,802
Shore Facility Follow-On	8	4	\$2,636
Fast Response Cutter (FRC) Follow-On	206	112	\$24,734
National Security Cutter (NSC) Follow-On	76	38	\$23,997
C-27J Aircraft Support Follow-On	2	1	\$688
HC-130J Aircraft Follow-On	66	34	\$11,176
Total, Program Increases	452	237	\$106,864
Elimination of Crew Rotation Concept Pilot Program	(231)	(231)	(\$31,657)
St. Elizabeths Physical Security	-	-	(\$1,162)
Four HC-130H Aircraft - Planned	(112)	(56)	(\$16,235)
Total, Program Decreases	(343)	(287)	(\$49,054)
FY 2019 Request	50,141	48,541	\$7,792,498
FY 2018 TO FY 2019 Change	1,464	1,360	\$579,034

Operations and Support Justification of Pricing Changes

Pricing Changes (Dollars in Thousands)	FY 2019 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Annualization of 2018 Initiatives	-	288	\$49,247
Military Pay and Allowances	-	283	\$23,662
Civilian Pay and Benefits	-	5	\$576
Training and Recruiting	-	-	\$1,567
Operating Funds and Unit Level Maintenance	-	-	\$10,278
Intermediate and Depot Level Maintenance	-	-	\$13,164
Pricing Change 2 - Annualization of 2018 Military and Civilian Pay Raise	-	-	\$16,749
Military Pay and Allowances	-	-	\$12,058
Civilian Pay and Benefits	-	-	\$4,221
Reserve Training	-	-	\$455
Environmental Compliance and Restoration	-	-	\$15
Pricing Change 3 - 2018 NDAA Military Pay Raise Adjustment	-	-	\$7,130
Military Pay and Allowances	-	-	\$6,891
Reserve Training	-	-	\$237
Environmental Compliance and Restoration	-	-	\$2
Pricing Change 4 - 2019 Military Pay Raise	-	-	\$46,434
Military Pay and Allowances	-	-	\$44,869
Reserve Training	-	-	\$1,563
Environmental Compliance and Restoration	-	-	\$2
Pricing Change 5 - 2019 Military Allowances	-	-	\$27,335
Military Pay and Allowances	-	-	\$26,849
Reserve Training	-	-	\$484
Environmental Compliance and Restoration	-	-	\$2
Pricing Change 6 - 2019 Civilian Allowances	-	-	\$3,717
Civilian Pay and Benefits	-	-	\$3,665
Reserve Training	-	-	\$41
Environmental Compliance and Restoration	-	-	\$11
Pricing Change 7 - GSA and Other Governmental Rent	-	-	\$1,962

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Pricing Changes (Dollars in Thousands)	FY 2019 President's Budget		
	Positions	FTE	Amount
Centrally Managed Accounts	-	-	\$1,962
Pricing Change 8 - OCONUS (Kodiak) Base Operating Support Services	-	-	\$4,900
Operating Funds and Unit Level Maintenance	-	-	\$4,900
Pricing Change 9 - Medicare-Eligible Retiree Health Care Fund Adjustment	-	-	\$10,899
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$10,899
Pricing Change 10 - 2018 Pharmacy Co-Pay Proposals	-	-	(\$7,323)
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	(\$7,323)
Pricing Change 11 - Termination of One-Time Costs	-	-	(\$37,146)
Military Pay and Allowances	-	-	(\$6,203)
Training and Recruiting	-	-	(\$4,475)
Operating Funds and Unit Level Maintenance	-	-	(\$4,198)
Intermediate and Depot Level Maintenance	-	-	(\$22,270)
Pricing Change 12 - Annualization of FY 2018 Initiative Reductions	-	(145)	(\$27,079)
Military Pay and Allowances	-	(142)	(\$12,210)
Civilian Pay and Benefits	-	(3)	(\$505)
Training and Recruiting	-	-	(\$493)
Operating Funds and Unit Level Maintenance	-	-	(\$4,548)
Intermediate and Depot Level Maintenance	-	-	(\$9,323)
Pricing Change 13 - PPA Technical Base Funding Adjustments	-	-	-
Military Pay and Allowances	(11)	(11)	(\$6,734)
Civilian Pay and Benefits	11	11	\$2,474
Training and Recruiting	-	-	(\$652)
Operating Funds and Unit Level Maintenance	-	-	(\$435)
Centrally Managed Accounts	-	-	(\$50)
Intermediate and Depot Level Maintenance	-	-	\$5,397
Total Pricing Changes	-	143	\$96,825

Pricing Change 1 – Annualization of 2018 Initiatives (288 FTE, \$49.2M): Reflects the net impact of initiatives in the FY 2018 President’s Budget submission, including an overall increase of 288 FTE.

Annualization of 2018 Initiatives (Dollars in Thousands)	Positions	FTE	Amount
Defense Information Systems Agency (DISA) System Fee Increase	-	-	\$375
Personnel Security & Investigations	-	3	\$1,738
Mission Essential Systems and Cyber Security	-	1	\$2,574
Modernized Retirement System Training & Management (2016 NDAA)	-	8	\$1,784
Special Victims' Counsel (2016 NDAA)	-	1	\$307
Shore Facility Follow-On	-	2	\$4,558
Ship Control and Navigation Training System (SCANTS) Follow-On	-	-	\$105
Fast Response Cutter (FRC) Follow-On	-	91	\$13,020
National Security Cutter (NSC) Follow-On	-	182	\$19,153
C-27J Aircraft Support Follow-On	-	10	\$1,130
HC-130J Aircraft Follow-On	-	17	\$4,953
MH-60T Helicopter Follow-On	-	17	\$4,338
Annualization Reduction (FY 2018 CR Delayed Hiring Impacts)	-	(44)	(\$4,788)
Total, Annualization of 2018 Initiatives	-	288	\$49,247

Pricing Change 2 – Annualization of 2018 Military and Civilian Pay Raise (\$16.7M): Provides one quarter of funding to annualize the 2018 military (2.1 percent) and civilian (1.9 percent) pay raises included in the FY 2018 President’s Budget.

Pricing Change 3 – 2018 NDAA Military Pay Raise Adjustment (\$7.1M): Provides funding to account for the 2018 military (2.4 percent) pay raise included in the 2018 National Defense Authorization Act (NDAA).

Pricing Change 4 – 2019 Military Pay Raise (\$46.4M): Provides three quarters of funding for the 2019 military (2.6 percent) pay raise.

Pricing Change 5 – 2019 Military Allowances (\$27.3M): Provides funding to maintain current services and ensure parity of military pay, allowances, and health care with DOD. Additional funding addresses Basic Allowance for Housing (BAH) changes scheduled to take effect on January 1, 2019. Health care costs are forecasted using actuarial projections and includes funding for Coast Guard clinics, TRICARE, pharmaceuticals, use of DOD military treatment facilities, and Public Health Service physicians serving at Coast Guard medical facilities. Permanent Change of Station costs are based on workforce accession, assignment, and retirement projections, and the respective change of station costs.

Pricing Change 6 – 2019 Civilian Allowances (\$3.7M): Provides funding for required government contributions to Federal Employee Government Life Insurance (FEGLI), Federal Employee Health Benefits (FEHB), and Thrift Savings Plan (TSP).

Pricing Change 7 – GSA and Other Governmental Rent (\$2.0M): Provides funding for cost increases at General Services Administration (GSA) leased buildings occupied by the Coast Guard.

Pricing Change 8 – OCONUS (Kodiak) Base Operating Support Services (\$4.9M): Provides funding for cost increases to the Base Operating Support Services contract at Coast Guard Base Kodiak.

Pricing Change 9 – Medicare-Eligible Retiree Health Care Fund Adjustment (\$10.9M): Reflects projected FY 2019 average workforce strength and changes in annual per capita accrual costs.

Pricing Change 10 – 2018 Pharmacy Co-Pay Proposals (-\$7.3M): Reflects anticipated military Medicare-eligible retiree health care fund contribution savings based on the FY 2018 National Defense Authorization Act (NDAA) proposal to modify retail and mail order pharmaceutical co-pays.

Pricing Change 11 – Termination of One-Time Costs (-\$37.1M): Reflects FY 2019 savings associated with the termination of one-time costs for program start-up and exit transactions in FY 2018.

Termination of One-Time Costs (Dollars in Thousands)	Positions	FTE	Amount
Personnel Security & Investigations	-	-	(\$24)
Mission Essential Systems and Cyber Security	-	-	(\$12)
Modernized Retirement System Training & Management (2016 NDAA)	-	-	(\$205)
Special Victims' Counsel (2016 NDAA)	-	-	(\$40)
CG Aircraft FAA Compliance & Obsolete Equipment Replacement	-	-	(\$16,871)
Shore Facility Follow-On	-	-	(\$29)
Fast Response Cutter (FRC) Follow-On	-	-	(\$4,009)
National Security Cutter (NSC) Follow-On	-	-	(\$7,774)
C-27J Aircraft Support Follow-On	-	-	(\$1,733)
HC-130J Aircraft Follow-On	-	-	(\$749)
MH-60T Helicopter Follow-On	-	-	(\$2,185)
Direct Support Efficiencies	-	-	(\$48)
One High Endurance Cutter (WHEC)	-	-	(\$2,126)
Three 110-foot Patrol Boats	-	-	(\$949)
One HC-130H Aircraft	-	-	(\$392)
Total, Termination of One-Time Costs	-	-	(\$37,146)

Pricing Change 12 – Annualization of FY 2018 Initiative Reductions (-145 FTE, -\$27.1M): Annualizes part-year reductions from various asset decommissionings and programmatic reductions in FY 2018, including a decrease of 145 FTE.

Annualization of FY 2018 Initiative Reductions <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
Direct Support Efficiencies	-	(6)	(\$1,473)
Management Efficiencies	-	(2)	(\$5,703)
One High Endurance Cutter (WHEC)	-	(92)	(\$11,362)
Three 110-foot Patrol Boats	-	(31)	(\$3,953)
One HC-130H Aircraft	-	(14)	(\$4,588)
Total, Annualization of FY 2018 Initiative Reductions	-	(145)	(\$27,079)

Pricing Change 13 – PPA Technical Base Funding Adjustments: Implements recurring technical base adjustments to reallocate funding to the appropriate Project, Program, and Activity (PPA) to comply with Coast Guard financial policy and to properly align funding to the modernized operations and support organizations of the Coast Guard. All requested technical base adjustments retain the original intent and purpose of the funding appropriated; however, the PPA required to properly and most efficiently execute these items differs from where the funding was originally appropriated.

Operations and Support Justification of Program Changes

Program Changes (Dollars in Thousands)	FY 2019 President's Budget		
	Positions	FTE	Amount
Program Change 1 - Aircraft FAA Compliance & Obsolete Equipment Replacement	-	-	\$20,233
Intermediate and Depot Level Maintenance	-	-	\$20,233
Program Change 2 - MILSATCOM Obsolete Equipment Replacement	-	-	\$9,324
Intermediate and Depot Level Maintenance	-	-	\$9,324
Program Change 3 - Mission Essential Systems (MES)	-	-	\$5,000
Intermediate and Depot Level Maintenance	-	-	\$5,000
Program Change 4 - Cutter Underway Connectivity Obsolete Equipment Replacement	1	1	\$1,396
Civilian Pay and Benefits	1	1	\$62
Operating Funds and Unit Level Maintenance	-	-	\$3
Intermediate and Depot Level Maintenance	-	-	\$1,331
Program Change 5 - DHS Immigration Database Initiative (IDI)	1	1	\$109
Civilian Pay and Benefits	1	1	\$89
Operating Funds and Unit Level Maintenance	-	-	\$9
Centrally Managed Accounts	-	-	\$5
Intermediate and Depot Level Maintenance	-	-	\$6
Program Change 6 - Department of State Passports (Official & Diplomatic)	-	-	\$769
Training and Recruiting	-	-	\$581
Operating Funds and Unit Level Maintenance	-	-	\$188
Program Change 7 - Acquisition Personnel & Management	92	46	\$6,802
Military Pay and Allowances	44	22	\$3,249
Civilian Pay and Benefits	48	24	\$3,354
Operating Funds and Unit Level Maintenance	-	-	\$91
Intermediate and Depot Level Maintenance	-	-	\$108
Program Change 8 - Shore Facility Follow-On	8	4	\$2,636
Military Pay and Allowances	4	2	\$297
Civilian Pay and Benefits	4	2	\$217
Training and Recruiting	-	-	\$12
Operating Funds and Unit Level Maintenance	-	-	\$1,110

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Program Changes (Dollars in Thousands)	FY 2019 President's Budget		
	Positions	FTE	Amount
Intermediate and Depot Level Maintenance	-	-	\$1,000
Program Change 9 - Fast Response Cutter (FRC) Follow-On	206	112	\$24,734
Military Pay and Allowances	206	112	\$10,578
Training and Recruiting	-	-	\$559
Operating Funds and Unit Level Maintenance	-	-	\$6,238
Centrally Managed Accounts	-	-	\$46
Intermediate and Depot Level Maintenance	-	-	\$7,313
Program Change 10 - National Security Cutter (NSC) Follow-On	76	38	\$23,997
Military Pay and Allowances	66	33	\$3,451
Civilian Pay and Benefits	10	5	\$729
Training and Recruiting	-	-	\$775
Operating Funds and Unit Level Maintenance	-	-	\$9,913
Centrally Managed Accounts	-	-	\$62
Intermediate and Depot Level Maintenance	-	-	\$9,067
Program Change 11 - C-27J Aircraft Support Follow-On	2	1	\$688
Military Pay and Allowances	2	1	\$185
Training and Recruiting	-	-	\$438
Operating Funds and Unit Level Maintenance	-	-	\$16
Intermediate and Depot Level Maintenance	-	-	\$49
Program Change 12 - HC-130J Aircraft Follow-On	66	34	\$11,176
Military Pay and Allowances	66	34	\$3,238
Training and Recruiting	-	-	\$656
Operating Funds and Unit Level Maintenance	-	-	\$2,248
Centrally Managed Accounts	-	-	\$30
Intermediate and Depot Level Maintenance	-	-	\$5,004
Program Change 13 - Elimination of Crew Rotation Concept Pilot Program	(231)	(231)	(\$31,657)
Military Pay and Allowances	(228)	(228)	(\$19,739)
Civilian Pay and Benefits	(3)	(3)	(\$357)
Training and Recruiting	-	-	(\$766)
Operating Funds and Unit Level Maintenance	-	-	(\$7,640)
Intermediate and Depot Level Maintenance	-	-	(\$3,155)
Program Change 14 - St. Elizabeths Physical Security	-	-	(\$1,162)

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Program Changes (Dollars in Thousands)	FY 2019 President's Budget		
	Positions	FTE	Amount
Centrally Managed Accounts	-	-	(\$1,162)
Program Change 15 - Four HC-130H Aircraft - Planned	(112)	(56)	(\$16,235)
Military Pay and Allowances	(112)	(56)	(\$5,004)
Training and Recruiting	-	-	(\$879)
Operating Funds and Unit Level Maintenance	-	-	(\$3,495)
Centrally Managed Accounts	-	-	(\$40)
Intermediate and Depot Level Maintenance	-	-	(\$6,817)
Total Program Changes	109	(50)	\$57,810

Program Change 1 – Aircraft FAA Compliance & Obsolete Equipment Replacement (\$20.2M): Provides funding to continue necessary upgrades and associated equipment replacement to ensure Coast Guard HC-130J and HC-144 aircraft comply with Federal Aviation Administration (FAA) 2020 requirements. This continues a multi-year maintenance and obsolete equipment replacement program that is conducted in conjunction with planned depot maintenance for the HC-144s and with a Joint Users Group, including partners from all U.S. Government HC-130J users. Funding also initiates integration, testing, and fielding of Automatic Dependent Surveillance-Broadcast (ADS-B) capability on all aircraft to comply with FAA 2020 requirements. Upgrades are required for aircraft to remain usable in all flight regimes and airspace in 2020.

Program Change 2 – MILSATCOM Obsolete Equipment Replacement (\$9.3M): Provides funding to start the Mobile User Objective System (MUOS) integration on assets with existing Military Satellite Communications (MILSATCOM) Ultra High Frequency (UHF) communication capabilities. MILSATCOM provides a reliable means of communication in theater, disaster areas, and remote latitudes and also permits consistent data exchange for maritime domain awareness (MDA) and law enforcement missions. The existing MILSATCOM UHF Follow-On system is beyond its service life and is experiencing system degradation and performance issues. The current system will be nonfunctional by 2024 and must be replaced by MUOS. Operational assets that do not integrate to MUOS will lose MILSATCOM UHF communication capabilities. Obsolete equipment on all aircraft and surface assets more than 110 feet in length, as well as shore command and control facilities must be replaced.

Program Change 3 – Mission Essential Systems (MES) (\$5.0M): Provides funding for information technology infrastructure improvements to the Coast Guard One Network, the Service's primary unclassified computer network. Funding also supports the Coast Guard's compliance with DOD information network standards for improved cyber security (e.g., firewall functions, intrusion detection and prevention, enterprise infrastructure, and virtual routing). As a military service, the Coast Guard operates on the dot-mil network and must remain interoperable with DOD for national security and national defense missions.

Program Change 4 – Cutter Underway Connectivity Obsolete Equipment Replacement (1 Position, 1 FTE, \$1.4M): Provides funding and one position / FTE to start a multi-year process to address obsolescence and replace existing Commercial Satellite Communication (COMSATCOM) equipment providing network connectivity for surface assets. Current generation COMSATCOM equipment is near the end of its service life and is

no longer commercially available or supported. Underway connectivity requirements, including bandwidth and reliability, have increased significantly since the installation of the current generation equipment. Additionally, time-sensitive system patching necessary to address cyber threats has slowed computer network connectivity for underway surface assets.

Program Change 5 – DHS Immigration Database Initiative (IDI) (1 Position, 1 FTE, \$0.1M): Provides funding and one position / FTE to manage, analyze, and disseminate immigration data across DHS. The absence of a Department-wide integrated system prevents analysis of immigration enforcement and benefits lifecycles and construction of a comprehensive empirical model to support strategic-level decision making. As the primary component responsible for undocumented migrant interdiction in the maritime environment, the Coast Guard's immigration data must be included in any integrated effort to consolidate Department-wide data to inform and strengthen strategic decision-making.

Program Change 6 – Department of State Special Issuance Passports (Official & Diplomatic) (\$0.8M): Provides funding for new mandatory reimbursements to the Department of State (DOS) for special issuance passports (official and diplomatic) for Coast Guard personnel and expenses for passport agent certification required for Coast Guard passport agents. Funding also supports Foreign Affairs Counter Threat (FACT) training required for personnel traveling overseas on official government business.

Program Change 7 – Acquisition Personnel & Management (92 Positions, 46 FTE, \$6.8M): Provides funding and 92 positions / 46 FTE to increase the Coast Guard's professional acquisition workforce. Additional acquisition professionals are required to oversee and support the following programs and activities (not all inclusive): Polar Icebreaker, Offshore Patrol Cutter, In-Service Vessel Sustainment, Financial Cost Estimators, and Professional Staff. Personnel are required as new programs ramp up (e.g., OPC, Polar) while also maintaining existing programs that have not yet completed (e.g., NSC, FRC). Further, other staff is needed to meet DHS acquisition requirements (e.g., Cost Estimators).

Program Change 8 – Shore Facility Follow-On (8 Positions, 4 FTE, \$2.6M): Provides funding and 8 positions / 4 FTE for the operation and maintenance of recapitalized shore facilities scheduled for completion prior to and during 2019, as well as shore support requirements for DHS. This funding request is necessary for energy, utility services, and routine repairs. Also included is funding for maintenance and repairs (e.g., system renewals, preventive and emergency maintenance, scheduled inspections, etc.) anticipated throughout the life of each new Coast Guard facility.

Additionally, the request provides the resources required to operate and maintain new and improved facilities completed under the following PC&I projects:

- Air Station Cape Cod Housing
- Hurricane Sandy Repairs to Stations Sandy Hook, Atlantic City, Manasquan, and New York
- Air Stations Sacramento, Elizabeth City, and Clearwater Shore Facilities
- Sector/Air Station Corpus Christi Facilities Improvements
- Stations Fairport and Vallejo Facilities Improvements
- Forward Operating Location Cold Bay, Alaska Hangar Facilities
- Base Kodiak Housing

- Training Center Petaluma Wastewater Treatment Facility
- Atlantic Beach, North Carolina Fast Response Cutter Homeport Upgrades
- Training Center Yorktown Small Arms Firing Range

Program Change 9 – Fast Response Cutter (FRC) Follow-On (206 Positions, 112 FTE, \$24.7M): Provides funding and 206 positions / 112 FTE for the operation and maintenance of FRCs.

- **FRC Operations and Maintenance (O&M) for Hulls 31-36 (\$11.3M):** Provides O&M funding for FRC hulls 31-36 to be homeported in Cape May, New Jersey; Galveston, Texas; Honolulu, Hawaii; San Juan, Puerto Rico; and San Pedro, California.
- **FRC Crews for Hulls 34-38 (140 Positions, 84 FTE, \$9.6M):** Provides personnel to operate and maintain FRC hulls 34-38 to be homeported in Cape May, New Jersey; Galveston, Texas; and Honolulu, Hawaii. Advance arrival of the crews is critical to ensure appropriate pre-arrival training is received and to ensure crew readiness prior to cutter delivery.
- **FRC Follow-On Support Hulls 31-38 (66 Positions, 28 FTE, \$3.8M):** Provides personnel for shore-side support of FRC hulls 31-38 to be homeported in Cape May, New Jersey; Galveston, Texas; Honolulu, Hawaii; San Juan, Puerto Rico; and San Pedro, California. These personnel staff the shore-side maintenance teams to conduct vessel, electronics system, and weapons maintenance.

Program Change 10 – National Security Cutter (NSC) Follow-On (76 Positions, 38 FTE, \$24.0M): Provides funding and 76 positions / 38 FTE for the operation and maintenance of NSCs.

- **NSC O&M for NSC 8 (\$17.2M):** Provides O&M for NSC 8, scheduled for delivery in the second quarter of FY 2019 and to be homeported in Honolulu, Hawaii.
- **NSC Tactical Cryptologic Afloat Crew Follow-On (42 Positions, 21 FTE, \$4.4M):** Provides personnel and follow-on funding for required analytic support and training for tactical cryptologic deployers operating and maintaining the tactical cryptologic systems on NSCs. In addition, provides required mission support for tactical cryptologic deployers and enhances the capabilities of the NSC fleet to collect and analyze intelligence, detect and interdict law enforcement targets of interest, and address national security threats in all regions, including the Arctic.
- **NSC Follow-On Support (34 Positions, 17 FTE, \$2.4M):** Provides the final installment of personnel for shore-side support of NSC hulls 7 and 8 to be homeported in Honolulu, Hawaii. These personnel staff the shore-side maintenance teams to conduct vessel, electronics system, and weapons maintenance.

Program Change 11 – C-27J Aircraft Support Follow-On (2 Positions, 1 FTE, \$0.7M): Provides personnel, including associated non-recurring funding for initial flight screening, basic flight training, and fixed-wing advanced training, to support the C-27J aircraft fleet at the Aviation Logistics Center. These personnel support the long-term sustainment requirements to maintain the C-27J fleet.

Program Change 12 – HC-130J Aircraft Follow-On (66 Positions, 34 FTE, \$11.2M): Provides funding for personnel, O&M, and support for HC-130J aircraft #10 and #11.

Program Change 13 – Elimination of Crew Rotation Concept Pilot Program (-231 Positions, -231 FTE, -\$31.7M): Eliminates funding and 231 positions / 231 FTE for Crew Rotation Concept (CRC) operations on National Security Cutter (NSC) hulls 1-3 homeported in Alameda, California. The CRC program consists of a squadron overhead management component in Alameda, a fourth crew for NSC hulls 1-3, additional tactical cryptologic deployers, and O&M funds to increase NSC operational tempo (OPTEMPO). The concept disproportionately increased cost while providing only marginal increases in days in theater and performance. CRC would also have significant negative impacts on cutter crews and maintenance. The multi-crewing concept would result in personnel tempo fluctuations impacting crew work-life, training, and proficiency. Further, the complex cutter schedule reduced the likelihood of completing required maintenance within scheduled maintenance periods and forced either a cost prohibitive, logistically challenging in-theater maintenance period or a reduction in operational presence. Elimination of the CRC program standardizes operations across the NSC fleet and avoids costly and inefficient CRC implementation in the two other NSC homeports, including Charleston, South Carolina and Honolulu, Hawaii.

Program Change 14 – St. Elizabeths Physical Security (-\$1.2M): Reflects savings for Coast Guard Headquarters physical security at the St. Elizabeths campus.

Program Change 15 – Four HC-130H Aircraft – Planned (-112 Positions, -56 FTE, -\$16.2M): Retires four HC-130H airframes and the associated 3,200 flight hours. The HC-130H fleet is beyond its projected service life and is increasingly costly to maintain and operate. These assets are being replaced by more efficient and effective HC-130J aircraft.

Operations and Support Personnel Compensation and Benefits Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Military Pay and Allowances	40,436	40,693	\$2,991,555	\$73.28	40,593	40,060	\$3,085,220	\$76.69	41,054	40,514	\$3,226,086	\$79.37	461	454	\$140,866	\$2.68
Civilian Pay and Benefits	8,016	7,566	\$803,778	\$106.17	8,084	7,121	\$847,764	\$118.96	8,646	7,595	\$924,194	\$121.61	562	474	\$76,430	\$2.65
Reserve Training	-	-	-	-	-	-	-	-	416	409	\$93,634	\$228.69	416	409	\$93,634	\$228.69
Environmental Compliance and Restoration	-	-	-	-	-	-	-	-	25	23	\$3,383	\$147.09	25	23	\$3,383	\$147.09
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	-	-	-	-	-	-	-	-	\$199,360	-	-	-	\$199,360	-
Total	48,452	48,259	\$3,795,333	\$78.44	48,677	47,181	\$3,932,984	\$83.07	50,141	48,541	\$4,446,657	\$91.38	1,464	1,360	\$513,673	\$8.31
Discretionary - Appropriation	48,452	48,259	\$3,795,333	\$78.44	48,677	47,181	\$3,932,984	\$83.07	50,141	48,541	\$4,446,657	\$91.38	1,464	1,360	\$513,673	\$8.31

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay in the RT PPA reflects Full Time Support (FTS) personnel and Reserve personnel; however, Reserve personnel do not contribute to FTP or FTE.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$577,624	\$610,719	\$671,965	\$61,246
11.3 Other than Full-Time Permanent	\$3,786	\$3,795	\$4,384	\$589
11.5 Other Personnel Compensation	\$20,705	\$17,527	\$24,019	\$6,492
11.6 Military Personnel-Basic Allowance for Housing	\$778,046	\$792,072	\$859,692	\$67,620
11.7 Military Personnel	\$1,937,516	\$2,008,860	\$2,148,875	\$140,015
11.8 Special Personal Services Payments	\$6,807	\$7,253	\$7,377	\$124
12.1 Civilian Personnel Benefits	\$201,145	\$215,085	\$233,712	\$18,627
12.2 Military Personnel Benefits	\$266,406	\$271,116	\$493,024	\$221,908
13.0 Benefits for Former Personnel	\$3,298	\$6,557	\$3,609	(\$2,948)
Total - Personnel Compensation and Benefits	\$3,795,333	\$3,932,984	\$4,446,657	\$513,673
Positions and FTE				
Positions - Civilian	8,016	8,084	8,759	675
FTE - Civilian	7,566	7,121	7,693	572

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Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
Positions - Military	40,436	40,593	41,382	789
FTE - Military	40,693	40,060	40,848	788

Operations and Support
Permanent Positions by Grade – Appropriation

Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
O-10	1	1	1	-
O-9	5	5	5	-
O-8	25	25	28	3
O-7	7	7	7	-
O-6	348	347	371	24
O-5	771	771	830	59
O-4	1,277	1,278	1,389	111
O-3	2,255	2,266	2,404	138
O-2	1,379	1,378	1,387	9
O-1	309	320	334	14
CWO	1,637	1,628	1,692	64
E-10	1	1	1	-
E-9	336	336	350	14
E-8	692	703	728	25
E-7	3,372	3,398	3,481	83
E-6	6,254	6,315	6,444	129
E-5	7,687	7,733	7,804	71
E-4	7,561	7,598	7,659	61
E-3	4,451	4,440	4,424	-16
E-2	947	922	922	-
E-1	296	296	296	-
Cadet/OC	825	825	825	-
Total Permanent Positions Military	40,436	40,593	41,382	789

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Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
Total, SES	18	18	20	2
GS-15	185	187	233	46
GS-14	617	614	763	149
GS-13	1,428	1,434	1,687	253
GS-12	1,727	1,749	1,874	125
GS-11	977	986	1,018	32
GS-10	25	26	27	1
GS-9	613	622	642	20
GS-8	148	151	158	7
GS-7	697	697	721	24
GS-6	217	218	230	12
GS-5	132	132	137	5
GS-4	20	20	20	-
GS-3	5	5	5	-
Other Graded Positions	1,207	1,225	1,224	-1
Total Permanent Positions Civilian	8,016	8,084	8,759	675
Total Permanent Positions	48,452	48,677	50,141	1,464
Unfilled Positions EOY Military	578	407	-	-407
Total Perm. Employment (Filled Positions) EOY Military	39,858	40,186	41,374	1,188
Unfilled Positions EOY	1,025	924	781	-143
Total Perm. Employment (Filled Positions) EOY	6,991	7,160	7,952	792
Position Locations				
Headquarters Military	981	934	1,179	245
U.S. Field Military	39,114	39,318	39,862	544
Foreign Field Military	341	341	341	-
Headquarters Civilian	1,070	1,077	1,426	349
U.S. Field Civilian	6,939	7,000	7,326	326
Foreign Field Civilian	7	7	7	-
Averages				
Average Personnel Costs, Officer	109,226	110,688	113,879	3,191
Average Grade, Officer	3	3	3	-
Average Personnel Costs, Enlisted	63,508	65,408	67,122	1,714

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Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
Average Grade, Enlisted	5	5	5	-
Average Personnel Costs, ES Positions	218,700	233,400	245,100	11,700
Average Personnel Costs, GS Positions	111,761	118,957	122,966	4,009
Average Grade, GS Positions	11	11	11	-

Operations and Support Non Pay Budget Exhibits

Non Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Military Pay and Allowances	\$552,556	\$625,875	\$625,009	(\$866)
Civilian Pay and Benefits	\$5,191	\$3,414	\$5,191	\$1,777
Training and Recruiting	\$196,346	\$190,668	\$187,991	(\$2,677)
Operating Funds and Unit Level Maintenance	\$995,519	\$895,518	\$907,894	\$12,376
Centrally Managed Accounts	\$328,746	\$142,788	\$143,641	\$853
Intermediate and Depot Level Maintenance	\$1,043,245	\$1,422,217	\$1,442,048	\$19,831
Reserve Training	-	-	\$24,021	\$24,021
Environmental Compliance and Restoration	-	-	\$10,046	\$10,046
Total	\$3,121,603	\$3,280,480	\$3,345,841	\$65,361
Discretionary - Appropriation	\$3,121,603	\$3,280,480	\$3,345,841	\$65,361

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$232,831	\$157,681	\$241,149	\$83,468
22.0 Transportation of Things	\$107,673	\$71,510	\$110,562	\$39,052
23.1 Rental Payments to GSA	\$50,300	\$46,638	\$56,034	\$9,396
23.2 Rental Payments to Others	\$32,497	\$27,097	\$32,507	\$5,410
23.3 Communications, Utilities, and Misc. Charges	\$156,285	\$174,499	\$163,292	(\$11,207)
24.0 Printing and Reproduction	\$3,018	\$4,176	\$3,207	(\$969)
25.1 Advisory and Assistance Services	\$127,909	\$110,723	\$117,100	\$6,377
25.2 Other Services from Non-Federal Sources	\$304,217	\$498,245	\$400,094	(\$98,151)
25.3 Other Goods and Services from Federal Sources	\$200,068	\$179,876	\$185,842	\$5,966
25.4 Operation and Maintenance of Facilities	\$196,570	\$200,002	\$210,085	\$10,083
25.6 Medical Care	\$302,510	\$361,202	\$347,224	(\$13,978)
25.7 Operation and Maintenance of Equipment	\$663,836	\$689,635	\$660,633	(\$29,002)
25.8 Subsistence & Support of Persons	\$2,071	\$1,500	\$3,978	\$2,478
26.0 Supplies and Materials	\$588,556	\$609,690	\$619,266	\$9,576
31.0 Equipment	\$129,616	\$129,687	\$169,779	\$40,092
32.0 Land and Structures	\$21,352	\$17,786	\$22,504	\$4,718
42.0 Insurance Claims and Indemnities	\$2,294	\$533	\$2,585	\$2,052
Total - Non Pay Object Classes	\$3,121,603	\$3,280,480	\$3,345,841	\$65,361

Military Pay and Allowances – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Military Pay and Allowances	40,436	40,693	\$3,544,111	40,593	40,060	\$3,711,095	41,054	40,514	\$3,851,095	461	454	\$140,000
Total	40,436	40,693	\$3,544,111	40,593	40,060	\$3,711,095	41,054	40,514	\$3,851,095	461	454	\$140,000
Subtotal Discretionary - Appropriation	40,436	40,693	\$3,544,111	40,593	40,060	\$3,711,095	41,054	40,514	\$3,851,095	461	454	\$140,000

The Military Pay and Allowances PPA funds expenses related to compensation and benefits for active duty military personnel. This PPA includes pay, allowances, employer's share of the Federal Insurance Contribution Act (FICA), Social Security credits, and other expenses associated with compensating military personnel. Costs related to compensation are calculated by using the Coast Guard's Standard Personnel Cost (SPC) tables. These tables are updated annually and provide a detailed calculation for each position, broken down by rank/rate, location in the United States or out of the country. Medical costs and permanent change of station (PCS) expenses are calculated based on actuarial factors and historic precedent. The FY 2019 Budget includes a 2.6 percent pay increase for military personnel.

To transition the Coast Guard to CAS in FY 2019, this PPA also reflects the transfer of funding for military acquisition personnel into the O&S appropriation.

The Coast Guard was founded as a military, multi-mission, maritime service. Active duty military personnel ensure the Service remains agile, adaptable, and ready to serve the Nation's maritime interests across a range of dynamic operational environments. As members of one of the Nation's five Armed Forces and the only military service within the Department of Homeland Security (DHS), Coast Guard military personnel conduct missions that protect the public and U.S. interests in the Nation's inland waters, ports, waterways, coastal regions, territorial seas, and on the high seas.

Military Pay and Allowances – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$3,544,111	\$3,711,095	\$3,851,095
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$3,544,111	\$3,711,095	\$3,851,095
Collections – Reimbursable Resources	\$65,584	\$66,560	\$73,522
Total Budget Resources	\$3,609,695	\$3,777,655	\$3,924,617
Obligations (Actual/Projections/Estimates)	\$3,537,684	\$3,711,095	\$3,851,095
Personnel: Positions and FTE			
Enacted/Request Positions	40,436	40,593	41,054
Enacted/Request FTE	40,693	40,060	40,514
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	40,183	41,231	41,709
FTE (Actual/Estimates/Projections)	39,790	40,695	41,165

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Military Pay and Allowances – PPA Collections Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture Source	-	-	-	-	-	-	7	5	\$553
Department of Commerce - Department of Commerce Source	8	8	\$1,213	8	8	\$1,233	6	6	\$887
Department of Defense - Department of Defense Source	425	428	\$42,335	432	442	\$43,215	567	567	\$60,775
Department of Health and Human Services - Department Wide Source	-	-	-	-	-	-	1	1	\$160
Department of Homeland Security - Department of Homeland Security Source	88	90	\$10,305	87	89	\$10,355	63	61	\$8,682
Other Anticipated Reimbursables Source	22	18	\$1,811	22	18	\$1,833	2	2	\$246
Independent Agency - Environmental Protection Agency Source	5	5	\$558	5	5	\$559	2	2	\$186
Department of Justice - Department of Justice Source	2	2	\$331	2	2	\$337	-	-	-
Department of State - Department of State Source	5	5	\$968	5	5	\$918	5	5	\$818
Department of Treasury - Department of the Treasury Source	59	50	\$5,800	59	49	\$5,846	-	-	-
Department of Transportation - Department of Transportation Source	19	18	\$2,263	18	17	\$2,264	1	1	\$135
Office of Director of National Intelligence Source	-	-	-	-	-	-	1	1	\$1,080
Total Collections	633	624	\$65,584	638	635	\$66,560	655	651	\$73,522

Military Pay and Allowances – PPA

Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2017 Enacted	40,436	40,693	\$3,544,111
FY 2018 President's Budget	40,593	40,060	\$3,711,095
FY 2019 Base Budget	40,593	40,060	\$3,711,095
Transfer from PC&I Appropriation to O&S/Military Pay	424	404	\$54,563
Total Transfers	424	404	\$54,563
Annualization of 2018 Initiatives	-	283	\$23,662
Annualization of 2018 Military and Civilian Pay Raise	-	-	\$12,058
2018 NDAA Military Pay Raise Adjustment	-	-	\$6,891
2019 Military Pay Raise	-	-	\$44,869
2019 Military Allowances	-	-	\$26,849
Total, Pricing Increases	-	283	\$114,329
Termination of One-Time Costs	-	-	(\$6,203)
Annualization of FY 2018 Initiative Reductions	-	(142)	(\$12,210)
PPA Technical Base Funding Adjustments	(11)	(11)	(\$6,734)
Total, Pricing Decreases	(11)	(153)	(\$25,147)
Total Adjustments-to-Base	413	534	\$143,745
FY 2019 Current Services	41,006	40,594	\$3,854,840
Acquisition Personnel & Management	44	22	\$3,249
Shore Facility Follow-On	4	2	\$297
Fast Response Cutter (FRC) Follow-On	206	112	\$10,578
National Security Cutter (NSC) Follow-On	66	33	\$3,451
C-27J Aircraft Support Follow-On	2	1	\$185
HC-130J Aircraft Follow-On	66	34	\$3,238
Total, Program Increases	388	204	\$20,998
Elimination of Crew Rotation Concept Pilot Program	(228)	(228)	(\$19,739)
Four HC-130H Aircraft - Planned	(112)	(56)	(\$5,004)
Total, Program Decreases	(340)	(284)	(\$24,743)
FY 2019 Request	41,054	40,514	\$3,851,095
FY 2018 TO FY 2019 Change	461	454	\$140,000

Military Pay and Allowances – PPA Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Military Pay and Allowances	40,436	40,693	\$2,991,555	\$73.28	40,593	40,060	\$3,085,220	\$76.69	41,054	40,514	\$3,226,086	\$79.37	461	454	\$140,866	\$2.68
Total	40,436	40,693	\$2,991,555	\$73.28	40,593	40,060	\$3,085,220	\$76.69	41,054	40,514	\$3,226,086	\$79.37	461	454	\$140,866	\$2.68
Discretionary - Appropriation	40,436	40,693	\$2,991,555	\$73.28	40,593	40,060	\$3,085,220	\$76.69	41,054	40,514	\$3,226,086	\$79.37	461	454	\$140,866	\$2.68

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.6 Military Personnel-Basic Allowance for Housing	\$778,046	\$792,072	\$850,124	\$58,052
11.7 Military Personnel	\$1,937,516	\$2,008,860	\$2,079,713	\$70,853
11.8 Special Personal Services Payments	\$6,807	\$7,253	\$7,307	\$54
12.2 Military Personnel Benefits	\$266,406	\$271,116	\$285,958	\$14,842
13.0 Benefits for Former Personnel	\$2,780	\$5,919	\$2,984	(\$2,935)
Total - Personnel Compensation and Benefits	\$2,991,555	\$3,085,220	\$3,226,086	\$140,866
Positions and FTE				
Positions - Military	40,436	40,593	41,054	461
FTE - Military	40,693	40,060	40,514	454

Pay Cost Drivers

Leading Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted ¹			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Military Pay	39,790	\$2,981,968	\$74.94	40,060	\$3,072,048	\$76.69	40,514	\$3,215,795	\$79.37	454	\$143,747	\$2.68
Other Costs	-	\$9,587	-	-	\$13,172	-	-	\$10,291	-	-	(\$2,881)	-
Total – Pay Cost Drivers	-	\$2,991,555	-	-	\$3,085,220	-	-	\$3,226,086	-	-	\$140,866	-

¹ FY 2017 Enacted reflects actual FTE and pay amounts.

NARRATIVE EXPLANATION OF CHANGES

FTE Change FY 2018-2019: The change reflects a net increase of 454 FTE. The increase is primarily driven by the transfer of military acquisition personnel from the PC&I appropriation to the O&S account. The change includes the annualization of FY 2018 initiatives and FTE increases due to FY 2019 initiatives, including follow-on requirements for new assets delivered via the Coast Guard's acquisition programs (i.e., shore facilities, FRC, NSC, C-27J, and HC-130J). The FTE change also reflects decreases due to the elimination of the CRC pilot program and planned decommissioning of four HC-130H aircraft.

PC&B Change FY 2018-2019: The change includes funding to annualize the 2018 military pay raise of 2.4 percent, 2019 military pay raise of 2.6 percent, and basic allowance for housing (BAH). The change also reflects the transfer of military acquisition personnel from the PC&I appropriation to the O&S account.

Average Cost Change FY 2018-2019: The average cost change is due to personnel cost increases related to the pay raise, allowances, and benefits that affect all FTE. The rate change is also impacted by the transfer of military acquisition personnel, which are generally higher ranks compared to the existing military FTE in this PPA.

Military Pay and Allowances – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Military Pay and Allowances	\$552,556	\$625,875	\$625,009	(\$866)
Total	\$552,556	\$625,875	\$625,009	(\$866)
Discretionary - Appropriation	\$552,556	\$625,875	\$625,009	(\$866)

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$49,403	\$54,535	\$52,514	(\$2,021)
22.0 Transportation of Things	\$45,334	\$68,137	\$48,014	(\$20,123)
23.2 Rental Payments to Others	\$3,848	\$4,163	\$3,848	(\$315)
23.3 Communications, Utilities, and Misc. Charges	\$119	\$136	\$135	(\$1)
24.0 Printing and Reproduction	\$3	\$3	\$3	-
25.1 Advisory and Assistance Services	\$17,781	\$12,255	\$19,406	\$7,151
25.2 Other Services from Non-Federal Sources	\$31,888	\$32,160	\$39,284	\$7,124
25.3 Other Goods and Services from Federal Sources	\$52,509	\$47,780	\$61,200	\$13,420
25.4 Operation and Maintenance of Facilities	\$82	\$93	\$93	-
25.6 Medical Care	\$302,331	\$360,649	\$343,944	(\$16,705)
25.7 Operation and Maintenance of Equipment	\$6,017	\$6,345	\$6,386	\$41
26.0 Supplies and Materials	\$40,632	\$38,363	\$47,486	\$9,123
31.0 Equipment	\$635	\$723	\$722	(\$1)
42.0 Insurance Claims and Indemnities	\$1,974	\$533	\$1,974	\$1,441
Total - Non Pay Object Classes	\$552,556	\$625,875	\$625,009	(\$866)

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Military Health Care	\$383,589	\$437,124	\$436,384	(\$740)
Permanent Change of Station	\$147,060	\$166,030	\$155,996	(\$10,034)
Other Costs	\$21,907	\$22,721	\$32,629	\$9,908
Total – Non Pay Cost Drivers	\$552,556	\$625,875	\$625,009	(\$866)

NON PAY NARRATIVE

Medical Health Care: Request is derived from actuarial projections of medical costs to support military personnel. This reflects cost changes that affect all FTE.

Permanent Change of Station: Request is derived from historical analysis of costs associated with moving military personnel between duty stations.

Other Costs: Reflects miscellaneous military support costs. The other cost increases are primarily driven by the transfer of military acquisition personnel from the PC&I appropriation to the O&S account.

Civilian Pay and Benefits - PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Civilian Pay and Benefits	8,016	7,566	\$808,969	8,084	7,121	\$851,178	8,646	7,595	\$929,385	562	474	\$78,207
Total	8,016	7,566	\$808,969	8,084	7,121	\$851,178	8,646	7,595	\$929,385	562	474	\$78,207
Subtotal Discretionary - Appropriation	8,016	7,566	\$808,969	8,084	7,121	\$851,178	8,646	7,595	\$929,385	562	474	\$78,207

The Civilian Pay and Benefits PPA funds expenses related to compensation and entitlements for Federal civilian employees. The workforce is composed of General Schedule (GS) personnel, Administrative Law (AL) Judges, Senior Executive Service (SES) personnel, personnel whose salaries are Administratively Determined (AD) (e.g., Coast Guard Academy civilian faculty members), Wage Grade (WG) positions employed in industrial operations, and “Non-Ceiling” (NC) employees (e.g., cooperative education students, student aides, and Federal junior fellows). The FY 2019 Budget includes funding for retirement contributions for the Federal Employees Retirement System (FERS).

To transition the Coast Guard to CAS in FY 2019, this PPA also reflects the transfer of funding for civilian acquisition personnel into the O&S appropriation.

Civilian personnel are an integral part of the Coast Guard and vital to execution of its statutory missions. The Coast Guard continues to complement its military workforce by recruiting diverse, well-educated, and dedicated civilians needed to meet current and future demands.

Civilian Pay and Benefits – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$808,969	\$851,178	\$929,385
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$808,969	\$851,178	\$929,385
Collections – Reimbursable Resources	\$27,529	\$29,224	\$25,092
Total Budget Resources	\$836,498	\$880,402	\$954,477
Obligations (Actual/Projections/Estimates)	\$805,075	\$851,178	\$929,385
Personnel: Positions and FTE			
Enacted/Request Positions	8,016	8,084	8,646
Enacted/Request FTE	7,566	7,121	7,595
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	7,065	8,341	8,891
FTE (Actual/Estimates/Projections)	6,959	7,355	7,834

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Civilian Pay and Benefits – PPA Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture Source	-	-	-	-	-	-	4	2	\$211
Department of Commerce - Department of Commerce Source	-	-	-	-	-	-	2	2	\$263
Department of Defense - Department of Defense Source	173	159	\$18,713	178	165	\$19,956	34	34	\$5,305
Department of Health and Human Services - Department Wide Source	-	-	-	-	-	-	16	12	\$905
Department of Homeland Security - Department of Homeland Security Source	35	33	\$4,398	36	34	\$4,620	161	161	\$15,702
Other Anticipated Reimbursables Source	9	7	\$864	9	7	\$885	7	7	\$916
Independent Agency - Environmental Protection Agency Source	2	2	\$260	2	2	\$273	4	4	\$470
Department of Labor - Department of Labor Source	-	-	-	-	-	-	2	2	\$185
Department of State - Department of State Source	-	-	-	-	-	-	1	1	\$178
Department of Treasury - Department of the Treasury Source	24	18	\$2,427	24	19	\$2,561	1	1	\$187
Department of Transportation - Department of Transportation Source	7	6	\$867	8	7	\$929	6	6	\$562
Office of Director of National Intelligence Source	-	-	-	-	-	-	7	7	\$208
Total Collections	250	225	\$27,529	257	234	\$29,224	245	239	\$25,092

Civilian Pay and Benefits – PPA Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2017 Enacted	8,016	7,566	\$808,969
FY 2018 President's Budget	8,084	7,121	\$851,178
FY 2019 Base Budget	8,084	7,121	\$851,178
Transfer from PC&I Appropriation to O&S/Civilian Pay	490	431	\$63,682
Total Transfers	490	431	\$63,682
Annualization of 2018 Initiatives	-	5	\$576
Annualization of 2018 Military and Civilian Pay Raise	-	-	\$4,221
2019 Civilian Allowances	-	-	\$3,665
PPA Technical Base Funding Adjustments	11	11	\$2,474
Total, Pricing Increases	11	16	\$10,936
Annualization of FY 2018 Initiative Reductions	-	(3)	(\$505)
Total, Pricing Decreases	-	(3)	(\$505)
Total Adjustments-to-Base	501	444	\$74,113
FY 2019 Current Services	8,585	7,565	\$925,291
Cutter Underway Connectivity Obsolete Equipment Replacement	1	1	\$62
DHS Immigration Database Initiative (IDI)	1	1	\$89
Acquisition Personnel & Management	48	24	\$3,354
Shore Facility Follow-On	4	2	\$217
National Security Cutter (NSC) Follow-On	10	5	\$729
Total, Program Increases	64	33	\$4,451
Elimination of Crew Rotation Concept Pilot Program	(3)	(3)	(\$357)
Total, Program Decreases	(3)	(3)	(\$357)
FY 2019 Request	8,646	7,595	\$929,385
FY 2018 TO FY 2019 Change	562	474	\$78,207

Civilian Pay and Benefits - PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Civilian Pay and Benefits	8,016	7,566	\$803,778	\$106.17	8,084	7,121	\$847,764	\$118.96	8,646	7,595	\$924,194	\$121.61	562	474	\$76,430	\$2.65
Total	8,016	7,566	\$803,778	\$106.17	8,084	7,121	\$847,764	\$118.96	8,646	7,595	\$924,194	\$121.61	562	474	\$76,430	\$2.65
Discretionary - Appropriation	8,016	7,566	\$803,778	\$106.17	8,084	7,121	\$847,764	\$118.96	8,646	7,595	\$924,194	\$121.61	562	474	\$76,430	\$2.65

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$577,624	\$610,719	\$664,158	\$53,439
11.3 Other than Full-Time Permanent	\$3,786	\$3,795	\$4,354	\$559
11.5 Other Personnel Compensation	\$20,705	\$17,527	\$23,807	\$6,280
12.1 Civilian Personnel Benefits	\$201,145	\$215,085	\$231,280	\$16,195
13.0 Benefits for Former Personnel	\$518	\$638	\$595	(\$43)
Total - Personnel Compensation and Benefits	\$803,778	\$847,764	\$924,194	\$76,430
Positions and FTE				
Positions - Civilian	8,016	8,084	8,646	562
FTE - Civilian	7,566	7,121	7,595	474

Pay Cost Drivers

Leading Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted ¹			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Pay and Allowances	7,566	\$803,260	\$106.17	7,121	\$847,126	\$118.96	7,595	\$923,599	\$121.61	474	\$76,473	\$2.65
Other Costs	-	\$518	-	-	\$638	-	-	\$595	-	-	(\$43)	-
Total – Pay Cost Drivers	-	\$803,778	-	-	\$847,764	-	-	\$924,194	-	-	\$76,430	-

¹ FY 2017 Enacted reflects actual FTE and pay amounts.

NARRATIVE EXPLANATION OF CHANGES

FTE Change FY 2018-2019: The change reflects a net increase of 474 FTE. The increase is primarily driven by the transfer of civilian acquisition personnel from the PC&I appropriation to the O&S account. The change includes the annualization of FY 2018 initiatives and FTE increases due to FY 2019 initiatives, including follow-on requirements for new assets delivered via the Coast Guard's acquisition programs (i.e., shore facilities and NSC). The FTE change also reflects decreases due to the elimination of the CRC pilot program.

PC&B Change FY 2018-2019: The change includes funding to annualize the 2018 civilian pay raise of 1.9 percent and funding for required government contributions to FEGLI, FEHB, and TSP. The change also reflects the transfer of civilian acquisition personnel from the PC&I appropriation to the O&S account.

Average Cost Change FY 2018-2019: The average cost change is due to personnel cost increases related to the pay raise annualization and benefits that impact all FTE. The rate change is also impacted by the transfer of civilian acquisition personnel, which are generally higher grades compared to the existing civilian FTE in this PPA.

Bonuses and Performance Awards: The FY 2019 Budget request estimates \$10.0M for bonuses and performance awards.

Civilian Pay and Benefits – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Civilian Pay and Benefits	\$5,191	\$3,414	\$5,191	\$1,777
Total	\$5,191	\$3,414	\$5,191	\$1,777
Discretionary - Appropriation	\$5,191	\$3,414	\$5,191	\$1,777

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$2,021	\$312	\$2,021	\$1,709
22.0 Transportation of Things	\$1,261	\$1,530	\$1,261	(\$269)
25.2 Other Services from Non-Federal Sources	\$100	\$261	\$100	(\$161)
25.3 Other Goods and Services from Federal Sources	\$1,809	\$1,311	\$1,809	\$498
Total - Non Pay Object Classes	\$5,191	\$3,414	\$5,191	\$1,777

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Civilian Support	\$5,191	\$3,414	\$5,191	\$1,777
Total – Non Pay Cost Drivers	\$5,191	\$3,414	\$5,191	\$1,777

NON PAY NARRATIVE

Civilian Support: Reflects increases for miscellaneous civilian personnel support costs (e.g., relocation, transit benefits, and legal settlements). The change reflects adjustments based on FY 2017 execution data.

*Training and Recruiting - PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Training and Recruiting	-	-	\$196,346	-	-	\$190,668	-	-	\$187,991	-	-	(\$2,677)
Total	-	-	\$196,346	-	-	\$190,668	-	-	\$187,991	-	-	(\$2,677)
Subtotal Discretionary - Appropriation	-	-	\$196,346	-	-	\$190,668	-	-	\$187,991	-	-	(\$2,677)

The Training and Recruiting PPA provides funding for the Coast Guard's basic and advanced professional training and education programs. Additionally, it funds the operation and maintenance of the eight national Coast Guard training centers, the Coast Guard Academy, nine regional training centers, and all Coast Guard recruiting centers. The Coast Guard's Force Readiness Command serves as the principal training component charged with optimizing human performance to enhance mission execution. The Force Readiness Command provides clear tactics, techniques, and procedures, relevant training, and quality assessments throughout the fleet. Enhanced safety and efficiencies and unit readiness is realized through service-wide assessments and standardization, and the management of armories, ammunition and small arms firing ranges.

Annually the Coast Guard training system conducts Basic Training for 4,500 recruits and commissions 300 officers. Further, initial enlisted specialty training occurs at 19 "A" school programs, and advanced and specialized training is conducted in over 675 "C" school programs.

The Training and Recruiting PPA also includes essential funding to recruit and process Coast Guard applicants into the enlisted and officer corps, including expenses for members that are processed through the Military Entrance Processing Stations (MEPS) prior to accession. In addition, funding provides for tuition, travel, and per diem for formal training and education performed by military service members and civilian personnel. Through internal and external efficiency reviews and prioritization efforts, it ensures prudent allocation of resources for training and workforce preparation that arm Coast Guard personnel with the knowledge, skills, and abilities necessary to execute missions.

The Coast Guard maintains a rigorous set of standard operating procedures to ensure the validity and reliability of training and stewardship of training resources. In addition to the training provided by the Coast Guard, the funding also ensures adequate resources are available for opportunities provided through other DHS training facilities, DOD, other Government agencies, and commercial providers. Training and education are conducted by dedicated resident staffs in classrooms, but may also include exportable training, correspondence courses, and/or computer-based training.

Training and Recruiting – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$196,346	\$190,668	\$187,991
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$1,400	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$197,746	\$190,668	\$187,991
Collections – Reimbursable Resources	-	-	\$2,100
Total Budget Resources	\$197,746	\$190,668	\$190,091
Obligations (Actual/Projections/Estimates)	\$197,410	\$190,668	\$187,991
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Training and Recruiting – PPA

Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$196,346
FY 2018 President's Budget	-	-	\$190,668
FY 2019 Base Budget	-	-	\$190,668
Annualization of 2018 Initiatives	-	-	\$1,567
Total, Pricing Increases	-	-	\$1,567
Termination of One-Time Costs	-	-	(\$4,475)
Annualization of FY 2018 Initiative Reductions	-	-	(\$493)
PPA Technical Base Funding Adjustments	-	-	(\$652)
Total, Pricing Decreases	-	-	(\$5,620)
Total Adjustments-to-Base	-	-	(\$4,053)
FY 2019 Current Services	-	-	\$186,615
Department of State Passports (Official & Diplomatic)	-	-	\$581
Shore Facility Follow-On	-	-	\$12
Fast Response Cutter (FRC) Follow-On	-	-	\$559
National Security Cutter (NSC) Follow-On	-	-	\$775
C-27J Aircraft Support Follow-On	-	-	\$438
HC-130J Aircraft Follow-On	-	-	\$656
Total, Program Increases	-	-	\$3,021
Elimination of Crew Rotation Concept Pilot Program	-	-	(\$766)
Four HC-130H Aircraft - Planned	-	-	(\$879)
Total, Program Decreases	-	-	(\$1,645)
FY 2019 Request	-	-	\$187,991
FY 2018 TO FY 2019 Change	-	-	(\$2,677)

Training and Recruiting – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Training and Recruiting	\$196,346	\$190,668	\$187,991	(\$2,677)
Total	\$196,346	\$190,668	\$187,991	(\$2,677)
Discretionary - Appropriation	\$196,346	\$190,668	\$187,991	(\$2,677)

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$49,872	\$39,340	\$47,555	\$8,215
22.0 Transportation of Things	\$7,026	-	\$7,026	\$7,026
23.2 Rental Payments to Others	\$2,448	\$2,462	\$2,448	(\$14)
23.3 Communications, Utilities, and Misc. Charges	\$10,860	\$11,459	\$10,694	(\$765)
24.0 Printing and Reproduction	\$362	\$858	\$379	(\$479)
25.1 Advisory and Assistance Services	\$16,618	\$23,903	\$11,991	(\$11,912)
25.2 Other Services from Non-Federal Sources	\$59,004	\$56,489	\$59,796	\$3,307
25.3 Other Goods and Services from Federal Sources	\$9,299	\$7,686	\$8,147	\$461
25.4 Operation and Maintenance of Facilities	\$8,736	\$16,499	\$8,736	(\$7,763)
25.7 Operation and Maintenance of Equipment	\$5,874	\$1,325	\$4,761	\$3,436
25.8 Subsistence & Support of Persons	\$1,008	\$708	\$1,023	\$315
26.0 Supplies and Materials	\$21,864	\$26,295	\$22,102	(\$4,193)
31.0 Equipment	\$3,375	\$3,644	\$3,333	(\$311)
Total - Non Pay Object Classes	\$196,346	\$190,668	\$187,991	(\$2,677)

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Training and Education	\$99,025	\$93,833	\$90,154	(\$3,679)
Recruiting and Training Centers	\$97,321	\$96,835	\$97,837	\$1,002
Total – Non Pay Cost Drivers	\$196,346	\$190,668	\$187,991	(\$2,677)

NON PAY NARRATIVE

Training and Education: Funding supports formal training, including temporary duty pay for civilian and military personnel, and travel costs. The change is primarily driven by termination of FY 2018 one-time training costs and PPA technical base funding adjustments. The change also reflects both one-time and recurring training costs associated with bringing new assets (i.e., NSC, FRC, C-27J, and HC-130J) into service, including training requirements for crews and support personnel. In addition, the change includes increases for Foreign Affairs Counter Threat (FACT) training costs associated with the DOS Special Issuance Passports (Official & Diplomatic) program change.

Recruiting and Training Centers: Funding supports the operating and maintenance expenses for Coast Guard training and recruiting centers. It also includes funding for tuition, formal training, and associated costs. The change is primarily driven by NSC and FRC follow-on funding for training provided at Coast Guard training centers. The change also reflects increases for annualization of FY 2018 initiatives and PPA technical base funding adjustments.

Operating Funds and Unit Level Maintenance – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Operating Funds and Unit Level Maintenance	-	-	\$995,519	-	-	\$895,518	-	-	\$907,894	-	-	\$12,376
Total	-	-	\$995,519	-	-	\$895,518	-	-	\$907,894	-	-	\$12,376
Subtotal Discretionary - Appropriation	-	-	\$995,519	-	-	\$895,518	-	-	\$907,894	-	-	\$12,376

The Operating Funds and Unit Level Maintenance PPA provides funds for units, facilities, and activities that are under the direct operational and administrative control of the Coast Guard's Headquarters and Atlantic Area or Pacific Area Commanders. These include National Security Cutters (NSC); High and Medium Endurance Cutters (WHECs/WMECs); Sectors; Patrol Boats; Multi-mission Boat Stations; Air Stations; Communication Stations; Deployable Specialized Forces (DSF); support commands; and Area and District Offices. The funding provides supplies, materials, and services that allow the Coast Guard to sustain its operations tempo and an immediate response capability. The request funds unit level maintenance of cutters, boats, aircraft, electronics systems, mechanical systems, and electrical equipment; service-life replacement and emergent purchase of boats; procurement of supplies and materials utilized for unit "housekeeping" and administration; spare parts; liquid fuel and energy; and other materials consumed that contribute directly to mission effectiveness.

Operating Funds and Unit Level Maintenance – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$995,519	\$895,518	\$907,894
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$16,513	\$10,668	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$1,012,032	\$906,186	\$907,894
Collections – Reimbursable Resources	\$157,717	\$121,847	\$125,582
Total Budget Resources	\$1,169,749	\$1,028,033	\$1,033,476
Obligations (Actual/Projections/Estimates)	\$998,949	\$906,186	\$907,894
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Operating Funds and Unit Level Maintenance – PPA Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>		FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture	Source	-	-	-	-	-	-	-	-	\$33
Department of Commerce - Department of Commerce	Source	-	-	-	-	-	-	-	-	\$1,429
Department of Defense - Department of Defense	Source	-	-	-	-	-	-	-	-	\$70,511
Department of Health and Human Services - Department Wide	Source	-	-	-	-	-	-	-	-	\$43
Department of Homeland Security - Department of Homeland Security	Source	-	-	-	-	-	-	-	-	\$17,729
Department of Homeland Security - Federal Emergency Management Agency	Source	-	-	\$18	-	-	\$18	-	-	-
Other Anticipated Reimbursables	Source	-	-	-	-	-	-	-	-	\$16,150
Independent Agency - Environmental Protection Agency	Source	-	-	-	-	-	-	-	-	\$4,044
Operational Reimbursements	Source	-	-	\$157,699	-	-	\$121,829	-	-	-
Department of Labor - Department of Labor	Source	-	-	-	-	-	-	-	-	\$194
Department of State - Department of State	Source	-	-	-	-	-	-	-	-	\$14,376
Department of Treasury - Department of the Treasury	Source	-	-	-	-	-	-	-	-	\$817
Department of Transportation - Department of Transportation	Source	-	-	-	-	-	-	-	-	\$216
Office of Director of National Intelligence	Source	-	-	-	-	-	-	-	-	\$40
Total Collections		-	-	\$157,717	-	-	\$121,847	-	-	\$125,582

Operating Funds and Unit Level Maintenance – PPA

Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$995,519
FY 2018 President's Budget	-	-	\$895,518
FY 2019 Base Budget	-	-	\$895,518
Transfer to DHS CHCO/OCFO WCF for payroll services & WDD activities	-	-	(\$2,302)
Total Transfers	-	-	(\$2,302)
Annualization of 2018 Initiatives	-	-	\$10,278
OCONUS (Kodiak) Base Operating Support Services	-	-	\$4,900
Total, Pricing Increases	-	-	\$15,178
Termination of One-Time Costs	-	-	(\$4,198)
Annualization of FY 2018 Initiative Reductions	-	-	(\$4,548)
PPA Technical Base Funding Adjustments	-	-	(\$435)
Total, Pricing Decreases	-	-	(\$9,181)
Total Adjustments-to-Base	-	-	\$3,695
FY 2019 Current Services	-	-	\$899,213
Cutter Underway Connectivity Obsolete Equipment Replacement	-	-	\$3
DHS Immigration Database Initiative (IDI)	-	-	\$9
Department of State Passports (Official & Diplomatic)	-	-	\$188
Acquisition Personnel & Management	-	-	\$91
Shore Facility Follow-On	-	-	\$1,110
Fast Response Cutter (FRC) Follow-On	-	-	\$6,238
National Security Cutter (NSC) Follow-On	-	-	\$9,913
C-27J Aircraft Support Follow-On	-	-	\$16
HC-130J Aircraft Follow-On	-	-	\$2,248
Total, Program Increases	-	-	\$19,816
Elimination of Crew Rotation Concept Pilot Program	-	-	(\$7,640)
Four HC-130H Aircraft - Planned	-	-	(\$3,495)
Total, Program Decreases	-	-	(\$11,135)
FY 2019 Request	-	-	\$907,894
FY 2018 TO FY 2019 Change	-	-	\$12,376

**Operating Funds and Unit Level Maintenance – PPA
Non Pay Budget Exhibits**

Non Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Operating Funds and Unit Level Maintenance	\$995,519	\$895,518	\$907,894	\$12,376
Total	\$995,519	\$895,518	\$907,894	\$12,376
Discretionary - Appropriation	\$995,519	\$895,518	\$907,894	\$12,376

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$119,033	\$55,708	\$121,036	\$65,328
22.0 Transportation of Things	\$37,336	-	\$37,336	\$37,336
23.2 Rental Payments to Others	\$24,653	\$19,100	\$24,663	\$5,563
23.3 Communications, Utilities, and Misc. Charges	\$72,484	\$83,575	\$72,215	(\$11,360)
24.0 Printing and Reproduction	\$2,624	\$3,153	\$2,712	(\$441)
25.1 Advisory and Assistance Services	\$18,071	\$16,732	\$17,432	\$700
25.2 Other Services from Non-Federal Sources	\$142,455	\$216,520	\$153,298	(\$63,222)
25.3 Other Goods and Services from Federal Sources	\$58,957	\$69,069	\$55,738	(\$13,331)
25.4 Operation and Maintenance of Facilities	\$50,710	\$42,342	\$57,924	\$15,582
25.6 Medical Care	\$179	\$553	\$179	(\$374)
25.7 Operation and Maintenance of Equipment	\$135,410	\$14,532	\$17,223	\$2,691
25.8 Subsistence & Support of Persons	\$1,063	\$792	\$960	\$168
26.0 Supplies and Materials	\$279,830	\$331,166	\$293,502	(\$37,664)
31.0 Equipment	\$52,284	\$41,976	\$53,246	\$11,270
32.0 Land and Structures	\$110	\$300	\$110	(\$190)
42.0 Insurance Claims and Indemnities	\$320	-	\$320	\$320
Total - Non Pay Object Classes	\$995,519	\$895,518	\$907,894	\$12,376

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Area Commands	\$153,632	\$167,406	\$164,019	(\$3,387)
District Area Commands	\$283,693	\$295,099	\$298,672	\$3,573
Headquarters	\$222,367	\$205,353	\$205,207	(\$146)
Logistics and Service Centers	\$335,827	\$227,660	\$239,996	\$12,336
Total – Non Pay Cost Drivers	\$995,519	\$895,518	\$907,894	\$12,376

NON PAY NARRATIVE

Area Commands: Funds all units, facilities, and activities that are under the direct operational control of the Coast Guard's Atlantic and Pacific Area Commanders. The change is primarily driven by the elimination of the CRC pilot program. In addition, the change reflects increases for follow-on funding for the eighth NSC.

District Area Commands: Funds all units, facilities, and activities that are under the direct operational control of the Coast Guard's District Commanders. The change is primarily driven by follow-on funding for the FRC and HC-130J aircraft. In addition, the change reflects decreases for termination of funding due to the retirement of four HC-130H aircraft.

Headquarters: Funds Coast Guard Headquarters and centralized activities which support field operations. The change is primarily driven by the transfer of working capital contributions to DHS Chief Readiness Support Officer (CRSO) and DHS OCFO, annualization of FY 2018 initiative reductions, and PPA technical base funding adjustments. In addition, the change reflects increases for follow-on funding to facilitate the efficient execution and oversight of NSC and FRC operations.

Logistics and Service Centers: Funds all units, facilities, and activities under the direct operational control of Coast Guard Headquarters. The change is primarily driven by follow-on funding for the NSC and FRC, as well as follow-on funding to maintain and operate recapitalized shore facilities. In addition, the change reflects the pricing increase of the Base Operating Support Services contract in Kodiak, Alaska.

*Centrally Managed Accounts – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Centrally Managed Accounts	-	-	\$328,746	-	-	\$142,788	-	-	\$143,641	-	-	\$853
Total	-	-	\$328,746	-	-	\$142,788	-	-	\$143,641	-	-	\$853
Subtotal Discretionary - Appropriation	-	-	\$328,746	-	-	\$142,788	-	-	\$143,641	-	-	\$853

The Centrally Managed Accounts PPA funds services provided to the entire Coast Guard. The major accounts include: General Services Administration (GSA) rent, postal expenses, ammunition replenishment, and the DHS Working Capital Fund (WCF).

Centrally Managed Accounts – PPA Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$328,746	\$142,788	\$143,641
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$3,800	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$332,546	\$142,788	\$143,641
Collections – Reimbursable Resources	-	-	\$1,602
Total Budget Resources	\$332,546	\$142,788	\$145,243
Obligations (Actual/Projections/Estimates)	\$332,202	\$142,788	\$143,641
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Centrally Managed Accounts – PPA

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$328,746
FY 2018 President's Budget	-	-	\$142,788
FY 2019 Base Budget	-	-	\$142,788
GSA and Other Governmental Rent	-	-	\$1,962
Total, Pricing Increases	-	-	\$1,962
PPA Technical Base Funding Adjustments	-	-	(\$50)
Total, Pricing Decreases	-	-	(\$50)
Total Adjustments-to-Base	-	-	\$1,912
FY 2019 Current Services	-	-	\$144,700
DHS Immigration Database Initiative (IDI)	-	-	\$5
Fast Response Cutter (FRC) Follow-On	-	-	\$46
National Security Cutter (NSC) Follow-On	-	-	\$62
HC-130J Aircraft Follow-On	-	-	\$30
Total, Program Increases	-	-	\$143
St. Elizabeths Physical Security	-	-	(\$1,162)
Four HC-130H Aircraft - Planned	-	-	(\$40)
Total, Program Decreases	-	-	(\$1,202)
FY 2019 Request	-	-	\$143,641
FY 2018 TO FY 2019 Change	-	-	\$853

Centrally Managed Accounts – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Centrally Managed Accounts	\$328,746	\$142,788	\$143,641	\$853
Total	\$328,746	\$142,788	\$143,641	\$853
Discretionary - Appropriation	\$328,746	\$142,788	\$143,641	\$853

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$262	-	\$262	\$262
22.0 Transportation of Things	\$2,799	-	\$2,799	\$2,799
23.1 Rental Payments to GSA	\$50,300	\$46,638	\$56,032	\$9,394
23.3 Communications, Utilities, and Misc. Charges	\$68,414	\$18,816	\$13,056	(\$5,760)
25.1 Advisory and Assistance Services	\$10,489	\$875	\$1,875	\$1,000
25.2 Other Services from Non-Federal Sources	\$14,814	\$21,607	\$2,097	(\$19,510)
25.3 Other Goods and Services from Federal Sources	\$68,654	\$39,400	\$44,810	\$5,410
25.4 Operation and Maintenance of Facilities	\$361	-	\$361	\$361
25.7 Operation and Maintenance of Equipment	\$52,594	\$7,852	\$7,910	\$58
26.0 Supplies and Materials	\$13,589	\$1,784	\$8,314	\$6,530
31.0 Equipment	\$46,470	\$5,816	\$6,125	\$309
Total - Non Pay Object Classes	\$328,746	\$142,788	\$143,641	\$853

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Working Capital Fund	\$70,286	\$63,455	\$64,155	\$700
Other Costs	\$258,460	\$79,333	\$79,486	\$153
Total – Non Pay Cost Drivers	\$328,746	\$142,788	\$143,641	\$853

NON PAY NARRATIVE

Working Capital Fund: Funds the Coast Guard's contribution to the DHS WCF. In addition, the change reflects the net decrease associated with Coast Guard Headquarters physical security at the St. Elizabeths campus and pricing increases for General Services Administration (GSA) and other Governmental rent.

Other Costs: Funds centrally managed services provided to the entire Coast Guard.

*Intermediate and Depot Level Maintenance –PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Intermediate and Depot Level Maintenance	-	-	\$1,043,245	-	-	\$1,422,217	-	-	\$1,442,048	-	-	\$19,831
Total	-	-	\$1,043,245	-	-	\$1,422,217	-	-	\$1,442,048	-	-	\$19,831
Subtotal Discretionary - Appropriation	-	-	\$1,043,245	-	-	\$1,422,217	-	-	\$1,442,048	-	-	\$19,831

The Intermediate and Depot Level Maintenance PPA funds the Coast Guard's depot level maintenance for the Service's vessels, aircraft, and shore facilities. This PPA also funds maintenance and support of enterprise IT software systems, enterprise communication/network services, standard workstations, the Coast Guard Data Network (CGOne), cybersecurity, satellite and data communications, and other Coast Guard-wide Command, Control, Communication, Computers, and Information Technology (C4IT) systems. The Coast Guard maintains its vessels, aircraft, shore infrastructure, and C4IT systems using a blend of organic maintenance and repair infrastructure, and contracted depot level maintenance activities. A mature project planning and execution program exists within the Coast Guard to provide routine organizational level and depot level maintenance. Where expertise or infrastructure does not exist organically within the Service, the Coast Guard uses contracted resources to provide the requisite maintenance support.

Intermediate and Depot Level Maintenance – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$1,043,245	\$1,422,217	\$1,442,048
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$1,043,245	\$1,422,217	\$1,442,048
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$1,043,245	\$1,422,217	\$1,442,048
Obligations (Actual/Projections/Estimates)	\$1,030,587	\$1,422,217	\$1,442,048
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Intermediate and Depot Level Maintenance – PPA

Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$1,043,245
FY 2018 President's Budget	-	-	\$1,422,217
FY 2019 Base Budget	-	-	\$1,422,217
Transfer to DHS CRSO for St. Elizabeths IT Support	-	-	(\$15,600)
Total Transfers	-	-	(\$15,600)
Annualization of 2018 Initiatives	-	-	\$13,164
PPA Technical Base Funding Adjustments	-	-	\$5,397
Total, Pricing Increases	-	-	\$18,561
Termination of One-Time Costs	-	-	(\$22,270)
Annualization of FY 2018 Initiative Reductions	-	-	(\$9,323)
Total, Pricing Decreases	-	-	(\$31,593)
Total Adjustments-to-Base	-	-	(\$28,632)
FY 2019 Current Services	-	-	\$1,393,585
Aircraft FAA Compliance & Obsolete Equipment Replacement	-	-	\$20,233
MILSATCOM Obsolete Equipment Replacement	-	-	\$9,324
Mission Essential Systems (MES)	-	-	\$5,000
Cutter Underway Connectivity Obsolete Equipment Replacement	-	-	\$1,331
DHS Immigration Database Initiative (IDI)	-	-	\$6
Acquisition Personnel & Management	-	-	\$108
Shore Facility Follow-On	-	-	\$1,000
Fast Response Cutter (FRC) Follow-On	-	-	\$7,313
National Security Cutter (NSC) Follow-On	-	-	\$9,067
C-27J Aircraft Support Follow-On	-	-	\$49
HC-130J Aircraft Follow-On	-	-	\$5,004
Total, Program Increases	-	-	\$58,435
Elimination of Crew Rotation Concept Pilot Program	-	-	(\$3,155)
Four HC-130H Aircraft - Planned	-	-	(\$6,817)
Total, Program Decreases	-	-	(\$9,972)
FY 2019 Request	-	-	\$1,442,048

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 TO FY 2019 Change	-	-	\$19,831

Intermediate and Depot Level Maintenance – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Intermediate and Depot Level Maintenance	\$1,043,245	\$1,422,217	\$1,442,048	\$19,831
Total	\$1,043,245	\$1,422,217	\$1,442,048	\$19,831
Discretionary - Appropriation	\$1,043,245	\$1,422,217	\$1,442,048	\$19,831

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$12,240	\$7,786	\$11,352	\$3,566
22.0 Transportation of Things	\$13,917	\$1,843	\$13,542	\$11,699
23.2 Rental Payments to Others	\$1,548	\$1,372	\$1,548	\$176
23.3 Communications, Utilities, and Misc. Charges	\$4,408	\$60,513	\$66,695	\$6,182
24.0 Printing and Reproduction	\$29	\$162	\$61	(\$101)
25.1 Advisory and Assistance Services	\$64,950	\$56,958	\$66,334	\$9,376
25.2 Other Services from Non-Federal Sources	\$55,956	\$171,208	\$135,335	(\$35,873)
25.3 Other Goods and Services from Federal Sources	\$8,840	\$14,630	\$9,276	(\$5,354)
25.4 Operation and Maintenance of Facilities	\$136,681	\$141,068	\$142,971	\$1,903
25.7 Operation and Maintenance of Equipment	\$463,941	\$659,581	\$624,219	(\$35,362)
26.0 Supplies and Materials	\$232,641	\$212,082	\$242,226	\$30,144
31.0 Equipment	\$26,852	\$77,528	\$106,095	\$28,567
32.0 Land and Structures	\$21,242	\$17,486	\$22,394	\$4,908
Total - Non Pay Object Classes	\$1,043,245	\$1,422,217	\$1,442,048	\$19,831

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Aeronautical Depot Level Maintenance	\$340,890	\$348,757	\$350,810	\$2,053
Electronics Maintenance	\$248,308	\$601,171	\$610,041	\$8,870
Civil/Ocean Engineering and Shore Facilities Depot Level Maintenance	\$189,377	\$193,027	\$195,192	\$2,165
Vessel Depot Level Maintenance	\$264,670	\$279,262	\$286,005	\$6,743
Total – Non Pay Cost Drivers	\$1,043,245	\$1,422,217	\$1,442,048	\$19,831

NON PAY NARRATIVE

Aeronautical Depot Level Maintenance: Funds the Coast Guard's depot level maintenance for the Service's aircraft using a blend of organic maintenance and repair infrastructure and contracted depot level maintenance activities. The change is primarily driven by the continued effort to address aircraft FAA compliance requirements and replace obsolete aircraft equipment. In addition, the change includes both increases for aircraft depot maintenance requirements driven by follow-on funding for two HC-130J aircraft and decreases due to the retirement of four HC-130H aircraft.

Electronics Maintenance: Funds the Coast Guard's depot level maintenance for the Service's C4IT systems using a blend of organic maintenance and repair infrastructure and contracted depot level maintenance activities. The change is primarily driven by the replacement of obsolete cutter satellite communications equipment, Mobile User Objective System integration with existing MILSATCOM Ultra High Frequency (UHF) communications capabilities, and infrastructure improvements to the Coast Guard One Network to support Mission Essential Systems. The change also includes increases for electronics depot maintenance requirements driven by follow-on funding for the NSC and FRC. Further, the change reflects the decrease associated with the transfer of funding to DHS CRSO for the St. Elizabeth's campus Technology Integration Program (TIP) contract and the increase due to PPA technical base funding adjustments to support information technology funding consolidation efforts started in FY 2018.

Civil/Ocean Engineering and Shore Facilities Depot Level Maintenance: Funds the Coast Guard's depot level maintenance for the Service's shore infrastructure using a blend of organic maintenance and repair infrastructure and contracted depot level maintenance activities. The change is primarily driven by follow-on funding to maintain and operate recapitalized shore facilities.

Vessel Depot Level Maintenance: Funds the Coast Guard's depot level maintenance for the Service's vessels using a blend of organic maintenance and repair infrastructure and contracted depot level maintenance activities. The change is primarily driven by follow-on funding for vessel depot maintenance requirements for the NSC and FRC. In addition, the change also reflects decreases associated with NSC maintenance requirements due to the elimination of the CRC pilot program.

*Reserve Training - PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Reserve Training	-	-	-	-	-	-	416	409	\$117,655	416	409	\$117,655
Total	-	-	-	-	-	-	416	409	\$117,655	416	409	\$117,655
Subtotal Discretionary - Appropriation	-	-	-	-	-	-	416	409	\$117,655	416	409	\$117,655

As part of the Coast Guard's transition to CAS in FY 2019, Reserve Training transferred from a stand-alone appropriation to a PPA within the O&S appropriation.

The Reserve Training PPA funds the training, operation, and administration of the Coast Guard Reserve Program and ensures the readiness of a 7,000 member Coast Guard Reserve, which provides units with personnel to augment active duty Coast Guard forces during times of crisis, domestically or worldwide.

Coast Guard Reserve Forces provide qualified and trained personnel for active duty in support of a contingency event, conflict, national emergency, or natural and man-made disasters. Reservists maintain their readiness through mobilization and training exercises alongside regular, active duty Coast Guard members during routine and emergency operations. Reservists continue to serve as a cost-effective surge force to enhance the Nation's resilience to disasters.

Reserve Training – PPA Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	-	-	\$117,655
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	-	-	\$117,655
Collections – Reimbursable Resources	-	-	\$138
Total Budget Resources	-	-	\$117,793
Obligations (Actual/Projections/Estimates)	-	-	\$117,655
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	416
Enacted/Request FTE	-	-	409
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	416
FTE (Actual/Estimates/Projections)	-	-	409

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

[illegible]

Reserve Training – PPA Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	-
FY 2018 President's Budget	-	-	-
FY 2019 Base Budget	-	-	-
Transfer from RT Appropriation to O&S/RT	416	409	\$114,875
Total Transfers	416	409	\$114,875
Annualization of 2018 Military and Civilian Pay Raise	-	-	\$455
2018 NDAA Military Pay Raise Adjustment	-	-	\$237
2019 Military Pay Raise	-	-	\$1,563
2019 Military Allowances	-	-	\$484
2019 Civilian Allowances	-	-	\$41
Total, Pricing Increases	-	-	\$2,780
Total Adjustments-to-Base	416	409	\$117,655
FY 2019 Current Services	416	409	\$117,655
FY 2019 Request	416	409	\$117,655
FY 2018 TO FY 2019 Change	416	409	\$117,655

Reserve Training - PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Reserve Training	-	-	-	-	-	-	-	-	416	409	\$93,634	\$228.69	416	409	\$93,634	\$228.69
Total	-	-	-	-	-	-	-	-	416	409	\$93,634	\$228.69	416	409	\$93,634	\$228.69
Discretionary - Appropriation	-	-	-	-	-	-	-	-	416	409	\$93,634	\$228.69	416	409	\$93,634	\$228.69

* Pay in the RT PPA reflects Full Time Support (FTS) personnel and Reserve personnel; however, Reserve personnel do not contribute to FTP or FTE.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	-	-	\$5,428	\$5,428
11.3 Other than Full-Time Permanent	-	-	\$30	\$30
11.5 Other Personnel Compensation	-	-	\$172	\$172
11.6 Military Personnel-Basic Allowance for Housing	-	-	\$9,528	\$9,528
11.7 Military Personnel	-	-	\$69,070	\$69,070
11.8 Special Personal Services Payments	-	-	\$70	\$70
12.1 Civilian Personnel Benefits	-	-	\$1,607	\$1,607
12.2 Military Personnel Benefits	-	-	\$7,699	\$7,699
13.0 Benefits for Former Personnel	-	-	\$30	\$30
Total - Personnel Compensation and Benefits	-	-	\$93,634	\$93,634
Positions and FTE				
Positions - Civilian	-	-	89	89
FTE - Civilian	-	-	76	76
Positions - Military	-	-	327	327
FTE - Military	-	-	333	333

Pay Cost Drivers

Leading Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted ^{1,2}			FY 2018 ¹ President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Military FTS Personnel	331	\$30,079	\$90.87	333	\$30,867	\$92.69	333	\$31,854	\$95.66	-	\$987	\$2.97
Civilian FTS Personnel	68	\$6,478	\$95.26	76	\$7,158	\$94.18	76	\$7,237	\$95.22	-	\$79	\$1.04
Other Costs	-	\$51,544	-	-	\$58,280	-	-	\$54,543	-	-	(\$3,737)	-
Total – Pay Cost Drivers	399	\$88,101	-	409	\$96,305	-	409	\$93,634	-	-	(\$2,671)	-

¹ FY 2017 Enacted and FY 2018 President's Budget reflect FTE and pay amounts from the legacy Reserve Training appropriation.

² FY 2017 Enacted reflects actual FTE and pay amounts.

NARRATIVE EXPLANATION OF CHANGES

FTE Change FY 2018-2019: No change.

PC&B Change FY 2018-2019: The change includes funding to annualize the FY 2018 military pay raise of 2.4 percent and civilian pay raise of 1.9 percent and funding for the FY 2019 military pay raise of 2.6 percent. The change also reflects increases for military benefits and allowances and civilian benefits, including required government contributions to FEGLI, FEHB, and TSP.

Average Cost Change FY 2018-2019: The average cost change is due to personnel cost increases related to the pay raise and benefits that impact all FTE.

Bonuses and Performance Awards: FY 2019 Budget request estimates \$77K for bonuses and performance awards.

Military FTS Personnel: Pay costs associated with military Full Time Support (FTS) personnel.

Civilian FTS Personnel: Pay costs associated with civilian FTS personnel.

Other Costs: All other pay costs, including all military reserve drill pay and allowances.

Reserve Training – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Reserve Training	-	-	\$24,021	\$24,021
Total	-	-	\$24,021	\$24,021
Discretionary - Appropriation	-	-	\$24,021	\$24,021

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	-	-	\$6,283	\$6,283
22.0 Transportation of Things	-	-	\$581	\$581
23.3 Communications, Utilities, and Misc. Charges	-	-	\$497	\$497
24.0 Printing and Reproduction	-	-	\$52	\$52
25.2 Other Services from Non-Federal Sources	-	-	\$456	\$456
25.3 Other Goods and Services from Federal Sources	-	-	\$4,861	\$4,861
25.6 Medical Care	-	-	\$3,091	\$3,091
25.7 Operation and Maintenance of Equipment	-	-	\$99	\$99
25.8 Subsistence & Support of Persons	-	-	\$1,995	\$1,995
26.0 Supplies and Materials	-	-	\$5,558	\$5,558
31.0 Equipment	-	-	\$258	\$258
42.0 Insurance Claims and Indemnities	-	-	\$290	\$290
Total - Non Pay Object Classes	-	-	\$24,021	\$24,021

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted¹	FY 2018 President's Budget¹	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Readiness Support	\$24,201	\$18,570	\$24,021	\$5,451
Total – Non Pay Cost Drivers	\$24,201	\$18,570	\$24,021	\$5,451

¹ FY 2017 Enacted and FY 2018 President's Budget reflect non pay amounts from the legacy Reserve Training appropriation.

NON PAY NARRATIVE

Readiness Support: Provides funding for training, travel, and non-pay related costs necessary to ensure Reservists have the skills and readiness required to respond to all contingencies including natural and man-made disasters, maritime homeland security, national security, and other significant events. The change reflects adjustments based on FY 2017 execution data.

*Environmental Compliance and Restoration - PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Environmental Compliance and Restoration	-	-	-	-	-	-	25	23	\$13,429	25	23	\$13,429
Total	-	-	-	-	-	-	25	23	\$13,429	25	23	\$13,429
Subtotal Discretionary - Appropriation	-	-	-	-	-	-	25	23	\$13,429	25	23	\$13,429

As part of the Coast Guard's transition to CAS in FY 2019, Environmental Compliance and Restoration (EC&R) transferred from a stand-alone appropriation to a PPA within the O&S appropriation.

The EC&R PPA provides funding for environmental cleanup, sustainment, and restoration of current and former contaminated Coast Guard facilities, including site assessment, remediation, and long term monitoring and management. Additionally, it funds engineering remedies on Coast Guard assets for the purpose of obtaining or restoring compliance with environmental laws and preventing contamination and environmental damage.

EC&R funding ensures the Coast Guard maintains its responsibilities associated with environmental stewardship. The Coast Guard complies with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act, Resource Conservation and Recovery Act (RCRA), and other applicable Federal or State laws to clean up contamination at current and former Coast Guard properties.

EC&R activities include site investigation and remediation activities at shore facilities. These include Coast Guard property slated for divestiture or transfer, and engineering changes to Coast Guard buildings and structures for the purpose of complying with environmental laws and preventing contamination and environmental damage.

The FY 2019 Budget continues long term monitoring at 29 sites, begins or continues investigation/remediation site work at 19 sites, and displays a commitment to ongoing identification, investigation, cleanup, and long-term management of contamination from hazardous substances and pollutants for Coast Guard systems, buildings, structures, and assets.

Environmental Compliance and Restoration – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	-	-	\$13,429
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	-	-	\$13,429
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	-	-	\$13,429
Obligations (Actual/Projections/Estimates)	-	-	\$3,383
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	25
Enacted/Request FTE	-	-	23
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	25
FTE (Actual/Estimates/Projections)	-	-	23

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Environmental Compliance and Restoration – PPA

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	-
FY 2018 President's Budget	-	-	-
FY 2019 Base Budget	-	-	-
Transfer from EC&R Appropriation to O&S/EC&R	25	23	\$13,397
Total Transfers	25	23	\$13,397
Annualization of 2018 Military and Civilian Pay Raise	-	-	\$15
2018 NDAA Military Pay Raise Adjustment	-	-	\$2
2019 Military Pay Raise	-	-	\$2
2019 Military Allowances	-	-	\$2
2019 Civilian Allowances	-	-	\$11
Total, Pricing Increases	-	-	\$32
Total Adjustments-to-Base	25	23	\$13,429
FY 2019 Current Services	25	23	\$13,429
FY 2019 Request	25	23	\$13,429
FY 2018 TO FY 2019 Change	25	23	\$13,429

Environmental Compliance and Restoration – PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Environmental Compliance and Restoration	-	-	-	-	-	-	-	-	25	23	\$3,383	\$147.09	25	23	\$3,383	\$147.09
Total	-	-	-	-	-	-	-	-	25	23	\$3,383	\$147.09	25	23	\$3,383	\$147.09
Discretionary - Appropriation	-	-	-	-	-	-	-	-	25	23	\$3,383	\$147.09	25	23	\$3,383	\$147.09

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	-	-	\$2,379	\$2,379
11.5 Other Personnel Compensation	-	-	\$40	\$40
11.6 Military Personnel-Basic Allowance for Housing	-	-	\$40	\$40
11.7 Military Personnel	-	-	\$92	\$92
12.1 Civilian Personnel Benefits	-	-	\$825	\$825
12.2 Military Personnel Benefits	-	-	\$7	\$7
Total - Personnel Compensation and Benefits	-	-	\$3,383	\$3,383
Positions and FTE				
Positions - Civilian	-	-	24	24
FTE - Civilian	-	-	22	22
Positions - Military	-	-	1	1
FTE - Military	-	-	1	1

Pay Cost Drivers

Leading Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted ^{1,2}			FY 2018 President's Budget ¹			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Total	22	\$3,151	\$143.23	22	\$3,210	\$145.91	22	\$3,244	\$147.45	-	\$34	\$1.54
Military Total	1	\$131	\$131.00	1	\$124	\$124.00	1	\$139	\$139.00	-	\$15	\$15.00
Total – Pay Cost Drivers	23	\$3,282	-	23	\$3,334	-	23	\$3,383	-	-	\$49	-

¹ FY 2017 Enacted and FY 2018 President's Budget reflect FTE and pay amounts from the legacy EC&R appropriation.

² FY 2017 Enacted reflects actual FTE and pay amounts.

NARRATIVE EXPLANATION OF CHANGES

FTE Change FY 2018-2019: No change.

PCB Change FY 2018-2019: The change includes funding to annualize the FY 2018 military pay raise of 2.4 percent and civilian pay raise of 1.9 percent and funding for the FY 2019 military pay raise of 2.6 percent. The change also reflects increases for military benefits and allowances and civilian benefits, including required government contributions to FEGLI, FEHB, and TSP.

Average Cost Change FY 2018-2019: The average cost change is due to personnel cost increases related to the pay raise and benefits that impact all FTE.

Bonuses and Performance Awards: The FY 2019 Budget request estimates \$32K for bonuses and performance awards.

Environmental Compliance and Restoration – PPA

Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Environmental Compliance and Restoration	-	-	\$10,046	\$10,046
Total	-	-	\$10,046	\$10,046
Discretionary - Appropriation	-	-	\$10,046	\$10,046

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	-	-	\$126	\$126
22.0 Transportation of Things	-	-	\$3	\$3
23.1 Rental Payments to GSA	-	-	\$2	\$2
25.1 Advisory and Assistance Services	-	-	\$62	\$62
25.2 Other Services from Non-Federal Sources	-	-	\$9,728	\$9,728
25.3 Other Goods and Services from Federal Sources	-	-	\$1	\$1
25.6 Medical Care	-	-	\$10	\$10
25.7 Operation and Maintenance of Equipment	-	-	\$35	\$35
26.0 Supplies and Materials	-	-	\$78	\$78
42.0 Insurance Claims and Indemnities	-	-	\$1	\$1
Total - Non Pay Object Classes	-	-	\$10,046	\$10,046

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted¹	FY 2018 President's Budget¹	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Site Investigation/Remediation Activities	\$8,049	\$8,049	\$4,945	(\$3,104)
Long Term Management of Restoration Project Sites	\$1,634	\$1,634	\$4,298	\$2,664
Environmental Compliance Projects and Activities	\$350	\$380	\$803	\$423
Total – Non Pay Cost Drivers	\$10,033	\$10,063	\$10,046	(\$17)

¹ FY 2017 Enacted and FY 2018 President's Budget reflect non pay amounts from the legacy EC&R appropriation.

NON PAY NARRATIVE

Site Investigation / Remediation Activities (19 locations): Provides funding to perform site remediation work at 19 locations to clean up hazardous substances and pollutants. The number of locations requiring site remediation activities increases; however, site investigation and remediation activity costs decrease as more costly site investigation/remediation projects are completed and transition to long-term site management.

Long Term Management of Restoration Project Sites (29 locations): Provides funding to continue long-term management work at 29 locations where remediation activities work was completed. Increases in long term management costs support activities at additional locations and ongoing priorities, including: monitoring and management work spanning multiple years to include sampling, analysis, site inspections, post closure maintenance, validation of land use controls, groundwater monitoring, monitoring of natural attenuation of groundwater contamination, and validation of institutional controls.

Environmental Compliance Projects and Activities: Provides funding to support all environmental compliance and restoration projects and activities.

U.S. Coast Guard**Operations and Support**

The table below provides a detailed listing of each planned FY 2019 EC&R project based on current information regarding prioritization of work. The list may be adjusted as new information is discovered based upon the completion of assessments and project risk priority.

Site Investigation/Remediation Activities	Estimated Cost (\$K)
Air Station Annette Island - Site Remediation (Multiple Locations / Various Contamination Sources)	\$2,000
Base Elizabeth City (Solid Waste Management Units 32/37/38 Former Fuel Farm) - Site Remediation/Long Term Management (Phytoremediation System)	\$115
Base Seattle - Site Remediation (Shore Ops Bldg Area)	\$135
Lighthouse - Alki Point Light Station - Site Remediation (Lead Soil Contamination)	\$145
Lighthouse - Anclote Key - Site Remediation (Lead and Mercury Soil and Groundwater Contamination)	\$70
Lighthouse - Eldred Rock (former) - Site Remediation (Lead Soil Contamination)	\$365
Lighthouse - Fairway Island (former) - Site Remediation (Lead and Mercury Soil Contamination)	\$165
Lighthouse - Hanapepe Point - Site Remediation (Lead Soil Contamination)	\$30
Lighthouse - Light Station Cape St. Elias (former) - Site Remediation (Petroleum Soil Contamination)	\$445
Lighthouse - Little Sand Island - Site Investigation (Lead / Various Other Site Contaminants)	\$225
Lighthouse - Nawiliwili Harbor - Site Remediation (Lead Soil Contamination)	\$30
Lighthouse - Robinson Point Light Station - Site Remediation (Lead and Total Petroleum Hydrocarbon Soil Contamination)	\$30
Lighthouse - Watch Hill - Site Remediation (Lead Soil Contamination)	\$210
Lighthouse Cape Kumukahi Point - Site Remediation (Lead Soil Contamination)	\$30
Lighthouse Pauwela Point - Site Remediation (Lead Soil Contamination)	\$30
Sector Field Office Cape Hatteras - Site Investigation (Above Ground Storage Tank Release)	\$80
Small Arms Firing Range Communication Station New Orleans – Resource Conservation and Recovery Act Investigation and Site Closeout	\$490
Station Grand Haven - Site Remediation (Underground Storage Tank Release)	\$315
Station Tillamook Bay Boathouse - Site Remediation	\$35

Subtotal Site Investigation/Remediation Activities	\$4,945
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Long Term Management of Remediation Projects	Estimated Cost (\$K)
Academy - Site Remediation (Shipyard Parcel 1)	\$4
Air Station Traverse City - Site Cleanup of Asbestos Containing Materials (Annual Site Inspection and Cleanup of Transite Siding)	\$25
Base Elizabeth City - Bldg 77 Stripping Shop Release (Long Term Monitoring Ground Water Contamination)	\$120
Base Elizabeth City (Bldg 79) - Long Term Management (Electroplating Shop Release)	\$105
Base Elizabeth City (Former Navy Dispensary and Barracks Site) - Long Term Management (Monitoring of Natural Attenuation of Groundwater)	\$60
Base Elizabeth City (Solid Waste Management Unit - 62) - Long Term Management (Seaplane Pipeline Release Site)	\$25
Base Elizabeth City (Solid Waste Management Unit 15 Former Burn Area and Landfill) - Long Term Monitoring (Phytoremediation System Operations and Management)	\$105
Base Elizabeth City (Solid Waste Management Unit 33 Former Waste Storage Area) - Site Remediation / Long Term Management	\$135
Base Elizabeth City (Solid Waste Management Unit 55 / Gate 1) - Long Term Management	\$45
Base Elizabeth City (Solid Waste Management Unit 64) - Site Remediation / Long Term Monitoring at Bldg 75 (Spent Solvents Release)	\$195
Base Elizabeth City (Solid Waste Management Units 28/56) - Site Remediation (North Beach Disposal Area)	\$132
Base Ketchikan - Site Remediation (Marine Sediments Metals Contamination)	\$14
Base Kodiak / Site 1 (Former Coast Guard Landfill) - Long Term Management (Post-Closure Maintenance and Monitoring)	\$118
Base Kodiak / Site 2 (Former Navy Landfill) - Long Term Monitoring	\$42
Base Kodiak / Site 23 (Former Power Plant) - Site Remediation (Additional Corrective Measure Study and Long Term Monitoring)	\$178
Base Kodiak / Site 3 (Former Dry Cleaning/Laundry Facility) - Site Remediation	\$516
Base Kodiak / Site 32 (Marine Sediments) - Long Term Monitoring	\$28
Base Kodiak / Site 6A (Motor Gas) - Long Term Management (Post-Closure Maintenance and Annual Groundwater Monitoring of Underground Storage Tanks Leaks)	\$114
Base Kodiak / Site 7A (Former Barrel Storage Area) - Long Term Management (Post-Closure Maintenance and Monitoring)	\$264

U.S. Coast Guard**Operations and Support**

Long Term Management of Remediation Projects	Estimated Cost (\$K)
Coast Guard Yard (Site 7) - Long Term Management / Maintenance of Land Use Controls	\$36
Coast Guard Yard (Site 9) - Long Term Management (Post Closure Monitoring)	\$17
Detachment Sandy Hook - Site Remediation (Fuel Spill Release - Super Storm Sandy Response)	\$75
Lighthouse - Destruction Island Lighthouse - Site Remediation (Capping of Multiple Soil Contaminants)	\$14
Lighthouse - Egmont Key - Long Term Management (Monitoring of Natural Attenuation of Groundwater Contamination)	\$8
Lighthouse - Guard Island - Site Remediation (Lead Impacted Soil)	\$5
Lighthouse - Sentinel Island (former) - Long Term Management (Inspection of Soil Cap)	\$11
LORAN Station Kure (former) - Site Remediation (Polychlorinated Biphenyl Soil Contamination)	\$80
LORAN Station Yap (former) - Long Term Management (Post - Cleanup Monitoring)	\$1,800
Radar Station Point Higgins - Petroleum Hydrocarbons Soil Contamination	\$27
Subtotal Long Term Management of Remediation Projects	\$4,298
Subtotal Environmental Compliance Projects & Activities	\$803
Total FY 2019 EC&R Non-pay Request	\$10,046

Medicare-Eligible Retiree Health Care Fund Contribution - PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	-	-	-	-	-	-	\$199,360	-	-	\$199,360
Total	-	-	-	-	-	-	-	-	\$199,360	-	-	\$199,360
Subtotal Discretionary - Appropriation	-	-	-	-	-	-	-	-	\$199,360	-	-	\$199,360

As part of the Coast Guard's transition to CAS in FY 2019, Medicare-Eligible Retiree Health Care Fund Contribution (MERHCFC) transferred from a stand-alone appropriation to a PPA within the O&S appropriation.

The MERHCFC PPA funds accrual of the Coast Guard's military Medicare-eligible health benefit contribution to DOD. Contributions are for future Medicare-eligible retirees, as well as retiree dependents and their potential survivors. The authority for the Coast Guard to make this payment, on an annual basis, is provided in P.L. 108-375, the 2005 Defense Appropriations Act. The Coast Guard's annual budget estimate for MERHCFC is calculated by multiplying the projected average force strength (FTE) by DOD actuary projected normal cost rates for active duty and reserve personnel. While this expenditure requires no annual action by Congress, it is scored as discretionary spending.

Medicare-Eligible Retiree Health Care Fund Contribution – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	-	-	\$199,360
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	-	-	\$199,360
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	-	-	\$199,360
Obligations (Actual/Projections/Estimates)	-	-	\$199,360
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

*Reprogramming/Transfers are included in the Carryover and/or Recoveries line.

Medicare-Eligible Retiree Health Care Fund Contribution – PPA

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	-
FY 2018 President's Budget	-	-	-
FY 2019 Base Budget	-	-	-
Transfer from MERHCFC Appropriation to O&S/MERHCFC	-	-	\$195,784
Total Transfers	-	-	\$195,784
Medicare-Eligible Retiree Health Care Fund Adjustment	-	-	\$10,899
Total, Pricing Increases	-	-	\$10,899
2018 Pharmacy Co-Pay Proposals	-	-	(\$7,323)
Total, Pricing Decreases	-	-	(\$7,323)
Total Adjustments-to-Base	-	-	\$199,360
FY 2019 Current Services	-	-	\$199,360
FY 2019 Request	-	-	\$199,360
FY 2018 TO FY 2019 Change	-	-	\$199,360

Medicare-Eligible Retiree Health Care Fund Contribution – PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	-	-	-	-	-	-	-	-	\$199,360	-	-	-	\$199,360	-
Total	-	-	-	-	-	-	-	-	-	-	\$199,360	-	-	-	\$199,360	-
Discretionary - Appropriation	-	-	-	-	-	-	-	-	-	-	\$199,360	-	-	-	\$199,360	-

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
12.2 Military Personnel Benefits	-	-	\$199,360	\$199,360
Total - Personnel Compensation and Benefits	-	-	\$199,360	\$199,360
Positions and FTE				
Positions – Positions and FTE	-	-	-	-

Pay Cost Drivers

Leading Cost-Drivers (Dollars in Thousands)	FY 2017 Enacted ¹			FY 2018 President's Budget ¹			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
MERHCFC Base Adjustments	-	\$175,506	-	-	\$195,784	-	-	\$199,360	-	-	\$3,576	-
Total – Pay Cost Drivers	-	\$175,506	-	-	\$195,784	-	-	\$199,360	-	-	\$3,576	-

¹ FY 2017 Enacted and FY 2018 President's Budget reflect pay amounts from the legacy MERHCFC appropriation.

NARRATIVE EXPLANATION OF CHANGES

MERHCFC Base Adjustments: Reflects projected FY 2019 average workforce strength and changes in annual per capita accrual costs.

Department of Homeland Security

U.S. Coast Guard

Environmental Compliance and Restoration



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Environmental Compliance and Restoration

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Environmental Compliance and Restoration	25	24	\$13,315	25	23	\$13,397	-	-	-	(25)	(23)	(\$13,397)
Total	25	24	\$13,315	25	23	\$13,397	-	-	-	(25)	(23)	(\$13,397)
Subtotal Discretionary - Appropriation	25	24	\$13,315	25	23	\$13,397	-	-	-	(25)	(23)	(\$13,397)

Overview

The Environmental Compliance and Restoration (EC&R) appropriation provided funding for environmental cleanup, sustainment, and restoration of current and former contaminated Coast Guard facilities, including site assessment, remediation, and long term monitoring and management. Additionally, it funded engineering remedies on Coast Guard assets for the purpose of obtaining or restoring compliance with environmental laws and preventing contamination and environmental damage.

To transition the Coast Guard to the Common Appropriations Structure (CAS), the Coast Guard will request funding for and display EC&R as a PPA under the Operations and Support (O&S) appropriation in the FY 2019 Budget.

Environmental Compliance and Restoration Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$13,315	\$13,397	-
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$20,054	\$21,188	\$21,493
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$33,369	\$34,585	\$21,493
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$33,369	\$34,585	\$21,493
Obligations (Actual/Projections/Estimates)	\$11,737	\$13,092	\$9,934
Personnel: Positions and FTE			
Enacted/Request Positions	25	25	-
Enacted/Request FTE	24	23	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	23	25	-
FTE (Actual/Estimates/Projections)	23	23	-

Environmental Compliance and Restoration Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	25	24	\$13,315
FY 2018 President's Budget	25	23	\$13,397
FY 2019 Base Budget	25	23	\$13,397
Transfer to O&S/EC&R from EC&R Appropriation	(25)	(23)	(\$13,397)
Total Transfers	(25)	(23)	(\$13,397)
Total Adjustments-to-Base	(25)	(23)	(\$13,397)
FY 2019 Request	-	-	-
FY 2018 TO FY 2019 Change	(25)	(23)	(\$13,397)

Transfer to O&S/EC&R from EC&R Appropriation (\$13.4M): Transfers FY 2018 base funding from EC&R to the O&S appropriation to transition the Coast Guard to CAS in FY 2019.

Environmental Compliance and Restoration Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Environmental Compliance and Restoration	25	24	\$3,282	\$136.75	25	23	\$3,334	\$144.91	-	-	-	-	(25)	(23)	(\$3,334)	(\$144.91)
Total	25	24	\$3,282	\$136.75	25	23	\$3,334	\$144.91	-	-	-	-	(25)	(23)	(\$3,334)	(\$144.91)
Discretionary - Appropriation	25	24	\$3,282	\$136.75	25	23	\$3,334	\$144.91	-	-	-	-	(25)	(23)	(\$3,334)	(\$144.91)

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$2,322	\$2,381	-	(\$2,381)
11.5 Other Personnel Compensation	\$39	\$33	-	(\$33)
11.6 Military Personnel-Basic Allowance for Housing	\$37	\$36	-	(\$36)
11.7 Military Personnel	\$87	\$79	-	(\$79)
11.8 Special Personal Services Payments	-	\$1	-	(\$1)
12.1 Civilian Personnel Benefits	\$790	\$796	-	(\$796)
12.2 Military Personnel Benefits	\$7	\$8	-	(\$8)
Total - Personnel Compensation and Benefits	\$3,282	\$3,334	-	(\$3,334)
Positions and FTE				
Positions - Civilian	24	24	-	(24)
FTE - Civilian	23	22	-	(22)
Positions - Military	1	1	-	(1)
FTE - Military	1	1	-	(1)

Environmental Compliance and Restoration Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
GS-15	1	1	-	-1
GS-14	2	2	-	-2
GS-13	7	7	-	-7
GS-12	14	14	-	-14
O-4	1	1	-	-1
Total Permanent Positions	25	25	-	-25
Unfilled Positions EOY	4	2	-	-2
Total Perm. Employment (Filled Positions) EOY	20	22	-	-22
Position Locations				
Headquarters	4	4	-	-4
U.S. Field	20	20	-	-20
Headquarters Military	1	1	-	-1
Averages				
Average Personnel Costs, GS Positions	128,608	136,838	-	-136,838
Average Grade, GS Positions	13	13	-	-13

All FTP and FTE funded by the EC&R appropriation transferred to the O&S appropriation to transition the Coast Guard to CAS in FY 2019.

Environmental Compliance and Restoration Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Environmental Compliance and Restoration	\$10,033	\$10,063	-	(\$10,063)
Total	\$10,033	\$10,063	-	(\$10,063)
Discretionary - Appropriation	\$10,033	\$10,063	-	(\$10,063)

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$126	\$117	-	(\$117)
22.0 Transportation of Things	\$3	\$3	-	(\$3)
23.1 Rental Payments to GSA	\$2	-	-	-
23.3 Communications, Utilities, and Misc. Charges	-	\$1	-	(\$1)
25.1 Advisory and Assistance Services	\$62	\$31	-	(\$31)
25.2 Other Services from Non-Federal Sources	\$9,715	\$8,213	-	(\$8,213)
25.3 Other Goods and Services from Federal Sources	\$1	\$16	-	(\$16)
25.6 Medical Care	\$10	\$7	-	(\$7)
25.7 Operation and Maintenance of Equipment	\$35	\$68	-	(\$68)
26.0 Supplies and Materials	\$78	\$169	-	(\$169)
31.0 Equipment	-	\$1,437	-	(\$1,437)
42.0 Insurance Claims and Indemnities	\$1	\$1	-	(\$1)
Total - Non Pay Object Classes	\$10,033	\$10,063	-	(\$10,063)

Department of Homeland Security

U.S. Coast Guard

Reserve Training



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Reserve Training

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Reserve Training	416	416	\$112,302	416	409	\$114,875	-	-	-	(416)	(409)	(\$114,875)
Total	416	416	\$112,302	416	409	\$114,875	-	-	-	(416)	(409)	(\$114,875)
Subtotal Discretionary - Appropriation	416	416	\$112,302	416	409	\$114,875	-	-	-	(416)	(409)	(\$114,875)

Overview

The Reserve Training (RT) appropriation provided funds for the training, operation, and administration of the Coast Guard Reserve Program and ensured the readiness of a 7,000 member Coast Guard Reserve workforce.

To transition the Coast Guard to the Common Appropriations Structure, the Coast Guard will request funding for and display RT as a PPA under the Operations and Support (O&S) appropriation in the FY 2019 Budget.

Reserve Training Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$112,302	\$114,875	-
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$2,827	-	-
Rescissions to Current Year/Budget Year	(\$746)	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$114,383	\$114,875	-
Collections – Reimbursable Resources	\$138	\$138	-
Total Budget Resources	\$114,521	\$115,013	-
Obligations (Actual/Projections/Estimates)	\$110,830	\$114,875	-
Personnel: Positions and FTE			
Enacted/Request Positions	416	416	-
Enacted/Request FTE	416	409	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	399	416	-
FTE (Actual/Estimates/Projections)	399	409	-

Reserve Training Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	416	416	\$112,302
FY 2018 President's Budget	416	409	\$114,875
FY 2019 Base Budget	416	409	\$114,875
Transfer to O&S/RT from RT Appropriation	(416)	(409)	(\$114,875)
Total Transfers	(416)	(409)	(\$114,875)
Total Adjustments-to-Base	(416)	(409)	(\$114,875)
FY 2019 Request	-	-	-
FY 2018 TO FY 2019 Change	(416)	(409)	(\$114,875)

Transfer to O&S/RT from RT Appropriation (\$114.9M): Transfers FY 2018 base funding from RT to the O&S appropriation to transition the Coast Guard to CAS in FY 2019.

Reserve Training Personnel Compensation and Benefits Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Reserve Training	416	416	\$88,101	\$211.56	416	409	\$96,305	\$234.57	-	-	-	-	(416)	(409)	(\$96,305)	(\$234.57)
Total	416	416	\$88,101	\$211.56	416	409	\$96,305	\$234.57	-	-	-	-	(416)	(409)	(\$96,305)	(\$234.57)
Discretionary - Appropriation	416	416	\$88,101	\$211.56	416	409	\$96,305	\$234.57	-	-	-	-	(416)	(409)	(\$96,305)	(\$234.57)

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$4,896	\$5,435	-	(\$5,435)
11.3 Other than Full-Time Permanent	\$27	\$35	-	(\$35)
11.5 Other Personnel Compensation	\$155	\$111	-	(\$111)
11.6 Military Personnel-Basic Allowance for Housing	\$8,635	\$9,229	-	(\$9,229)
11.7 Military Personnel	\$65,584	\$71,238	-	(\$71,238)
11.8 Special Personal Services Payments	\$66	\$197	-	(\$197)
12.1 Civilian Personnel Benefits	\$1,400	\$1,577	-	(\$1,577)
12.2 Military Personnel Benefits	\$7,310	\$8,313	-	(\$8,313)
13.0 Benefits for Former Personnel	\$28	\$170	-	(\$170)
Total - Personnel Compensation and Benefits	\$88,101	\$96,305	-	(\$96,305)
Positions and FTE				
Positions - Civilian	89	89	-	(89)
FTE - Civilian	89	76	-	(76)
Positions - Military	327	327	-	(327)
FTE - Military	327	333	-	(333)

Pay in the RT appropriation reflects Full Time Support (FTS) personnel and Reserve personnel; however, Reserve personnel do not contribute to FTP or FTE.

Reserve Training Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
GS-14	4	4	-	-4
GS-13	4	4	-	-4
GS-12	16	16	-	-16
GS-11	10	10	-	-10
GS-9	12	12	-	-12
GS-8	5	5	-	-5
GS-7	21	21	-	-21
GS-6	12	12	-	-12
GS-5	5	5	-	-5
O-8	1	1	-	-1
O-6	7	7	-	-7
O-5	15	15	-	-15
O-4	28	28	-	-28
O-3	47	47	-	-47
O-2	5	5	-	-5
O-1	5	5	-	-5
CWO	9	9	-	-9
E-9	7	7	-	-7
E-8	7	7	-	-7
E-7	22	22	-	-22
E-6	92	92	-	-92
E-5	41	41	-	-41
E-4	37	37	-	-37
E-3	4	4	-	-4
Total Permanent Positions	416	416	-	-416
Unfilled Positions EOY	4	1	-	-1
Total Perm. Employment (Filled Positions) EOY	85	88	-	-88
Position Locations				
Headquarters	11	11	-	-11
U.S. Field	78	78	-	-78

U.S. Coast Guard**Reserve Training**

Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
Headquarters Military	28	28	-	-28
U.S. Field Military	299	299	-	-299
Averages				
Average Personnel Costs, GS Positions	88,038	93,847	-	-93,847
Average Grade, GS Positions	9	9	-	-9

The Permanent Positions by Grade table reflects FTS positions only. Reserve personnel do not contribute to FTP or FTE.

All FTP and FTE funded by the RT appropriation transfer to the O&S appropriation as Coast Guard transitions to CAS in FY 2019.

**Reserve Training
Non Pay Budget Exhibits**

Non Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Reserve Training	\$24,201	\$18,570	-	(\$18,570)
Total	\$24,201	\$18,570	-	(\$18,570)
Discretionary - Appropriation	\$24,201	\$18,570	-	(\$18,570)

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$6,331	\$7,072	-	(\$7,072)
22.0 Transportation of Things	\$585	\$552	-	(\$552)
23.2 Rental Payments to Others	-	\$127	-	(\$127)
23.3 Communications, Utilities, and Misc. Charges	\$501	\$457	-	(\$457)
24.0 Printing and Reproduction	\$52	-	-	-
25.2 Other Services from Non-Federal Sources	\$459	\$1,037	-	(\$1,037)
25.3 Other Goods and Services from Federal Sources	\$4,897	\$291	-	(\$291)
25.6 Medical Care	\$3,115	-	-	-
25.7 Operation and Maintenance of Equipment	\$99	\$103	-	(\$103)
25.8 Subsistence & Support of Persons	\$2,010	\$3,793	-	(\$3,793)
26.0 Supplies and Materials	\$5,600	\$4,689	-	(\$4,689)
31.0 Equipment	\$260	\$174	-	(\$174)
42.0 Insurance Claims and Indemnities	\$292	\$275	-	(\$275)
Total - Non Pay Object Classes	\$24,201	\$18,570	-	(\$18,570)

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Procurement, Construction, and Improvements



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Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Vessels	-	-	\$787,900	-	-	\$877,100	-	-	\$823,750	-	-	(\$53,350)
Aircraft	-	-	\$307,300	-	-	\$82,600	-	-	\$148,000	-	-	\$65,400
Other Acquisition Programs	-	-	\$59,355	-	-	\$50,800	-	-	\$60,000	-	-	\$9,200
Shore Facilities and Aids to Navigation (ATON)	-	-	\$99,519	-	-	\$75,000	-	-	\$135,000	-	-	\$60,000
Personnel and Related Support Costs	914	897	\$115,933	914	835	\$118,245	-	-	-	(914)	(835)	(\$118,245)
Total	914	897	\$1,370,007	914	835	\$1,203,745	-	-	\$1,166,750	(914)	(835)	(\$36,995)
Subtotal Discretionary - Appropriation	914	897	\$1,370,007	914	835	\$1,203,745	-	-	\$1,166,750	(914)	(835)	(\$36,995)

*The Coast Guard is transitioning to the Procurement, Construction, and Improvements appropriation in FY 2019 from the former Acquisitions, Construction, and Improvements appropriation. Funding amounts in this and all other tables are presented using the new budget structure.

Overview

The U.S. Coast Guard's Procurement, Construction and Improvements (PC&I) appropriation provides for the acquisition, procurement, construction, rebuilding, and improvement of vessels, aircraft, shore facilities and military housing, aids to navigation (ATON) systems and facilities, and command, control, communications and computer systems and related equipment.

Funds appropriated for PC&I are managed by Coast Guard acquisition project managers who oversee these projects and apply best practices, in accordance with the Coast Guard's Major Systems Acquisition Manual (MSAM), applicable Department of Homeland Security (DHS) management directives, and the Department's Financial Management Policy Manual, to optimize the return on recapitalization investments. Through processes documented in the MSAM, acquisition managers follow a continuum of activities ranging from pre-acquisition concept development to deployment and sustainment. Activities and documentation produced throughout the acquisition lifecycle inform budget requests and budget-related project activities.

The FY 2019 President's Budget requests \$1.167B for PC&I. The following is the funding for each Program, Project, and Activity (PPA) within the PC&I appropriation:

- Vessels - \$823.8M
- Aircraft - \$148.0M
- Other Acquisition Programs - \$60.0M
- Shore Facilities and Aids to Navigation (ATON) - \$135.0M
- Alteration of Bridges - \$0.0M

In FY 2019, the U.S. Coast Guard will be transitioning to the Department's Common Appropriations Structure (CAS). In accordance with this change, activities previously funded through the Acquisitions, Construction, and Improvements appropriation are now resourced through the PC&I appropriation, except that acquisition personnel salaries and benefits are now funded through the Coast Guard's Operations and Support (O&S) appropriation. In addition, the Alteration of Bridges appropriation will be transferred and displayed as a PPA within the PC&I appropriation.

Procurement, Construction, and Improvements

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$1,370,007	\$1,203,745	\$1,166,750
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$1,354,238	\$1,019,857	\$493,037
Rescissions to Current Year/Budget Year	(\$71,110)	-	-
Net Sequestered Resources	-	-	-
Supplementals	\$1,500	-	-
Total Budget Authority	\$2,654,635	\$2,223,602	\$1,659,787
Collections – Reimbursable Resources	\$80,471	\$34,000	\$8,101
Total Budget Resources	\$2,735,106	\$2,257,602	\$1,667,888
Obligations (Actual/Projections/Estimates)	\$1,636,667	\$2,578,083	\$1,310,731
Personnel: Positions and FTE			
Enacted/Request Positions	914	914	-
Enacted/Request FTE	897	835	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	803	914	-
FTE (Actual/Estimates/Projections)	791	835	-

Procurement, Construction, and Improvements
Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
International Assistance Programs - Military Sales Program Source	-	-	\$80,471	-	-	\$34,000	-	-	\$8,101
Total Collections	-	-	\$80,471	-	-	\$34,000	-	-	\$8,101

Procurement, Construction, and Improvements

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	914	897	\$1,370,007
FY 2018 President's Budget	914	835	\$1,203,745
FY 2019 Base Budget	914	835	\$118,245
Transfer to Operations and Support	(914)	(835)	(\$118,245)
Total Transfers	(914)	(835)	(\$118,245)
Total Adjustments-to-Base	(914)	(835)	(\$118,245)
C4ISR	-	-	\$23,300
Coast Guard Logistics Information Management System	-	-	\$13,200
Cutter Boats	-	-	\$5,000
Fast Response Cutter	-	-	\$240,000
HC-144 Conversion/Sustainment	-	-	\$17,000
HC-27J Conversion/Sustainment	-	-	\$80,000
HH-65 Conversion/Sustainment	-	-	\$20,000
In-Service Vessel Sustainment	-	-	\$63,250
Major Acquisition Systems Infrastructure	-	-	\$100,000
Major Shore, Housing, ATON, Survey and Design	-	-	\$30,000
MH-60T Sustainment	-	-	\$25,000
Minor Shore	-	-	\$5,000
National Security Cutter	-	-	\$65,000
Offshore Patrol Cutter	-	-	\$400,000
Other Equipment and Systems	-	-	\$3,500
Polar Icebreaker	-	-	\$30,000
Polar Sustainment	-	-	\$15,000
Program Oversight and Management	-	-	\$20,000
Small Unmanned Aircraft Systems	-	-	\$6,000
Survey and Design - Vessels and Boats	-	-	\$500
Waterways Commerce Cutter	-	-	\$5,000
Total Investment Elements	-	-	\$1,166,750
FY 2019 Request	-	-	\$1,166,750
FY 2018 TO FY 2019 Change	(914)	(835)	(\$36,995)

Procurement, Construction, and Improvements Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Personnel and Related Support Costs	914	897	\$105,831	\$117.84	914	835	\$108,074	\$128.99	-	-	-	-	(914)	(835)	(\$108,074)	(\$128.99)
Total	914	897	\$105,831	\$117.84	914	835	\$108,074	\$128.99	-	-	-	-	(914)	(835)	(\$108,074)	(\$128.99)
Discretionary - Appropriation	914	897	\$105,831	\$117.84	914	835	\$108,074	\$128.99	-	-	-	-	(914)	(835)	(\$108,074)	(\$128.99)

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$48,221	\$47,430	-	(\$47,430)
11.3 Other than Full-Time Permanent	\$196	\$105	-	(\$105)
11.5 Other Personnel Compensation	\$934	\$632	-	(\$632)
11.6 Military Personnel-Basic Allowance for Housing	\$10,401	\$11,467	-	(\$11,467)
11.7 Military Personnel	\$28,916	\$30,440	-	(\$30,440)
11.8 Special Personal Services Payments	\$91	\$198	-	(\$198)
12.1 Civilian Personnel Benefits	\$14,515	\$14,292	-	(\$14,292)
12.2 Military Personnel Benefits	\$2,518	\$3,340	-	(\$3,340)
13.0 Benefits for Former Personnel	\$39	\$170	-	(\$170)
Total - Personnel Compensation and Benefits	\$105,831	\$108,074	-	(\$108,074)
Positions and FTE				
Positions - Civilian	490	490	-	(490)
FTE - Civilian	473	431	-	(431)
Positions - Military	424	424	-	(424)
FTE - Military	424	404	-	(404)

Procurement, Construction, and Improvements Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
Total, SES	2	2	-	-2
GS-15	39	39	-	-39
GS-14	138	138	-	-138
GS-13	204	204	-	-204
GS-12	75	75	-	-75
GS-11	17	17	-	-17
GS-10	1	1	-	-1
GS-9	4	4	-	-4
GS-8	3	3	-	-3
GS-7	4	4	-	-4
GS-6	2	2	-	-2
Other Graded Positions	1	1	-	-1
O-8	2	2	-	-2
O-6	18	18	-	-18
O-5	43	43	-	-43
O-4	86	86	-	-86
O-3	85	85	-	-85
O-2	3	3	-	-3
CWO	49	49	-	-49
E-9	4	4	-	-4
E-8	12	12	-	-12
E-7	43	43	-	-43
E-6	37	37	-	-37
E-5	27	27	-	-27
E-4	15	15	-	-15
Total Permanent Positions	914	914	-	-914
Unfilled Positions EOY	75	75	-	-75
Total Perm. Employment (Filled Positions) EOY	839	839	-	-839
Position Locations				

U.S. Coast Guard**Procurement, Construction, and Improvements**

Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
Headquarters	425	425	-	-425
U.S. Field	489	489	-	-489
Averages				
Average Personnel Costs, ES Positions	218,700	233,400	-	-233,400
Average Personnel Costs, GS Positions	142,534	151,515	-	-151,515
Average Grade, GS Positions	13	13	-	-13

All FTP and FTE funded by the PC&I appropriation were transferred to the O&S appropriation to transition the Coast Guard to the Department's CAS in FY 2019.

Procurement, Construction, and Improvements

Non Pay Budget Exhibits

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$9,054	\$13,035	\$5,112	(\$7,923)
22.0 Transportation of Things	\$576	\$666	-	(\$666)
23.2 Rental Payments to Others	-	\$121	-	(\$121)
23.3 Communications, Utilities, and Misc. Charges	\$648	\$383	\$319	(\$64)
25.1 Advisory and Assistance Services	\$193,692	\$128,365	\$100,534	(\$27,831)
25.2 Other Services from Non-Federal Sources	\$11,211	\$7,578	\$49,462	\$41,884
25.3 Other Goods and Services from Federal Sources	\$102,639	\$79,314	\$99,236	\$19,922
25.6 Medical Care	\$2,653	\$2,552	-	(\$2,552)
25.7 Operation and Maintenance of Equipment	\$6,759	\$523	\$4,726	\$4,203
25.8 Subsistence & Support of Persons	\$950	-	-	-
26.0 Supplies and Materials	\$81,821	\$15,143	\$15,363	\$220
31.0 Equipment	\$769,219	\$775,367	\$763,868	(\$11,499)
32.0 Land and Structures	\$84,597	\$72,285	\$128,130	\$55,845
42.0 Insurance Claims and Indemnities	\$357	\$339	-	(\$339)
Total - Non Pay Object Classes	\$1,264,176	\$1,095,671	\$1,166,750	\$71,079

Procurement, Construction, and Improvements Capital Investment Exhibits

Capital Investment

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Offshore Patrol Cutter	N024-000006362	1	Procurement	Non-IT	Yes	\$75,000	\$500,000	\$400,000
Fast Response Cutter	N024-000006370	1	Procurement	Non-IT	Yes	\$325,000	\$240,000	\$240,000
HC-27J Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$130,000	\$52,000	\$80,000
National Security Cutter	N024-000006369	1	Procurement	Non-IT	Yes	\$255,400	\$54,000	\$65,000
Polar Icebreaker	N024-000006381	1	Procurement	Non-IT	Yes	\$25,000	\$19,000	\$30,000
C4ISR	024-000006343	1	Procurement	IT	Yes	\$24,300	\$22,000	\$23,300
HH-65 Conversion/Sustainment	N024-000006366	1	Procurement	Non-IT	Yes	\$40,000	\$22,000	\$20,000
HC-144 Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$25,500	-	\$17,000
HC-130J Acquisition/Conversion/Sustainment	N024-000006382	1	Procurement	Non-IT	Yes	\$111,800	\$5,600	-
In-Service Vessel Sustainment	N024-000006384	3	Procurement	Non-IT	Yes	\$94,000	\$60,500	\$63,250
Coast Guard Logistics Information Management System	024-000006115	3	Procurement	IT	Yes	\$7,000	\$9,800	\$13,200
Small Unmanned Aircraft Systems	N024-000006404	3	Procurement	Non-IT	Yes	-	\$500	\$6,000
MH-60T Sustainment	N/A	Non-Major	Procurement	Non-IT	No	-	\$2,500	\$25,000
Program Oversight and Management	N/A	Non-Major	Procurement	Non-IT	No	\$20,000	\$15,000	\$20,000
Polar Sustainment	N/A	Non-Major	Procurement	Non-IT	No	-	-	\$15,000
Cutter Boats	N/A	Non-Major	Procurement	Non-IT	No	\$4,000	\$1,000	\$5,000
Waterways Commerce Cutter	N/A	Non-Major	Procurement	Non-IT	No	-	\$1,100	\$5,000
Other Equipment and Systems	N/A	Non-Major	Procurement	Non-IT	No	\$8,055	\$4,000	\$3,500
Survey and Design - Vessels and Boats	N/A	Non-Major	Procurement	Non-IT	No	\$9,500	\$1,500	\$500
Major Acquisition Systems Infrastructure	N/A	Non-Major	Construction	Non-IT	No	\$50,000	\$60,000	\$100,000
Major Shore, Housing, ATON, Survey and Design	N/A	Non-Major	Construction	Non-IT	No	\$44,519	\$10,000	\$30,000
Minor Shore	N/A	Non-Major	Construction	Non-IT	No	\$5,000	\$5,000	\$5,000

*Vessels – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Survey and Design - Vessels and Boats	\$9,500	\$1,500	\$500	(\$1,000)
In-Service Vessel Sustainment	\$94,000	\$60,500	\$63,250	\$2,750
National Security Cutter	\$255,400	\$54,000	\$65,000	\$11,000
Offshore Patrol Cutter	\$75,000	\$500,000	\$400,000	(\$100,000)
Fast Response Cutter	\$325,000	\$240,000	\$240,000	-
Cutter Boats	\$4,000	\$1,000	\$5,000	\$4,000
Polar Icebreaker	\$25,000	\$19,000	\$30,000	\$11,000
Waterways Commerce Cutter	-	\$1,100	\$5,000	\$3,900
Polar Sustainment	-	-	\$15,000	\$15,000
Total	\$787,900	\$877,100	\$823,750	(\$53,350)
Discretionary - Appropriation	\$787,900	\$877,100	\$823,750	(\$53,350)

PPA Description

The Vessels PPA provides funding to recapitalize and/or make capital improvements to Coast Guard cutters and boats. With many of the Coast Guard's surface assets operating beyond their design service life; recapitalization and sustainment projects are critical to ensuring continued mission effectiveness and readiness of the fleet. The FY 2019 President's Budget continues efforts that will lead to award of a contract for Detail Design and Construction for the heavy Polar Icebreaker program; funds construction of the second Offshore Patrol Cutter (OPC); supports Survey and Design for emerging life-cycle event driven maintenance on cutters and boats; funds program and analyze/select phase documentation to inform potential solutions for the aging Inland River and Construction Tender fleet; and continues the National Security Cutter (NSC), Fast Response Cutter (FRC), Cutter Boats, and In-Service Vessel Sustainment (ISVS) programs on schedule. The Coast Guard fleet of cutters and boats supported by this PPA collectively perform all 11 statutory Coast Guard missions in the offshore, coastal, and inland operational areas.

The Coast Guard's future fleet is replacing the aging High and Medium Endurance Cutters, Island Class Patrol Boats, Inland River and Construction Tenders, and legacy Heavy Polar Icebreakers. These modern assets will provide improved endurance, speed, sea-keeping, surveillance, icebreaking capabilities, and persistent presence in the offshore area of responsibility (AOR).

Vessels – PPA

Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$787,900	\$877,100	\$823,750
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$902,996	\$531,863	\$207,656
Rescissions to Current Year/Budget Year	(\$69,000)	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$1,621,896	\$1,408,963	\$1,031,406
Collections – Reimbursable Resources	\$80,471	\$34,000	\$8,101
Total Budget Resources	\$1,702,367	\$1,442,963	\$1,039,507
Obligations (Actual/Projections/Estimates)	\$1,093,252	\$1,201,307	\$851,898
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

Vessels – PPA
Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
International Assistance Programs - Military Sales Program Source	-	-	\$80,471	-	-	\$34,000	-	-	\$8,101
Total Collections	-	-	\$80,471	-	-	\$34,000	-	-	\$8,101

Vessels – PPA

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$787,900
FY 2018 President's Budget	-	-	\$877,100
FY 2019 Base Budget	-	-	-
Cutter Boats	-	-	\$5,000
Fast Response Cutter	-	-	\$240,000
In-Service Vessel Sustainment	-	-	\$63,250
National Security Cutter	-	-	\$65,000
Offshore Patrol Cutter	-	-	\$400,000
Polar Icebreaker	-	-	\$30,000
Polar Sustainment	-	-	\$15,000
Survey and Design - Vessels and Boats	-	-	\$500
Waterways Commerce Cutter	-	-	\$5,000
Total Investment Elements	-	-	\$823,750
FY 2019 Request	-	-	\$823,750
FY 2018 TO FY 2019 Change	-	-	(\$53,350)

Vessels – PPA
Non Pay Budget Exhibits
Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$5,620	\$11,543	\$3,387	(\$8,156)
25.1 Advisory and Assistance Services	\$86,003	\$82,574	\$50,912	(\$31,662)
25.2 Other Services from Non-Federal Sources	\$3,567	\$1,922	\$34,492	\$32,570
25.3 Other Goods and Services from Federal Sources	\$60,934	\$29,045	\$27,976	(\$1,069)
25.7 Operation and Maintenance of Equipment	\$6,309	-	-	-
25.8 Subsistence & Support of Persons	\$950	-	-	-
26.0 Supplies and Materials	\$12,930	\$2,812	\$1,326	(\$1,486)
31.0 Equipment	\$611,587	\$749,204	\$705,657	(\$43,547)
Total - Non Pay Object Classes	\$787,900	\$877,100	\$823,750	(\$53,350)

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
National Security Cutter (NSC)	\$255,400	\$54,000	\$65,000	\$11,000
Offshore Patrol Cutter (OPC)	\$75,000	\$500,000	\$400,000	(\$100,000)
Fast Response Cutter (FRC)	\$325,000	\$240,000	\$240,000	-
Polar Icebreaker	\$25,000	\$19,000	\$30,000	\$11,000
Other Costs	\$107,500	\$64,100	\$88,750	\$24,650
Total Non Pay Cost Drivers	\$787,900	\$877,100	\$823,750	(\$53,350)

NARRATIVE EXPLANATION OF CHANGES

National Security Cutter (NSC): Funds the FY 2019 need for continuation of the NSC acquisition, which provides increased endurance, intelligence, and maritime domain awareness capability over the legacy High Endurance Cutters. Funding continues support of Post Delivery Activities (PDA) for the seventh through ninth hulls, and other program-wide activities.

Offshore Patrol Cutter (OPC): Funds the FY 2019 need for continuation of the OPC acquisition, including construction of the second ship, and Long Lead Time Material (LLTM) for the third ship.

Fast Response Cutter (FRC): Funds the FY 2019 need for continuation of the FRC acquisition, including production of hulls 49-52 to replace legacy 110' patrol boats.

Polar Icebreaker: Funds acquisition activities required to award a contract for Detail Design & Construction in FY 2019, establishes a Project Resident Office (PRO), and continues collaboration with industry and international stakeholders.

Other: Funds the FY 2019 need for In-Service Vessel Sustainment (ISVS), Cutter Boats, Survey and Design, Polar Sustainment, and continues program funding for the Inland Waterways and Western Rivers Tender recapitalization.

Vessels – PPA Capital Investment Exhibits

Capital Investment

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Offshore Patrol Cutter	N024-000006362	1	Procurement	Non-IT	Yes	\$75,000	\$500,000	\$400,000
Fast Response Cutter	N024-000006370	1	Procurement	Non-IT	Yes	\$325,000	\$240,000	\$240,000
National Security Cutter	N024-000006369	1	Procurement	Non-IT	Yes	\$255,400	\$54,000	\$65,000
Polar Icebreaker	N024-000006381	1	Procurement	Non-IT	Yes	\$25,000	\$19,000	\$30,000
In-Service Vessel Sustainment	N024-000006384	3	Procurement	Non-IT	Yes	\$94,000	\$60,500	\$63,250
Polar Sustainment	N/A	Non-Major	Procurement	Non-IT	No	-	-	\$15,000
Cutter Boats	N/A	Non-Major	Procurement	Non-IT	No	\$4,000	\$1,000	\$5,000
Waterways Commerce Cutter	N/A	Non-Major	Procurement	Non-IT	No	-	\$1,100	\$5,000
Survey and Design - Vessels and Boats	N/A	Non-Major	Procurement	Non-IT	No	\$9,500	\$1,500	\$500

Survey and Design-Vessels and Boats – PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Survey and Design – Vessels and Boats

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Survey and Design - Vessels and Boats	N/A	Non-Major	Procurement	Non-IT	No	\$9,500	\$1,500	\$500

PPA Level II Description

This PPA funds multi-year engineering survey and design work in direct support of emerging In-Service Vessel Sustainment (ISVS) projects. Preliminary survey and design work is essential to properly plan and scope sustainment availabilities, such as Midlife Maintenance Availabilities (MMA), Mission Effectiveness Projects (MEP), and Service Life Extension Projects (SLEP). As in-service vessels continue to age, this program conducts detailed hull condition surveys, along with engineering design work useful in identifying and planning future projects.

The FY 2019 President's Budget provides funding to support initiatives related to conducting a MMA on CGC HEALY (Medium Icebreaker).

Justification

HEALY serves as a platform for supporting missions primarily in the Arctic region, including search and rescue, ship escort, environmental protection, enforcement of laws and treaties, and Arctic research. Funds requested will be used to assess potential options based on previous inspections of hull, mechanical, weapons, and electrical systems and subsystems. Specifically, assessments will evaluate system suitability for possible future sustainment projects.

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$9,500	\$1,500	\$500
Research and Development				
Project Funding	\$40,327	\$9,500	\$1,500	\$500
Obligations	\$18,935	\$2,976		
Expenditures	\$17,050	\$231		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Survey and Design	FY17:Q1	FY19:Q4			\$9,500
	FY 2018				
Survey and Design	FY18:Q1	FY20:Q4			\$1,500
	FY 2019				
Survey and Design	FY19:Q1	FY21:Q4			\$500

In-Service Vessel Sustainment – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

In-Service Vessel Sustainment (ISVS)

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
In-Service Vessel Sustainment	N024-000006384	3	Procurement	Non-IT	Yes	\$94,000	\$60,500	\$63,250

PPA Level II Description

This PPA and FY 2019 funding supports program management activities and continues Service Life Extension Project (SLEP) efforts on the 140-foot Icebreaking Tugs, 47-foot Motor Life Boats, and 270-foot Medium Endurance Cutters; and continues Mid-Life Maintenance Availability (MMA) efforts on the 225-foot Seagoing Buoy Tender fleet.

Justification

The In-Service Vessel Sustainment (ISVS) program provides program management and logistics support for life-cycle event vessel repair availabilities including Mid-Life Maintenance Availabilities (MMAs) and Service Life Extension Projects (SLEPs) on existing Coast Guard vessels.

MMAs ensure in-service vessels meet their design service life through the recapitalization of hull, mechanical, electrical (HM&E) and electronic systems that have been identified as the highest contributors to maintenance costs and operational availability degradation. SLEPs increase in-service vessels service life without significantly modifying capabilities. The following projects currently make up the ISVS program:

- 140-foot Ice Breaking Tugs (WTGBs): The lead ship in this class has been in continuous service since 1978. This ongoing sustainment program is the first to be performed on this fleet. Specific system upgrades and improvements include: propulsion plant; heating, ventilation, and air conditioning (HVAC) systems; installation of an engine room fire suppression system; boat launching davit replacement; and crew habitability improvements to meet current standards.
- 225-foot Ocean Going Buoy Tenders (WLBs): This class was placed in service in 1996 and was designed to meet a 30-year service life. Achieving that service life is predicated upon a mid-life availability to address obsolescence of select engineering systems. The ongoing WLB MMA includes a stability assessment; electrical load analysis; upgrades to the machinery control system, controllable pitch propeller system, and HVAC systems; topside preservation; overhauls of deck equipment and weight handling gear; and crew habitability updates to meet current standards.

- 270-foot Medium Endurance Cutters (WMECs): This class began entering service in 1983 and underwent a Mission Effectiveness Project (MEP) to address operational readiness degradation. FY 2019 funds support project planning, system evaluation and engineering analysis, and development of analyze/select phase documentation for induction into the ISVS program.
- 47-foot Motor Life Boat (MLB): The fleet of 47-foot MLBs, constructed from 1997 to 2003, was designed for a 25-year service life and several of the MLB's critical systems have become obsolete and difficult to support. Engineering evaluations identified the propulsion system (engines, reduction gears, and the integrated control system) and a variety of mission-specific equipment, as requiring recapitalization. Repairs and updates to these systems and components will be performed to prevent loss of operational readiness and to stabilize maintenance costs.

FY 2017 Key Milestone Events

- Completed production work on the third and fourth 140-foot WTGB SLEP and began the fifth and sixth
- Completed Phase 3 of EAGLE SLEP and began production work on Phase 4
- Completed production work on the second 225-foot WLB MMA and began production on the third and fourth
- Continued engineering work and pre-production efforts on the 47-foot MLB SLEP

FY 2018 Planned Key Milestone Events

- Complete production work on the fifth and sixth 140-foot WTGB SLEP and begin the seventh and eighth
- Complete Phase 4 production work for EAGLE SLEP
- Complete production work on the third and fourth 225-foot WLBs MMA and begin production on the fifth and sixth
- Complete engineering and pre-production efforts on the 47-foot MLB SLEP; release Request for Proposal (RFP) and award the 47-foot MLB SLEP contract
- Begin analyze/select phase documentation for the 270-foot WMEC SLEP

FY 2019 Planned Key Milestone Events

- Complete production work on the seventh and eighth 140-foot WTGB SLEP and begin production on the ninth
- Complete production work on the fifth and sixth 225-foot WLBs MMA and begin production on the seventh
- Complete detail engineering design and start production for the 47-foot MLB SLEP
- Complete analyze/select phase documentation for the 270-foot WMEC SLEP and begin detail design engineering; start procurement for long lead time materials

Funding History¹

<i>FY</i>	<i>\$K</i>	<i>Major Activity Associated with Appropriated Funding</i>
2014 & Prior	\$36,400	140' WTGB SLEP, 225' WLB MMA, EAGLE SLEP Phase 1
2015	\$49,000	140' WTGB SLEP, EAGLE SLEP Phase 2, 225' WLB MMA, begin engineering work for the 47-foot MLB
2016	\$68,000	140' WTGB SLEP, EAGLE SLEP Phase 3, 225' WLB MMA, continue engineering work for the 47-foot MLB SLEP
2017	\$94,000	140' WTGB SLEP, EAGLE SLEP Phase 4, 225' WLB MMA, start pre-production for the 47-foot MLB SLEP
2018 ²	\$60,500	140' WTGB SLEP, 225' WLB MMA, award contract for the 47-foot MLB SLEP, analyze/select phase activities for the 270' WMEC SLEP
<i>Total</i>	<i>\$307,900</i>	<i>Funding received for FY 2012 through FY 2018</i>

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$94,000	\$60,500	\$63,250
Research and Development				
Project Funding	\$153,400	\$94,000	\$60,500	\$63,250
Obligations	\$139,731	\$85,198		
Expenditures	\$83,424	\$65,035		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

¹ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017..

² Reflects FY 2018 President's Budget request.

Work is done primarily at the Coast Guard Yard; however, the 47-foot MLB SLEP contract will be competitively sourced in FY 2018.

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
140' WTGB SLEP			FY14:Q4	FY19:Q3	\$43,580
EAGLE SLEP			FY14:Q4	FY17:Q4	\$6,823
225' WLB MMA			FY15:Q4	FY25:Q4	\$39,597
47' MLB SLEP			FY15:Q4	FY26:Q4	\$4,000
	FY 2018				
140' WTGB SLEP			FY14:Q4	FY20:Q3	\$17,640
225' WLB MMA			FY15:Q4	FY25:Q4	\$42,360
270' WMEC Sustainment			FY18:Q1	FY28:Q4	\$500
	FY 2019				
140' WTGB SLEP			FY14:Q4	FY20:Q3	\$4,700
225' WLB MMA			FY15:Q4	FY25:Q4	\$44,800
270' WMEC Sustainment			FY18:Q1	FY28:Q4	\$8,500
47' MLB SLEP			FY15:Q4	FY26:Q4	\$5,250

National Security Cutter-PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

National Security Cutter (NSC)

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
National Security Cutter	N024-000006369	1	Procurement	Non-IT	Yes	\$255,400	\$54,000	\$65,000

PPA Level II Description

This PPA and FY 2019 funding will support Post Delivery Activities (PDA) for the seventh through ninth NSCs that are necessary to make these cutters ready for operations, as well as class-wide activities which include Test and Evaluation, program execution and support, and program close-out support to ensure an adequate and complete basis of technical and logistical material and information for full transition to sustainment.

Justification

These Legend Class NSCs are replacing the legacy High Endurance Cutters (WHECs), built between 1967 and 1972. Compared to WHECs, the NSCs provide increased endurance, intelligence, and maritime domain awareness capability in the offshore environment and better integration with Department of Defense operations. The NSC, along with the OPC, will comprise the Coast Guard's offshore response capability for the next 40 years, and is an essential element of DHS's layered security posture.

NSC missions are primarily focused on drug interdiction, fisheries enforcement, and defense readiness. NSCs also perform search and rescue; ports, waterways and coastal security; migrant interdiction; and serve as mobile command and control platforms for surge operations. Completion of the NSC program will improve long-term capacity and capability in the execution of long-range and extended Coast Guard mission assignments offshore.

FY 2017 Key Milestone Events

- Awarded NSC 9 production
- Delivered NSC 6
- Christened & launched NSC 7
- Laid keel on NSC 8
- Accomplished "Start Fabrication" milestone (first 100 tons constructed) for NSC 9

- Completed Structural Enhancement Drydock Availability (SEDA) on NSC 1
- Commenced SEDA on NSC 2

FY 2018 Planned Key Milestone Events

- Acceptance trials for NSC 7
- Deliver NSC 7
- Christening and launch of NSC 8
- Keel laying for NSC 9
- Complete SEDA on NSC 2
- Perform Follow-on Operational Test & Evaluation (FOT&E) on NSCs 4 and 5
- Perform FOT&E cyber-security assessment on NSC 4

FY 2019 Planned Key Milestone Events

- Acceptance trials for NSC 8
- Deliver NSC 8
- Christening and launch of NSC 9
- Perform FOT&E of small Unmanned Aircraft System (sUAS) on NSC

Funding History³

<i>FY</i>	<i>\$K</i>	<i>Major Activity Associated with Appropriated Funding</i>
2014 & Prior	\$4,406,253	NSC 6 segment 2 LLTM & production; NSC 4 PDA; NSC 7 Segment 1 & 2 LLTM & production; NSC 8 segment 1 LLTM
2015	\$533,047	NSC 8 Segment 2 LLTM and Production
	\$61,000	NSCs 4-8 PDA
	\$20,000	SEDA
	\$6,300	sUAS A-Kit on first NSC, & initial program funding**
2016	\$628,430	NSCs 5-8 PDA, NSC 9 Production
	\$18,000	SEDA
	\$12,000	Continue installation and testing of sUAS on NSC**
2017	\$114,400	NSCs 4-9 PDA, FOT&E/Closeout/Program Support
	\$95,000	NSC 10 LLTM
	\$40,000	SEDA
	\$6,000	Continue installation and testing of sUAS on NSC**
2018 ⁴	54,000	NSCs 6-8 PDA, close-out, & program support
<i>Total</i>	<i>\$5,994,430</i>	<i>Funding received for FY 2002 through FY 2018</i>

** sUAS funding is requested under the Aircraft PPA beginning FY 2018.

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$255,400	\$54,000	\$65,000
Research and Development				
Project Funding	\$5,685,030	\$255,400	\$54,000	\$65,000
Obligations	\$4,972,613	\$588,297		
Expenditures	\$3,896,807	\$517,815		

³ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

⁴ Reflects FY 2018 President's Budget request.

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-13-C-ADB014 (NSC 6 Production)	Huntington Ingalls Industries (HII)	FPIF	04/2013	04/2013	12/2017	Yes	\$497,738
HSCG23-13-C-ADB014 (NSC 7 LLTM)	HII	FFP	06/2013	06/2013	02/2018	No	\$85,667
HSCG23-13-C-ADB014 (NSC 7 Production)	HII	FPIF	03/2014	03/2014	02/2019	Yes	\$514,567
HSCG23-13-C-ADB014 (NSC 8 LLTM Segment 1)	HII	FFP	06/2014	06/2014	02/2019	No	\$88,493
HSCG23-13-C-ADB014 (NSC 8 Production)	HII	FPIF	3/2015	3/2015	02/2020	Yes	\$518,571
HSCG23-16-C-ADB016 (NSC 9 LLTM)	HII	FFP	08/2016	08/2016	09/2020	No	\$88,196
HSCG23-16-C-ADB-015 (SEDA NSC 1 & 2)	Vigor Marine (Seattle, WA)	FFP	02/2016	02/2016	09/2018	No	\$69,440
HSCG23-16-C-ADB016 (NSC 9 Production)	HII	FPIF	12/2016	12/2016	09/2021	Yes	\$521,799

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
NSC 4 PDA	FY02:Q4	FY04:Q1	FY16:Q1	FY17:Q4	\$2,096
NSC 5 PDA	FY02:Q4	FY04:Q1	FY11:Q4	FY17:Q3	\$3,907
NSC 6 PDA	FY02:Q4	FY04:Q1	FY13:Q2	FY19:Q1	\$15,085
NSC 7 PDA	FY02:Q4	FY04:Q1	FY14:Q2	FY21:Q4	\$54,199
NSC 8 PDA	FY02:Q4	FY04:Q1	FY15:Q2	FY21:Q4	\$14,204
NSC 9 PDA	FY02:Q4	FY04:Q1	FY16:Q3	FY23:Q1	\$3,400
NSC 10 LLTM	FY02:Q4	FY04:Q1	FY17:Q3	FY18:Q3	\$95,000
SEDA	FY02:Q4	FY04:Q1	FY15:Q2	FY18:Q4	\$40,000
Close-out/FOT&E/Program Support	FY02:Q4	FY04:Q1	FY17:Q1	FY21:Q4	\$21,509
sUAS	FY15:Q3	FY16:Q4	FY17:Q3	FY18:Q2	\$6,000
	FY 2018				
NSC 6 PDA	FY02:Q4	FY04:Q1	FY13:Q2	FY19:Q1	\$2,322
NSC 7 PDA	FY02:Q4	FY04:Q1	FY14:Q2	FY21:Q4	\$7,947
NSC 8 PDA	FY02:Q4	FY04:Q1	FY15:Q2	FY21:Q4	\$49,803
Close-out/FOT&E/Program Support	FY02:Q4	FY04:Q1	FY17:Q1	FY23:Q4	\$18,928
	FY 2019				
NSC 7 PDA	FY02:Q4	FY04:Q1	FY14:Q2	FY21:Q4	\$399
NSC 8 PDA	FY02:Q4	FY04:Q1	FY15:Q2	FY21:Q4	\$7,892
NSC 9 PDA	FY02:Q4	FY04:Q1	FY17:Q2	FY23:Q4	\$28,685
Close-out/FOT&E/Program Support	FY02:Q4	FY04:Q1	FY17:Q1	FY23:Q4	\$28,024

Offshore Patrol Cutter – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

Offshore Patrol Cutter (OPC)

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Offshore Patrol Cutter	N024-000006362	1	Procurement	Non-IT	Yes	\$75,000	\$500,000	\$400,000

PPA Level II Description

This PPA and FY 2019 funding will support construction of the second OPC and other elements including warranty, outfitting materials, spares, system stock, supply support, life cycle engineering, Economic Price Adjustment (EPA), and Antecedent Liability (A/L). Remaining funds will support Program Office technical and project support for program-wide activities and the Ship Design Team; C4ISR and combat system development and integration support; test and evaluation efforts; logistics management and training development; preparation for post-delivery activities; licensing, development, and procurement of government-furnished information and equipment; and Long Lead Time Material (LLTM) for OPC 3.

Justification

The OPC will replace the Coast Guard's fleet of Medium Endurance Cutters (WMECs) in accordance with the Coast Guard's recapitalization plan. The OPC is an essential element of the Department's layered security strategy for the Homeland.

OPC missions may include ports, waterways, and coastal security; search and rescue; drug interdiction; migrant interdiction; living marine resource; other law enforcement; and elements of defense readiness. Similar to the legacy WMEC fleet, OPCs will be able to support contingency operations for emergency response and national security, if needed.

FY 2017 Key Milestone Events

- Procured LLTM for OPC 1
- Completed Initial Critical Design Review
- Completed Early Operational Assessment
- Commenced Developmental Test and Evaluation – Phase I

FY 2018 Planned Key Milestone Events

- Conduct Final Critical Design Review
- Conduct Production Readiness Review
- Begin construction of OPC 1
- Procure LLTM for OPC 2
- Complete Developmental Test and Evaluation – Phase I
- Commence Developmental Test and Evaluation – Phase II

FY 2019 Planned Key Milestone Events

- Begin construction of OPC 2
- Procure LLTM for OPC 3
- Continue Developmental Test and Evaluation – Phase II
- ADE-2C decision (Low Rate Initial Production approval)

Funding History⁵

<i>FY</i>	<i>\$K</i>	<i>Major Activity Associated with Appropriated Funding</i>
2014 & Prior	\$154,994	Program Management Office (PMO) & Ship Design Team (SDT) support, Phase I – Preliminary & Contract Design (P&CD)
2015	\$20,000	PMO/SDT deliverables review during P&CD
2016	\$158,000	P&CD proposal evaluation, source selection & award of Detail Design
2017	\$75,000	LLTM for OPC 1
2018 ⁶	\$500,000	Construction for OPC 1, LLTM for OPC 2, & PMO costs
<i>Total</i>	<i>\$907,994</i>	<i>Funding received for FY 2004 through FY 2018</i>

⁵ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

⁶ Reflects FY 2018 President's Budget request.

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$75,000	\$500,000	\$400,000
Research and Development				
Project Funding	\$332,994	\$75,000	\$500,000	\$400,000
Obligations	\$273,585	\$56,297		
Expenditures	\$154,147	\$54,153		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-14-C-APC002 (Phase II – Detail Design)	Eastern Shipbuilding Group, Inc.	Fixed Price Incentive (Firm Target)	09/2016	10/2016	09/2021	Yes	\$110,290
HSCG23-14-C-APC002 (OPC-1 LLTM)	Eastern Shipbuilding Group, Inc.	Firm Fixed Price	09/2017	09/2017	09/2021	No	\$41,685

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Technical and Project Management			FY17:Q1	FY17:Q4	\$29,000
OPC 1 Long Lead Time Material	FY16:Q1	FY21:Q3	FY17:Q2	FY21:Q3	\$46,000
	FY 2018				
Technical and Project Management			FY18:Q1	FY18:Q4	\$37,500
OPC 1 Production	FY16:Q1	FY21:Q3	FY18:Q3	FY21:Q3	\$412,500
OPC 2 Long Lead Time Material	FY16:Q1	FY21:Q3	FY18:Q3	FY22:Q3	\$50,000
	FY 2019				
Technical and Project Management			FY19:Q1	FY19:Q4	\$44,000
OPC 2 Production	FY16:Q1	FY21:Q3	FY19:Q3	FY22:Q3	\$311,000
OPC 3 Long Lead Time Material	FY16:Q1	FY21:Q3	FY19:Q3	FY23:Q3	\$45,000

Fast Response Cutter – PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Fast Response Cutter (FRC)**Procurement, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Fast Response Cutter	N024-000006370	1	Procurement	Non-IT	Yes	\$325,000	\$240,000	\$240,000

PPA Level II Description

This PPA and FY 2019 funding supports production of four Fast Response Cutters (FRC), associated contract line items, project management costs, Economic Price Adjustment (EPA), Antecedent Liability (A/L), Post Delivery Activities (PDA), Government Furnished Equipment (GFE), and logistics and technical support under the third option of the Phase II FRC production contract. The Phase II contract is structured with annual options for procurement of four, five, or six cutters.

Justification

The Sentinel Class FRCs are replacing the legacy 110-foot Island Class patrol boats, in accordance with the Coast Guard's recapitalization plan, and will similarly operate in the coastal zone. FRC missions include: search and rescue; migrant interdiction; living marine resource enforcement; drug interdiction; and ports, waterways and coastal security. FRCs provide enhanced capabilities over the 110-foot Island Class patrol boats including improved C4ISR capability and interoperability; stern launch and recovery (through sea state 4) of a 40-knot, 7-meter Over-the-Horizon cutter boat; a remotely-operated, gyro-stabilized MK38 Mod 2/3 25mm main gun; improved sea keeping; and enhanced crew habitability.

Other capabilities include:

- Shipboard migrant interdiction evolutions, including detection, tracking, interdiction, embarkation and disembarkation, administrative processing, and retention onboard;
- Patrolling areas where suspected illegal migrant, drug, or fisheries activities may occur, and dispatching boarding teams to suspect vessels and subsequently escorting them to their final disposition;
- Searching for, locating, and recovering distressed mariners, providing medical assistance or evacuation, and providing safe transport;

- Controlling damage to distressed vessels and other property, providing dewatering equipment and mechanical assistance, and towing disabled vessels.

FY 2017 Key Milestone Events

- Delivered FRCs #20-25
- Awarded Option 1 under the Phase II contract, including FRCs #39-44
- Completed Follow-on Operational Test and Evaluation

FY 2018 Planned Key Milestone Events

- Delivery of FRCs #26-30
- Award Option 2 under the Phase II contract, including FRCs #45-48

FY 2019 Planned Key Milestone Events

- Delivery of FRCs #31-35
- Award Option 3 under the Phase II contract, including FRCs #49-52

Funding History⁷

<i>FY</i>	<i>\$K</i>	<i>Major Activity Associated with Appropriated Funding</i>
2014 & Prior	\$1,661,811	Base contract, options, & associated CLINs, (includes DeKort Settlement)
2015	\$106,000	Option period 7 plus associated CLINs
2016	\$348,248	Phase II Base contract option plus associated CLINs, (incl. \$8,247,840 in settlement funds from the 123' Island Class patrol boat modification program)
2017	\$325,000	Phase II Option Period 2 – 6 FRCs plus associated CLINs
2018 ⁸	\$240,000	Phase II Option Period 3 – 4 FRCs plus associated CLINs
<i>Total</i>	<i>\$2,681,059</i>	<i>Funding received for FY 2005 through FY 2018</i>

⁷ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

⁸ Reflects FY 2018 President's Budget request.

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$325,000	\$240,000	\$240,000
Research and Development				
Project Funding	\$2,116,059	\$325,000	\$240,000	\$240,000
Obligations	\$1,967,914	\$348,549		
Expenditures	\$1,293,013	\$281,729		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-08-C-2FR125 (Phase I)	Bollinger Shipyards, Inc.	Firm Fixed Price – Economic Price Adjustment (FFP-EPA)	9/2008	9/2008	9/2019	No	\$1,484,090
HSCG23-16-C-AFR625 (Phase II)	Bollinger Shipyards, Inc.	Firm Fixed Price – Economic Price Adjustment (FFP-EPA)	5/2016	5/2016	TBD	No	\$1,420,000

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Construction (hulls #39-44)			FY17:Q3	FY20:Q3	\$325,000
	FY 2018				
Construction (hulls #45-48)			FY18:Q3	FY22:Q2	\$240,000
	FY 2019				
Construction (hulls #49-52)			FY19:Q3	FY23:Q1	\$240,000

Cutter Boats – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

Cutter Boats

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Cutter Boats	N/A	Non-Major	Procurement	Non-IT	No	\$4,000	\$1,000	\$5,000

PPA Level II Description

This PPA and FY 2019 funding will continue the acquisition, development and management of production, delivery and warranty support for multi-mission cutter boats on NSCs, OPCs, FRCs, and support for in-service boat replacement. The boat acquisition program management office (PMO) provides centralized technical and acquisition support and expertise for both cutter boats and station response boats. Current active boat acquisition programs include Cutter Boat-Large (CB-L), Over-The-Horizon (OTH), Long Range Interceptor (LRI), and Response Boat-Small (RB-S).

Justification

The boat acquisition PMO ensures commonality across the operational community by supporting procurement of boats throughout the Coast Guard for use on newly acquired assets, as well as replacement boats for stations and in-service cutters. Given the expiration schedule of existing acquisition contracts, the PMO will initiate new contracts to develop the next generation of the OTH and will extend program support for the LRI in order to align with cutter delivery schedules.

The OTH is deployed on the NSC, FRC, Polar Icebreaker, and WMEC, and will be the cutter boat for the OPC. The OTH is a single-engine, open-cabin boat that operates beyond sight of the parent cutter (over-the-horizon) to deploy boarding parties to pursue and interdict targets of interest, and perform search and rescue operations.

The LRI is deployed on the NSC. The LRI is a dual-engine, enclosed-cabin boat that operates beyond sight of the parent cutter (over-the-horizon) with enhanced crew protection/comfort, greater storage capacity for longer duration missions, and increased capability for passenger and cargo transport.

FY 2017 Key Milestone Events

- Ordered OTH-IV #16-17 and LRI-II #8-9
- Delivered OTH-IV #14-15
- Program management to support cutter and response boat acquisitions

FY 2018 Planned Key Milestone Events

- Order OTH-IV #18-19; Order LRI-II #10
- Deliver OTH-IV #16-17; LRI-II #8-9
- Initiate incorporation of OPC requirements into standard OTH cutter boat request for proposal (RFP) documentation
- Program management to support cutter and response boat acquisitions

FY 2019 Planned Key Milestone Events

- Deliver OTH-IV #18-19; LRI-II #10
- Initiate new contract development for future OTH cutter boats
- Establish test agent and develop test plan for down selection
- Award contracts to purchase test boats, execute test plan and down-select to one production contract
- Program management to support cutter and response boat acquisitions

Funding History⁹

<i>FY</i>	<i>\$K</i>	<i>Major Activity Funded by Net Appropriation</i>
2014 & Prior	\$31,484	Construction CB-OTH-IV #1-11 and CB-LRI-II #1-6
2015	\$4,000	Construction CB-OTH-IV #12-13 and CB-LRI-II #7
2016	\$3,000	Construction CB-OTH-IV #14-15 and CB-LRI-II #8
2017	\$4,000	Construction CB-OTH-IV #16-17 and CB-LRI-II #9-10
2018 ¹⁰	\$1,000	Construction CB-OTH-IV #18-19
<i>Total</i>	<i>\$43,484</i>	<i>Funding received for FY 2002 through FY 2018</i>

⁹ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

¹⁰ Reflects FY 2018 President's Budget request.

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$4,000	\$1,000	\$5,000
Research and Development				
Project Funding	\$38,484	\$4,000	\$1,000	\$5,000
Obligations	\$33,309	\$3,254		
Expenditures	\$29,944	\$3,236		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-11-D-ACB014 (OTH-IV)	SAFE Boat Int'l, Inc.	Indefinite Delivery Indefinite Quantity/Firm Fixed Price (IDIQ/FFP)	06/2011	06/2011	06/2018	No	\$57,808
HSCG23-12-D-ACB023 (LRI-II)	MetalCraft Marine, Inc.	IDIQ/FFP	06/2012	06/2012	06/2020	No	\$12,300

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
OTH-IV #16-17 (Production boats #15-16)			FY17:Q3	FY18:Q1	\$900
LRI-II #9 and #10 (Production boats #8-9)			FY17:Q3	FY18:Q2	\$2000
Logistics, Engineering, Tech, & PM Support			FY17:Q1	FY18:Q4	\$550
PMO Support and Engineering updates/changes			FY17:Q2	FY18:Q2	\$550
	FY 2018				
OTH-IV #18-19 (Production boats #17-18)			FY18:Q3	FY19:Q1	\$900
PMO Support			FY18:Q1	FY18:Q4	\$100
	FY 2019				
Cutter Boat Contract Development and Awards (including test boats)			FY19:Q1	FY20:Q1	\$2,500
Cutter Boat Testing, Evaluation, and Management			FY19:Q4	FY20:Q3	\$1,500
PMO Support			FY19:Q1	FY19:Q4	\$1,000

Polar Icebreaker – PPA Level II
Capital Investment Exhibits
Procurement/Acquisition Programs

Polar Icebreaker**Procurement, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Polar Icebreaker	N024-000006381	1	Procurement	Non-IT	Yes	\$25,000	\$19,000	\$30,000

PPA Level II Description

This PPA and FY 2019 funding will support program management activities to award a contract for Detail Design and Construction in FY 2019. Specifically, this funding supports the following: program management office support; logistics planning; feasibility studies and maintaining the indicative design; cyber-security planning; system integration test planning, C4ISR support, project resident office initiation, and Navy reimbursable technical support.

Justification

To support national interests in the Polar Regions and provide assured surface presence in those ice-impacted waters, the Coast Guard is recapitalizing its heavy polar icebreaking fleet. The Program is pursuing efficient, timely, and cost-effective solutions towards this objective to manage and limit acquisition risks, optimize operational effectiveness, and minimize life-cycle costs.

The Program entered the “Need” phase at Acquisition Decision Event (ADE-0) in July 2012, and transitioned to the “Analyze/Select” phase (ADE-1) in June 2014. In July 2016, the Coast Guard established an Integrated Program Office with the Navy to continue efforts to accelerate the construction timeline and leverage the expertise and best practices from shipbuilding programs in both services. Based on this collaboration and lessons learned by the Navy, the Program was able to significantly mature the acquisition approach with the incorporation of Industry Studies to identify solutions to minimize cost, schedule, production, and technology risks. Industry Studies focused on leveraging industry perspectives, existing vessel designs, and use of mature technology, which informed the iterative development of the Heavy Polar Icebreaker system specification. Future “Obtain” phase activities include release of a Request for Proposal (RFP) and award of a contract for Detail Design & Construction in FY 2019.

FY 2017 Key Milestone Events

- Released acquisition strategy to industry for feedback through a Request for Information (RFI)
- Released Industry Studies RFP
- Awarded five contracts for Industry Studies
- Released draft system specification for industry review and comment
- Commenced Ice Tank & Open Water model testing of indicative design
- Received and reviewed deliverables from Industry Studies
- Continued Feasibility Studies
- Continued to refine Indicative Design(s)
- Completed Alternatives Analysis
- Continued industry engagement and collaboration with international stakeholders
- Completing acquisition documents in preparation for Acquisition Decision Event 2A/2B
- Maturing Detail Design & Construction RFP

FY 2018 Planned Key Milestone Events

- Complete Industry Studies
- Complete Feasibility Studies
- Complete Indicative Design
- Continue industry engagement and collaboration with international stakeholders
- Complete National Environmental Policy Act (NEPA) Study
- Achieve Acquisition Decision Event 2A/2B
- Release final Detail Design & Construction RFP
- Complete model testing of Indicative Design
- Begin source selection for Detail Design & Construction contract

FY 2019 Planned Key Milestone Events

- Award contract for Detail Design and Construction
- Establish a Project Resident Office
- Continue industry engagement and collaboration with international stakeholders

Funding History¹¹

<i>FY</i>	<i>\$K</i>	<i>Major Activity Associated with Appropriated Funding</i>
2014 & Prior	\$9,609	Pre-acquisition development activities
2015	\$0	Pre-acquisition development activities supported by carryover
2016	\$6,000	Pre-acquisition development activities
	\$30,000	Industry Studies, Ice Tank Testing & modeling activities, & Program Mgmt Office (PMO) & Ship Design Team (SDT) support. Note: These funds were provided through a reprogramming action that increased the total FY16 budget authority to \$36,000 to fund program activities during the FY17 Continuing Resolution.
2017	\$25,000	Pre-acquisition development activities
2018 ¹²	\$19,000	Pre-acquisition development activities
<i>Total</i>	<i>\$89,609</i>	<i>Funding received for FY 2013 through FY 2018</i>

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$25,000	\$ 19,000	\$30,000
Research and Development				
Project Funding	\$45,609	\$25,000	\$ 19,000	\$30,000
Obligations	\$11,012	\$42,736		
Expenditures	\$5,524	\$22,020		

¹¹ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

¹² Reflects FY 2018 President's Budget request.

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-17-C-APB004 (Industry Studies)	Bollinger Shipyards	FFP	02/2017	02/2017	02/2018	No	\$3,990
HSCG23-17-C-APB010 (Industry Studies)	Fincantieri Marine Group	FFP	02/2017	02/2017	02/2018	No	\$3,998
HSCG23-17-C-APB011 (Industry Studies)	National Steel and Shipbuilding Company	FFP	02/2017	02/2017	02/2018	No	\$4,000
HSCG23-17-C-APB012 (Industry Studies)	Huntington Ingalls Inc	FFP	02/2017	02/2017	02/2018	No	\$3,999
HSCG23-17-C-APB013 (Industry Studies)	VT Halter Marine	FFP	02/2017	02/2017	02/2018	No	\$3,975

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Survey Design and Engineering			FY17:Q1	FY21:Q4	\$10,000
Project Management and Technical			FY17:Q1	FY21:Q4	\$10,000
Acquisition Management Support			FY17:Q1	FY21:Q4	\$5,000
	FY 2018				
Survey Design and Engineering			FY18:Q1	FY22:Q4	\$6,000
Project Management and Technical			FY18:Q1	FY22:Q4	\$10,000
Acquisition Management Support			FY18:Q1	FY22:Q4	\$3,000
	FY 2019				
Survey Design and Engineering			FY19:Q1	FY23:Q4	\$10,000
Project Management and Technical			FY19:Q1	FY23:Q4	\$10,000
Acquisition Management Support			FY19:Q1	FY23:Q4	\$10,000

Waterways Commerce Cutter – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

Waterways Commerce Cutter (WCC)

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Waterways Commerce Cutter	N/A	Non-Major	Procurement	Non-IT	No	-	\$1,100	\$5,000

PPA Level II Description

The Waterways Commerce Cutter (WCC) program will evaluate materiel and non-materiel options to replace the capabilities provided by the current fleet of inland tenders and barges commissioned between 1944 and 1990. The current fleet is comprised of 75-foot, 100-foot, and 160-foot Inland Construction Tenders (WLIC); 65-foot and 100-foot Inland Buoy Tenders (WLI); and 65-foot and 75-foot River Buoy Tenders (WLR) that collectively average over 55 years in age. Funding supports Program Management Office (PMO) activities to evaluate replacement of this vital capability, including the potential for commercial services and alternative crewing options, as well as recapitalization alternatives.

Justification

These platforms that serve the Nation's inland waterways and western rivers provide vital services to the Marine Transportation System, and have an important role in the movement of commerce by maintaining structures, beacons and buoys in the First, Fifth, Seventh, Eighth, Ninth, Thirteenth and Seventeenth Coast Guard Districts. In 2014 alone, approximately 600 million tons of cargo, worth an estimated \$230B, moved through the Marine Transportation System in the inland waterways and western rivers. Mariners and the shipping industry depend on fixed and floating Aids to Navigation to safely navigate these waters and prevent accidents that could have significant environmental and/or economic impacts.

In addition to obvious age concerns and the associated equipment obsolescence issues, the legacy fleet presents other sustainment challenges, including hazardous materials as a result of the use of asbestos and lead paint during construction of these over 50 year old assets. Outdated technology and vessel designs have led to crew safety concerns, maintenance cost increases, and non-compliance with environmental regulations. Finally, the vessels' configuration does not allow the assignment of mixed gender crews in accordance with the Coast Guard's workforce goals.

FY 2017 Planned Key Milestone Events (Prior Year)

- Further matured designs
- Began other pre-acquisition activities including the alternatives analysis study plan

FY 2018 Planned Key Milestone Events (Year of Execution)

- Project planning
- Analyze/Select phase documentation development including operational requirements, early prototype design studies, and alternatives analysis

FY 2019 Planned Key Milestone Events (Budget Year)

- Continue project planning activities
- Complete Analyze/Select phase documentation development
- Continue design development for possible material solutions

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$1,000 ¹³	\$1,100	\$5,000
Research and Development				
Project Funding		\$1,000	\$1,100	\$5,000
Obligations		\$744		
Expenditures		\$0		

¹³ Funding was appropriated in Survey & Design specifically for further maturing of designs and/or executing pre-acquisition activities.

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Program Management			FY17:Q1	FY21:Q4	\$1,000
	FY 2018				
Program Management			FY18:Q1	FY22:Q4	\$1,100
	FY 2019				
Program Management/Design Development			FY19:Q1	FY23:Q4	\$5,000

**Polar Sustainment – PPA Level II
Capital Investment Exhibits**

Procurement/Acquisition Programs**Polar Sustainment****Procurement, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Polar Sustainment	N/A	Non-Major	Procurement	Non-IT	No	-	-	\$15,000

PPA Level II Description

This PPA and FY 2019 funding will support Program Management activities for a multi-year Service Life Extension Project (SLEP) for POLAR STAR including activities that complement survey and design efforts to begin project planning and development of acquisition documentation. Additionally, funds will be used to begin procurement of certain long lead time materials for this effort.

Justification

The Coast Guard's two heavy polar icebreakers are over 45 years old and well past their designed service life. Currently only one heavy polar icebreaker is in active service (POLAR STAR) with the other vessel (POLAR SEA) in an inactive status serving to provide specialty parts to help sustain POLAR STAR. To ensure POLAR STAR can continue to meet and support national interests in the Polar Regions and provide assured surface presence in those ice-impacted waters, the Coast Guard needs to maintain POLAR STAR's ability to perform these missions while recapitalizing the heavy polar icebreaking fleet. Accordingly, this SLEP is intended to extend POLAR STAR's service life so that it remains operational until at least FY 2025.

FY 2019 Planned Key Milestone Events (Budget Year)

- Commence project planning
- Begin procurement activities for certain long lead time materials

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements				\$15,000
Research and Development				
Project Funding				\$15,000
Obligations				
Expenditures				

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

Significant Changes to Investment since Prior Year Enacted

New request is consistent with the FY18-22 Capital Investment Plan.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
N/A					
	FY 2018				
N/A					
	FY 2019				
Project Management and Technical			FY19:Q1	FY21:Q4	\$5,000
Long Lead Time Materials			FY19:Q1	FY21:Q4	\$10,000

*Aircraft - PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
HC-144 Conversion/Sustainment	\$25,500	-	\$17,000	\$17,000
HC-27J Conversion/Sustainment	\$130,000	\$52,000	\$80,000	\$28,000
HC-130J Acquisition/Conversion/Sustainment	\$111,800	\$5,600	-	(\$5,600)
HH-65 Conversion/Sustainment	\$40,000	\$22,000	\$20,000	(\$2,000)
MH-60T Sustainment	-	\$2,500	\$25,000	\$22,500
Small Unmanned Aircraft Systems	-	\$500	\$6,000	\$5,500
Total	\$307,300	\$82,600	\$148,000	\$65,400
Discretionary - Appropriation	\$307,300	\$82,600	\$148,000	\$65,400

PPA Description

The Aircraft PPA provides funding for recapitalization and sustainment of the Coast Guard's fleet of fixed and rotary-wing aircraft.

The Coast Guard's fleet of fixed and rotary-wing aircraft supported within this program collectively performs all Coast Guard missions in the Offshore, Coastal and Inland AORs. The land-based fixed-wing aircraft include the HC-144A, HC-130H/J and HC-27J aircraft. The Coast Guard's fleet of HC-144As and HC-27Js provide medium-range surveillance (MRS) fixed-wing capability. The Coast Guard's fleet of existing HC-130Hs and HC-130Js provide long-range surveillance (LRS) fixed-wing capability. Each of these fixed-wing aircraft enables the Coast Guard to conduct airborne surveillance, detection, classification, and identification of vessels and other aircraft.

The Coast Guard's fleet of rotary-wing aircraft includes the H-60 and H-65 helicopters. The H-60 is a medium-range recovery (MRR) helicopter, and the H-65 is a short-range recovery (SRR) helicopter. Both aircraft are deployed from land-based air stations; the H-65 is also deployed routinely aboard the Coast Guard's fleet of NSCs, WHECs, and WMECs. Similarly, the Coast Guard will continue operational evaluation of small Unmanned Aircraft Systems (sUAS) onboard the NSC, and award a service contract to fulfill the unmanned air surveillance capability requirements.

Aircraft - PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$307,300	\$82,600	\$148,000
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$212,319	\$211,725	\$41,013
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	(\$1,700)	-	-
Total Budget Authority	\$517,919	\$294,325	\$189,013
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$517,919	\$294,325	\$189,013
Obligations (Actual/Projections/Estimates)	\$306,194	\$1,100,830	\$171,523
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

Aircraft – PPA Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$307,300
FY 2018 President's Budget	-	-	\$82,600
FY 2019 Base Budget	-	-	-
HC-144 Conversion/Sustainment	-	-	\$17,000
HC-27J Conversion/Sustainment	-	-	\$80,000
HH-65 Conversion/Sustainment	-	-	\$20,000
MH-60T Sustainment	-	-	\$25,000
Small Unmanned Aircraft Systems	-	-	\$6,000
Total Investment Elements	-	-	\$148,000
FY 2019 Request	-	-	\$148,000
FY 2018 TO FY 2019 Change	-	-	\$65,400

Aircraft – PPA
Non Pay Budget Exhibits
Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$1,465	\$484	\$350	(\$134)
25.1 Advisory and Assistance Services	\$61,811	\$10,473	\$9,660	(\$813)
25.2 Other Services from Non-Federal Sources	\$675	\$1,460	\$320	(\$1,140)
25.3 Other Goods and Services from Federal Sources	\$29,774	\$40,000	\$64,430	\$24,430
25.7 Operation and Maintenance of Equipment	-	-	\$4,726	\$4,726
26.0 Supplies and Materials	\$65,149	\$8,331	\$13,803	\$5,472
31.0 Equipment	\$148,426	\$21,852	\$54,711	\$32,859
Total - Non Pay Object Classes	\$307,300	\$82,600	\$148,000	\$65,400

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
HC-144 Conversion/Sustainment	\$25,500	-	\$17,000	\$17,000
HC-27J Conversion/Sustainment	\$130,000	\$52,000	\$80,000	\$28,000
MH-60T Sustainment	-	\$2,500	\$25,000	\$22,500
HH-65 Conversion/Sustainment	\$40,000	\$22,000	\$20,000	(\$2,000)
Other Costs	\$111,800	\$6,100	\$6,000	(\$100)
Total Non Pay Cost Drivers	\$307,000	\$82,600	\$148,000	\$65,400

NARRATIVE EXPLANATION OF CHANGES

HC-144A: The FY 2019 funds support the ongoing HC-144A project including retrofit of the legacy Mission System and associated sensors with the Coast Guard variant of the U.S. Navy Minotaur system.

HC-27J: The FY 2019 funds support the ongoing HC-27J project, including continued mission system non-recurring engineering required to support air frame modifications, and continued funding for prototype and validation/verification aircraft.

MH-60T: The FY 2019 funds support the MH-60T Service Life Extension Project, which will mitigate structural concerns associated with the 20,000 flight hour service limit and extend the service life to align with the future vertical lift acquisition.

HH-65: The FY 2019 funds support the FY 2019 requirement for the ongoing HH-65 program, including reliability and sustainability improvements of obsolete components, an avionics capability increase, and service life extension through replacement of time limited structural components.

Other: The FY 2019 funds support the FY 2019 requirement for small Unmanned Aircraft Systems (sUAS) carried on the NSC fleet. Although there is no request for C-130J in FY19, this line incorporates previous C-130J funding to continue activities in support of the acquisition of missionized aircraft and retrofit of the legacy Mission System and associated sensors with the Coast Guard variant of the U.S. Navy Minotaur system.

Aircraft – PPA
Capital Investment Exhibits

Capital Investment

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
HC-27J Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$130,000	\$52,000	\$80,000
HH-65 Conversion/Sustainment	N024-000006366	1	Procurement	Non-IT	Yes	\$40,000	\$22,000	\$20,000
HC-144 Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$25,500	-	\$17,000
HC-130J Acquisition/Conversion/Sustainment	N024-000006382	1	Procurement	Non-IT	Yes	\$111,800	\$5,600	-
Small Unmanned Aircraft Systems	N024-000006404	3	Procurement	Non-IT	Yes	-	\$500	\$6,000
MH-60T Sustainment	N/A	Non-Major	Procurement	Non-IT	No	-	\$2,500	\$25,000

HC-27J Conversion/Sustainment – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

HC-27J Conversion/Sustainment

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
HC-27J Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$130,000	\$52,000	\$80,000

PPA Level II Description

This PPA will support requirements to establish logistics for 14 newly acquired HC-27J aircraft. Activities include HC-27J Asset Project Office (APO) activities and support, logistics (including initial spares and equipment), training, and engineering studies to assess and resolve aircraft obsolescence issues. The funds also will continue missionization prototype development. Missionization activities include non-recurring engineering (NRE), structural modifications, procurement of mission systems, prototype and validation / verification aircraft installations, testing, and mission system logistics.

Justification

The HC-27J is one of the Coast Guard's medium-range surveillance (MRS) aircraft. The engines and propellers share commonality with Coast Guard's HC-130J aircraft. The two-engine high-efficiency turboprop design allows extended surveillance and quick response capability. Once missionized, the HC-27J will be a multi-mission asset that performs search and rescue; alien migrant interdiction operations; counter-drug operations; ports, waterways, and coastal security; and marine environmental protection missions, as well as cargo and personnel transport in support of mission requirements.

FY 2017 Key Milestone Events

- Continued APO operations
- Continued Contractor Logistics Support
- Continued airworthiness efforts coordinated with NAVAIR
- Continued aircraft regeneration and induction
- Continued procurement of logistics
- Continued NRE for aircraft missionization

- Completed stand-up of first operational air station
- Inducted two aircraft into programmed depot maintenance (PDM) and began to develop PDM technical manuals
- Began engineering studies to assess and resolve aircraft obsolescence

FY 2018 Planned Key Milestone Events

- Continue APO operations
- Continue Contractor Logistics Support
- Continue airworthiness efforts coordinated with NAVAIR
- Complete aircraft regeneration and induction
- Continue procurement of logistics
- Continue NRE for aircraft missionization
- Commence missionization of prototype aircraft
- Complete engineering studies to assess and resolve aircraft obsolescence

FY 2019 Planned Key Milestone Events

- Continue APO operations
- Continue Contractor Logistics Support
- Continue airworthiness efforts coordinated with NAVAIR
- Continue procurement of logistics
- Continue NRE for aircraft missionization
- Continue missionization of prototype aircraft
- Commence prototype testing
- Commence missionization of validation and verification aircraft
- Commence NRE and prototype development for HC-27J cockpit improvements and obsolescence

Funding History¹⁴

<i>FY</i>	<i>\$K</i>	<i>Major Activity Funded by Net Appropriation</i>
2014	\$24,900	Stand-up of Asset Project Office
2015	\$20,000	Spares, aircraft regeneration; NAVAIR airworthiness efforts coordination
2016	\$102,000	Logistics, spares, missionization NRE, begin transition of first AIRSTA
2017	\$130,000	Logistics, spares, missionization NRE, complete transition of first AIRSTA
2018 ¹⁵	\$52,000	Logistics, spares, missionization NRE and prototype installation
<i>Total</i>	<i>\$328,900</i>	<i>Funding received for FY 2014 through FY 2018</i>

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$130,000	\$52,000	\$80,000
Research and Development				
Project Funding	\$146,900	\$130,000	\$52,000	\$80,000
Obligations	\$95,853	\$129,452		
Expenditures	\$39,402	\$64,506		

¹⁴ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

¹⁵ Reflects FY 2018 President's Budget request.

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
Multiple	Leonardo	FFP	Multiple 09/2016 - 06/2017	09/2016	06/2021	No	\$37,086
Multiple	NAVAIR	MIPR	Multiple 07/2016 - 03/2017	07/2016	09/2020	No	\$59,464
HSCG23-17-X-AMJ024	SOFSA	MIPR	08/2017	08/2017	08/2018	No	\$1,844
HSCG23-15-X-000001	U.S. Forest Service	MIPR	12/2014	12/2014	06/2018	No	\$2,305
HSCG23-16-D-N5001	Rockwell Collins	FFP	01/2017	01/2017	01/2019	No	\$2,188
HCSG23-17-D-N5002	Zodiac	FFP	06/2017	06/2017	06/2022	No	\$1,075
HCSG23-17-P-N5003	Pratt & Whitney	FFP	06/2017	06/2017	06/2022	No	\$1,775

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Regeneration, logistics, and missionization			FY17:Q1	FY17:Q4	\$130,000
	FY 2018				
Logistics and missionization			FY18:Q1	FY18:Q4	\$52,000
	FY 2019				
Logistics and missionization			FY19:Q1	FY19:Q4	\$80,000

HC-130J Acquisition/Conversion/Sustainment – PPA Level II**Capital Investment Exhibits****Procurement/Acquisition Programs****HC-130J Acquisition/Conversion/Sustainment****Acquisition, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
HC-130J Acquisition/Conversion/Sustainment	N024-000006382	1	Procurement	Non-IT	Yes	\$111,800	\$5,600	-

PPA Level II Description

The HC-130J project includes acquisition of HC-130J aircraft, development and installation of the mission system, and logistics. Logistics include acquiring initial spares and support equipment to properly maintain the HC-130J aircraft at multiple locations. This carryover funds continues to fund the retrofit of legacy Mission System Suite (MSS) HC-130J aircraft with the Coast Guard variant of U.S. Navy Minotaur Mission System Suite + (MSS+). The upgrade will improve system performance, address obsolescence issues, improve cyber security of the mission system, and increase compatibility with Customs and Border Protection mission systems through conversion to the Department of Homeland Security (DHS) program of record mission system processor.

Justification

The HC-130J aircraft are replacing the aging Coast Guard HC-130H fleet. The HC-130J is a major contributor to performance of the Coast Guard's statutory missions with specific contributions to DHS and Coast Guard Programs of Maritime Law Enforcement, Maritime Response, Defense Operations, and Marine Transportation System Management.

FY 2017 Planned Key Milestone Events

- Completed CGNR-2003 MSS+ performance testing
- Completed CGNR-2009 & CGNR-2008 MSS+ install
- Commenced MSS+ install on 2 additional legacy aircraft
- Accepted baseline aircraft CGNR-2010 & commenced MSS+ install
- Continued procurement of initial spares and equipment to support stand-up of a second HC-130J unit

FY 2018 Planned Key Milestone Events

- Complete MSS+ install on 2 legacy aircraft
- Complete CGNR-2010 MSS+ install
- Commence MSS+ install on 2 additional legacy aircraft
- Accept baseline aircraft CGNR-2011 & commence MSS+ install
- Begin transition activities for second HC-130J operating site
- Complete procurement of initial spares and equipment to support stand-up of a second HC-130J unit

FY 2019 Planned Key Milestone Events

- Complete MSS+ installations on 2 legacy aircraft
- Commence MSS+ installations on 2 additional legacy aircraft
- Accept baseline aircraft CGNR-2012 and CGNR-2013 and commence MSS+ install
- Continue transition activities for second HC-130J operating site

Funding History¹⁶

<i>FY</i>	<i>\$K</i>	<i>Major Activity Associated with Appropriated Funding</i>
2014 & Prior	\$463,098	HC-130H A1U and CWB; HC-130J #9-11 procurement, missionization, and sparing; MSS+ development
2015	\$103,000	Procurement and missionization of HC-130J #12; HC-130J spares
2016	\$145,000	Procurement and missionization of HC-130J #13; initial spares and equipment for second HC-130J site activation
2017	\$111,800	Procurement and missionization of HC-130J #14; HC-130J spares; MSS+ retrofit of legacy aircraft; Multi-function training aid
2018 ²	\$5,600	MSS+ retrofit of legacy aircraft
<i>Total</i>	\$828,498	<i>Funding received FY 2003 through FY 2018</i>

¹⁶ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

² Reflects FY 2018 President's Budget request.

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Acquisition, Construction, and Improvements		\$111,800	\$5,600	\$0
Research and Development				
Project Funding	\$711,098	\$111,800	\$5,600	\$0
Obligations	\$595,031	\$110,763		
Expenditures	\$299,439	\$85,036		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-14-X-2DA023	USAF	MIPR	3/2014	4/2014	9/2018	No	\$66,000
HSCG23-17-X-2DA722	USAF	MIPR	6/2017	6/2017	4/2020	No	\$65,000
HSCG23-15-X-2DA007	USAF	MIPR	5/2015	5/2015	6/2019	No	\$65,000
HSCG23-16-X-2DA004	USAF	MIPR	4/2016	4/2016	9/2019	No	\$64,000
HSCG23-15-C-2DA002	L-3 PID	FFP	9/2015	9/2015	9/2020	No	\$61,396
HSCG23-14-X-2DA018	USAF	MIPR	3/2014	3/2014	9/2017	No	\$61,149
HSCG23-14-X-2DA008	NAWC-AD	MIPR	4/2014	4/2014	3/2018	No	\$11,318
HSCG23-15-X-2DA016	USAF	MIPR	6/2015	6/2015	6/2017	No	\$9,044

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Aircraft #14 & MSS+			FY17:Q3	FY21:Q4	\$90,000
MSS+ Retrofit			FY17:Q1	FY19:Q1	\$9,800
Spares			FY17:Q2	FY17:Q4	\$9,300
Multi-Function Training Aid			FY17:Q1	FY20:Q4	\$1,000
	FY 2018				
MSS+ Retrofit			FY18:Q1	FY20:Q1	\$5,600
	FY 2019				
N/A					

HH-65 Conversion/Sustainment – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

MH-65 Conversion/Sustainment

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
HH-65 Conversion/Sustainment	N024-000006366	1	Procurement	Non-IT	Yes	\$40,000	\$22,000	\$20,000

PPA Level II Description

The MH-65 Program is comprised of eight Discrete Segments (DS). Each segment consists of upgrades and modernization of aging components and sub-systems necessary to sustain readiness, stabilize maintenance costs, and comply with Federal Aviation Administration safety requirements. The latest DS, DS8, replaces specific structural components to extend the usable service life of each airframe an additional 10,000 hours. DS1 (Re-Engine), DS2 (National Capital Region Air Defense (NCRAD)), DS3 (Airborne Use of Force (AUF)) and DS4 (Obsolete Component Modernization (OCM)) were fully funded through prior year appropriations. DS5 (Shipboard Handling, Securing and Traversing System (SHSTS)) and DS7 (Surface Search Radar) were canceled in FY 2012 as documented in the Acquisition Program Baseline. The FY 2019 President's Budget will support Discrete Segment 6 (DS6) – Automatic Flight Control System (AFCS)/Avionics upgrades, and DS8 – Service Life Extension Project (SLEP), for the MH-65 helicopters.

Justification

This program continues modernization and sustainment of the Coast Guard's MH-65 helicopter fleet. The modernization effort includes reliability and sustainability improvements where obsolete components are replaced with modernized sub-systems, including an integrated cockpit and sensor suite.

FY 2017 Key Milestone Events

- Continued DS6 (AFCS/Avionics) design and integration
- Continued Developmental Testing & Evaluation
- Continued Operational Assessment of the MH-65E
- Began DS8 SLEP activities

FY 2018 Planned Key Milestone Events

- Continue DS6 (AFCS/Avionics) design, integration, and procurement
- Continue Developmental Testing & Evaluation
- Complete Operational Assessment of the MH-65E
- Continue planning and procurement to support DS8 SLEP activities

FY 2019 Planned Key Milestone Events

- Continue DS6 (AFCS/Avionics) design, integration, and procurement
- Continue Developmental Testing & Evaluation
- Complete Initial Operational Testing and Evaluation
- Continue planning and procurement to support DS8 SLEP activities

Funding History¹⁷

<i>FY</i>	<i>\$K</i>	<i>Major Activity Funded by Net Appropriation</i>
2014 & Prior	\$570,223	MH-65 Conversion and Sustainment Program
2015	\$30,000	MH-65 Conversion and Sustainment Program
2016	\$20,960	MH-65 Conversion and Sustainment Program
2017	\$40,000	MH-65 Conversion and Sustainment Program
2018 ¹⁸	\$22,000	MH-65 Conversion and Sustainment Program
<i>Total</i>	<i>\$683,183</i>	<i>Funding received for FY 2002 through FY 2018</i>

¹⁷ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

¹⁸ Reflects FY 2018 President's Budget request.

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$40,000	\$22,000	\$20,000
Research and Development				
Project Funding	\$621,183	\$40,000	\$22,000	\$20,000
Obligations	\$585,138	\$38,886		
Expenditures	\$557,888	\$31,660		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-17-C-AHH001	Rockwell Collins (RCI)	FFP	01/2017	01/2017	01/2018	No	\$53,381
HSCG23-17-C-AHH004	Rockwell Collins (RCI)	FFP	03/2017	03/2017	05/2019	No	\$13,170
HSCG23-16-C-AHH001	Rockwell Collins (RCI)	FFP	11/2015	04/2016	11/2018	No	\$11,806
MIPR	JF Taylor, Inc.	FFP	04/2016	04/2016	04/2018	No	\$9,856
HSCG38-16-D-200003	Telephonics Corp.	FFP	07/2016	07/2016	07/2018	No	\$9,475

Coast Guard Aviation Logistics Center (ALC) is the integrator for the MH-65 program.

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
DS 6 (AFCS/Avionics) and DS8 (SLEP) Obtain	FY10:Q3	FY17:Q2	FY12:Q1	FY22:Q2	\$40,000
	FY 2018				
DS6 (AFCS/Avionics) Production and DS8 (SLEP) Obtain	FY10:Q3	FY20:Q1	FY12:Q1	FY24:Q2	\$22,000
	FY 2019				
DS6 (AFCS/Avionics) Production and DS8 (SLEP) Obtain	FY10:Q3	FY20:Q1	FY12:Q1	FY24:Q2	\$20,000

HC-144 Conversion/Sustainment – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

HC-144 Conversion/Sustainment

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
HC-144 Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$25,500	-	\$17,000

PPA Level II Description

This PPA and FY 2019 funds will support the HC-144A Conversion/Sustainment by continuing retrofits of the legacy Mission System and associated sensors with the Coast Guard variant of U.S. Navy Minotaur mission system which changes their designation to HC-144B. The upgrade will improve system performance, address obsolescence issues, and improve cyber security of the mission system. The HC-144 aircraft are stationed at Mobile, Alabama; Miami, Florida; Cape Cod, Massachusetts; and Corpus Christi, Texas.

Justification

The HC-144 Ocean Sentry is a medium-range surveillance (MRS) and transport aircraft providing fixed-wing air capability; complementing the HC-27J aircraft and the long-range, heavy-lift four-engine HC-130 aircraft. The two-engine high-efficiency turboprop design allows extended surveillance and quick response capability at a relatively low cost per flight hour. The HC-144 is a multi-mission platform that performs search and rescue; law enforcement; homeland security; marine environmental protection; as well as assistance with cargo and personnel transport. The aircraft can perform aerial delivery of search and rescue equipment, such as rafts, pumps, and flares, and, can be used as an On-Scene Commander platform.

FY 2017 Key Milestone Events

- Completed Test and Evaluation of the Minotaur mission system processor
- Completed install of the HC-144 Minotaur mission system prototype
- Commenced Minotaur mission system and associated sensors retrofits of the HC-144 fleet

FY 2018 Planned Key Milestone Events

- Continue the Minotaur mission system and associated sensors retrofits of the HC-144 fleet

FY 2019 Planned Key Milestone Events

- Continue the Minotaur mission system and associated sensors retrofits of the HC-144 fleet

Funding History¹⁹

<i>FY</i>	<i>\$K</i>	<i>Major Activity Funded by Net Appropriation</i>
2014 & Prior	\$1,042,228	Procure 18 HC-144A, initial spares, follow-on mission system development
2015	\$15,000	Initial Spares
2016	\$3,000	Initial Spares
2017	\$25,500	Begin Minotaur mission system and associated sensors retrofits
2018 ²⁰	\$0	
<i>Total</i>	<i>\$1,085,728</i>	<i>Funding for FY 2002 through FY 2018</i>

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$25,500	\$0	\$17,000
Research and Development				
Project Funding	\$1,060,228	\$25,500	\$0	\$17,000
Obligations	\$1,057,756	\$17,465		
Expenditures	\$1,049,297	\$11,798		

¹⁹ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

²⁰ Reflects FY 2018 President's Budget request.

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-14-R-2DA005	EADS-NA (Spares)	FFP	07/2014	07/2014	07/2018	No	\$58,403
HSCG23-17-X-2DA040	NAVAIR (Minotaur)	MIPR	04/2017	04/2017	09/2018	No	\$2,282
HSCG23-15-F-2DA021 P00004	FLIR (Surveillance)	FFP	04/2017	04/2017	09/2018	No	\$6,011
HSCG23-17-C-2DAM03	TFAB Defense Systems	FFP	08/2017	08/2017	03/2019	No	\$7,530

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Minotaur Mission System			FY17:Q1	FY20:Q4	\$25,500
	FY 2018				
N/A					
	FY 2019				
Minotaur Mission System			FY17:Q1	FY22:Q4	\$17,000

MH-60T Sustainment – PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

MH-60T Sustainment**Procurement, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
MH-60T Sustainment	N/A	Non-Major	Procurement	Non-IT	No	-	\$2,500	\$25,000

PPA Level II Description

The MH-60T is a multi-mission, Medium Range Recovery (MRR) helicopter. The FY 2019 President's Budget provides funding to support a 10,000-hour Service Life Extension Project (SLEP) for the Coast Guard fleet of 45 MRR MH-60T helicopters. The MH-60T contains time-limited structural fittings and dynamic components that necessitate the 20,000 hour service life limit. This SLEP will extend service life of MRR airframes into the mid-2030s to align the Coast Guard's recapitalization of these airframes with Department of Defense Future Vertical Lift acquisitions. The FY 2019 funding includes materials and labor to complete proof of concept activities including, but not limited to, partial conversion of Navy H-60H/F aircraft into the Coast Guard MH-60T hull configuration to inform the analyze/select phase of the program. Production activities will be performed at the CG Aviation Logistics Center (ALC).

Justification

This airframe complements the Short Range Recovery (SRR) MH-65 helicopter in support of a 24/7 search and rescue and disaster recovery posture while also contributing to other Coast Guard missions such as ports, waterways, and coastal security; marine environmental protection; living marine resources; drug interdiction; migrant interdiction; and other law enforcement.

FY 2018 Planned Key Milestone Events

- Initiate the acquisition program and develop documentation

FY 2019 Planned Key Milestone Events

- Continue acquisition program and develop documentation
- Commence proof of concept activities to support the analyze/select phase
- Commence service life extension production activities

Funding History²¹

<i>FY</i>	<i>\$K</i>	<i>Major Activity Funded by Net Appropriation</i>
2018 ²²	\$2,500	Program management support and analyze/select phase activities
<i>Total</i>	\$2,500	<i>Funding received for FY 2018</i>

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements			\$2,500	\$25,000
Research and Development				
Project Funding			\$2,500	\$25,000
Obligations				
Expenditures				

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

ALC will be the integrator for the MH-60T program.

Significant Changes to Investment since Prior Year Enacted

No significant changes.

²¹ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

²² Reflects FY 2018 President's Budget request.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
N/A					
	FY 2018				
PMO Support/Service Life Extension Activities	FY18:Q1	FY21:Q3	FY18:Q1	FY26:Q4	\$2,500
	FY 2019				
PMO Support/Service Life Extension Activities	FY18:Q1	FY21:Q3	FY18:Q1	FY27:Q4	\$25,000

Small Unmanned Aircraft Systems – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

Small Unmanned Aircraft Systems (sUAS)

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Small Unmanned Aircraft Systems	N024-000006404	3	Procurement	Non-IT	Yes	-	\$500	\$6,000

PPA Level II Description

The sUAS is intended to address the National Security Cutter (NSC) requirement for a persistent airborne surveillance capability, and will serve as an information, surveillance, and reconnaissance (ISR), platform for the cutter. The FY 2019 President's Budget will continue to fund the development and installation of sUAS capability on the NSC, to include engineering analysis, non-recurring engineering, procurement and installation of sUAS components, and system testing and certification.

Justification

The sUAS will address the NSC's Key Performance Parameter (KPP) of daily flight time, which includes 12 hours of continuous unmanned flight operations.

FY 2017 Key Milestone Events

- Operated the sUAS prototype on CGC STRATTON for two deployments
- Initiated and completed the Operational Assessment Report
- Initiated and completed ship checks for the NSC
- Initiated drawing packages for the NSC fleet

FY 2018 Planned Key Milestone Events

- Release an RFP for sUAS for the NSC fleet
- Continue prototype evaluation to inform the acquisition - Execute Option Period One (1) on the NAVAIR Multiple Award Contract for two 105-day deployments
- Award contract to support sUAS for the NSC fleet

- Initiate the installation and System Operation Verification Testing (SOVT) of sUAS in the NSC fleet
- Initiate topside analysis for the NSC fleet
- Continue drawing packages for the NSC fleet

FY 2019 Planned Key Milestone Events

- Continue the installation and SOVT of sUAS in the NSC fleet
- Continue topside analysis for the NSC fleet
- Continue drawing packages for the NSC fleet

Funding History²³

<i>FY</i>	<i>\$K</i>	<i>Major Activity Associated with Appropriated Funding</i>
2015	\$6,300	sUAS A-Kit on first NSC and initial program funding
2016	\$12,000	Continue installation and testing of sUAS on NSC
2017	\$6,000	Continue sUAS A-Kit installations, contract for vendor hardware, services, and operational testing
2018 ²⁴	\$500	Program management
<i>Total</i>	<i>\$24,800</i>	<i>Funding received for FY 2015 through FY 2018</i>

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$6,000*	\$500	\$6,000
Research and Development				
Project Funding	\$18,300*	\$6,000*	\$500	\$6,000
Obligations	\$5,608*	\$1,427*		
Expenditures	\$453*	\$4,922*		

*Note: FY 2017 funding and prior was appropriated for sUAS within the NSC program.

²³ FY 2015 through FY 2017 funding received under National Security Cutter (NSC) PPA. Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

²⁴ Reflects 2018 President's Budget submission values.

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N00019-12-D-0011-0009	Insitu Inc.	FFP	06/2015	06/2015	12/2020	No	\$7,786

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
sUAS	FY15:Q3	FY16:Q4	FY17:Q3	FY18:Q2	\$6,000
	FY 2018				
sUAS	FY15:Q3	FY16:Q4	FY18:Q1	FY18:Q4	\$500
	FY 2019				
sUAS	FY15:Q3	FY16:Q4	FY19:Q1	FY23:Q4	\$6,000

*Other Acquisition Programs – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Other Equipment and Systems	\$8,055	\$4,000	\$3,500	(\$500)
Program Oversight and Management	\$20,000	\$15,000	\$20,000	\$5,000
C4ISR	\$24,300	\$22,000	\$23,300	\$1,300
Coast Guard Logistics Information Management System	\$7,000	\$9,800	\$13,200	\$3,400
Total	\$59,355	\$50,800	\$60,000	\$9,200
Discretionary - Appropriation	\$59,355	\$50,800	\$60,000	\$9,200

PPA Description

The Other Acquisition Programs PPA includes initial acquisition, development, construction, or improvement of any system, hardware, software or equipment costing over \$250,000, or \$10M total project cost. In FY 2019, funding will support continued progress on build-out of Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems, and CG-Logistics Information Management System (CG-LIMS). This PPA also provides funding for Program Oversight and Management (PO&M).

The Coast Guard leverages its C4ISR capability to effectively execute a broad mission set in an immensely challenging operating environment. Assets are able to receive, evaluate and act upon information obtained through the systems supported in this program. The C4ISR project provides standardized capability to major cutters and aircraft, facilitating interoperability and information sharing. The CG-LIMS project is replacing redundant and obsolete logistics systems with a single integrated IT system capable of providing enhanced configuration management, supply support, and improved financial accountability. PO&M is critical for oversight and efficient execution of Coast Guard's acquisition programs.

Other Acquisition Programs – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$59,355	\$50,800	\$60,000
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$44,607	\$43,244	\$13,127
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$103,962	\$94,044	\$73,127
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$103,962	\$94,044	\$73,127
Obligations (Actual/Projections/Estimates)	\$60,718	\$80,917	\$72,397
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

Other Acquisition Programs – PPA

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$59,355
FY 2018 President's Budget	-	-	\$50,800
FY 2019 Base Budget	-	-	-
C4ISR	-	-	\$23,300
Coast Guard Logistics Information Management System	-	-	\$13,200
Other Equipment and Systems	-	-	\$3,500
Program Oversight and Management	-	-	\$20,000
Total Investment Elements	-	-	\$60,000
FY 2019 Request	-	-	\$60,000
FY 2018 TO FY 2019 Change	-	-	\$9,200

Other Acquisition Programs – PPA**Non Pay Budget Exhibits****Non Pay by Object Class**

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$500	\$325	\$530	\$205
23.3 Communications, Utilities, and Misc. Charges	\$222	-	\$319	\$319
25.1 Advisory and Assistance Services	\$33,441	\$35,318	\$33,937	(\$1,381)
25.2 Other Services from Non-Federal Sources	\$5,141	\$3,650	\$14,650	\$11,000
25.3 Other Goods and Services from Federal Sources	\$11,606	\$7,391	\$6,830	(\$561)
26.0 Supplies and Materials	\$390	\$116	\$234	\$118
31.0 Equipment	\$8,055	\$4,000	\$3,500	(\$500)
Total - Non Pay Object Classes	\$59,355	\$50,800	\$60,000	\$9,200

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Other Equipment and Systems	\$8,055	\$4,000	\$3,500	(\$500)
Program Oversight and Management	\$20,000	\$15,000	\$20,000	\$5,000
C4ISR	\$24,300	\$22,000	\$23,300	\$1,300
Coast Guard Logistics Information Management System	\$7,000	\$9,800	\$13,200	\$3,400
Total – Non Pay Cost Drivers	\$59,355	\$50,800	\$60,000	\$9,200

NARRATIVE EXPLANATION OF CHANGES

Other Equipment and Systems: Funds the FY 2019 requirement for the procurement of end-use item equipment and systems to support a variety of Coast Guard missions.

Program Management and Oversight: Funds the FY 2019 requirement for activities associated with the transition of the Coast Guard's assets from acquisition to operations, including delivery, provision of logistics, training, and other services necessary to ensure seamless integration into the operational fleet.

C4ISR: Funds the FY 2019 requirement for the design, development, and information assurance posture of Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) integrated hardware and software systems on Coast Guard assets.

Coast Guard Logistics Information Management System (CG-LIMS): Funds the FY 2019 requirement for the development and delivery of the CG-LIMS, including continued configuration and phased deployment to Coast Guard operational assets and support facilities.

Other Acquisition Programs – PPA
Capital Investment Exhibits

Capital Investment

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
C4ISR	024-000006343	1	Procurement	IT	Yes	\$24,300	\$22,000	\$23,300
Coast Guard Logistics Information Management System	024-000006115	3	Procurement	IT	Yes	\$7,000	\$9,800	\$13,200
Program Oversight and Management	N/A	Non-Major	Procurement	Non-IT	No	\$20,000	\$15,000	\$20,000
Other Equipment and Systems	N/A	Non-Major	Procurement	Non-IT	No	\$8,055	\$4,000	\$3,500

Other Equipment and Systems – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

Other Equipment and Systems

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Other Equipment and Systems	N/A	Non-Major	Procurement	Non-IT	No	\$8,055	\$4,000	\$3,500

PPA Level II Description

This PPA and FY 2019 funds will support the replacement of end-use equipment that supports operations, including vessel travel lifts, specialized test equipment for depot maintenance, and specialized vehicles (e.g. hazmat and fire response, snow removal, road maintenance, and mobile cranes).

Justification

This investment funds the procurement of end-use item equipment and systems expected to cost in excess of \$250,000. These items support a variety of Coast Guard missions, including training simulators and equipment that is used to support the operation and maintenance of vessels, aircraft, and infrastructure.

FY 2017 Key Milestone Events

N/A

FY 2018 Planned Key Milestone Events

N/A

FY 2019 Planned Key Milestone Events

N/A

Procurement, Construction, and Improvements**Other Acquisition Programs - PPA****Overall Investment Funding**

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$8,055	\$4,000	\$3,500
Research and Development				
Project Funding		\$8,055	\$4,000	\$3,500
Obligations		\$43		
Expenditures		\$19		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
SCANTS Replacement	FY17:Q1	FY17:Q3	FY17:Q4	FY18:Q2	\$4,500
Other Equipment Acquisition			FY17:Q1	FY18:Q2	\$3,555
	FY 2018				
Other Equipment Acquisition			FY18:Q1	FY19:Q2	\$4,000
	FY 2019				
Other Equipment Acquisition			FY19:Q1	FY20:Q2	\$3,500

Program Oversight and Management - PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Program Oversight and Management

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Program Oversight and Management	N/A	Non-Major	Procurement	Non-IT	No	\$20,000	\$15,000	\$20,000

PPA Level II Description

This PPA provides funding for Program Oversight and Management (PO&M) activities associated with the transition of the Coast Guard's assets from acquisition to operations, including delivery, provision of logistics, training and other services necessary to ensure seamless integration into the operational fleet.

Justification

The following FY 2019 activities will be supported by PO&M funding:

PO&M Activity	Description
Senior Oversight	Computer support, project management site visits, management support priorities and supplies.
Contract Operations	Contracting Officer (KO) contract specialist support for Major System Acquisition projects, Defense Contract Management Agency (DCMA)/ Defense Contract Audit Agency (DCAA) support services.
Acquisition Workforce Management	Program training, strategic & tactical human capital support, Sustainment/Acquisition-Composite Model (SACOM) support for staff levels, program management & acquisition support.
Acquisition Support	Program management, systems engineering, and acquisition management support.
Strategic Planning & Communication	Strategic planning support, as required by the CG and DHS, communication management support, external coordination support, required reports and responses.
Testing and Evaluation	Execution of Surface; Aviation; Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR); and Logistics development and testing programs.

Procurement, Construction, and Improvements**Other Acquisition Programs - PPA**

PO&M Activity	Description
Resource Management	Acquisition Performance Management System (APMS) software licenses and maintenance support; capitalization & audit remediation support; internal controls support; and Life Cycle Cost Estimating (LCCE) support.
Acquisition Programs Oversight	Naval Sea Systems Command (NAVSEA) programmatic support, Naval Surface Warfare Center (NSWC) / NAVSEA direct-site support, program management support, and site visits.
Acquisition Programs – Aviation	Program management support to include administrative, business finance, accounting, risk management, schedule analysis, costs analysis, and site visits.
Acquisition Programs – Surface	Program management support to include administrative, business finance, accounting, risk management, schedule analysis, costs analysis, logistics support, and site visits.
Acquisition Programs – C4ISR	Program management support for program status control reporting, emerging issue resolution, cross domain issues, technical expertise, Integrated Product Team (IPT) support, Major System Acquisition project coordinator at Space and Naval Warfare Systems Command (SPAWAR), and site visits.
Acquisition Programs Logistics	Program management support for surface & air assets, technical documentation, performance management, and site visits.

FY 2017 Key Milestone Events

N/A

FY 2018 Planned Key Milestone Events

N/A

FY 2019 Planned Key Milestone Events

N/A

Funding History²⁵

<i>FY</i>	<i>\$K</i>	<i>Major Activity Funded by Net Appropriation</i>
2014 & Prior	\$453,028	Program Oversight and Management
2015	\$18,000	Program Oversight and Management
2016	\$20,000	Program Oversight and Management; R21 Completion
2017	\$20,000	Program Oversight and Management
2018 ²⁶	\$15,000	Program Oversight and Management
<i>Total</i>	<i>\$526,028</i>	<i>Funding received for FY 2002 through FY 2018</i>

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$20,000	\$15,000	\$20,000
Research and Development				
Project Funding	\$491,029	\$20,000	\$15,000	\$20,000
Obligations	\$473,585	\$22,207		
Expenditures	\$459,182	\$21,574		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

²⁵ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

²⁶ Reflects FY 2018 President's Budget request.

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Program Oversight and Management			FY17:Q1	FY21:Q4	\$20,000
	FY 2018				
Program Oversight and Management			FY18:Q1	FY22:Q4	\$15,000
	FY 2019				
Program Oversight and Management			FY19:Q1	FY23:Q4	\$20,000

C4ISR - PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

C4ISR

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
C4ISR	024-000006343	1	Procurement	IT	Yes	\$24,300	\$22,000	\$23,300

PPA Level II Description

This program integrates and funds the design, development, and information assurance posture of Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) Integrated hardware and software systems on National Security Cutters (NSC), Offshore Patrol Cutters (OPC), the Polar Icebreaker (PIB), Fast Response Cutters (FRC), Long Range Surveillance (LRS) aircraft, and Medium Range Surveillance (MRS) aircraft. These assets are using interoperable C4ISR system designs to optimize lifecycle costs and operational effectiveness.

Justification

Funding supports the following activities:

- Development, integration, and testing of Sea Commander (formerly Segment 2) major block upgrade on in-service NSCs to support new cybersecurity and capability requirements, and integration and testing for new production NSCs.
- Tailoring SEAWATCH for surface acquisition programs and legacy assets. Providing technical assistance for new acquisitions and in-service assets to ensure commonality.
- Technical assistance and engineering design management for the NSC, OPC, PIB, and 270-foot WMEC C4ISR and combat systems.
- Information Assurance (IA) / TEMPEST / Certification and Accreditation (C&A) expertise and documentation to newly acquired surface and aviation assets. New USCG assets must be delivered with Authority to Operate (ATO) through the Designated Approval Agency (DAA).
- The continued operation of C4ISR development labs and test & integration labs providing product suitability validation and proper network integration and readiness for platform acceptance and installation on surface assets.
- Necessary Diminishing Manufacturing Source (DMS) solutions for the test and integration labs and for assets in production.

Procurement, Construction, and Improvements

Other Acquisition Programs - PPA

- Logistics support providing analysis, development, and products to ensure operational capability and readiness of the C4ISR systems and interfaces, and their integration with USCG assets. This includes technical and training documentation, as well as the initial sparing analysis required to transition the C4ISR system baseline release to asset managers for platform installation, testing, and deployment.
- Engineering Change Proposals (ECPs) development includes software and systems engineering oversight, to accommodate capability upgrades and design modifications related to C4ISR while the asset is in production.
- Project execution support services for planning, development, engineering, configuration management, safety, and other required disciplines.

FY 2017 Key Milestone Events

Aviation assets

- Continued to coordinate and plan for obtaining ATO and TEMPEST certifications

Surface assets

- Completed back-fit Sea Commander (formerly Segment 2) suite on NSC 1 and 3
- Continued tailoring SEAWATCH for the OPC
- Began tailoring C4ISR and combat system elements for the OPC
- Assisted the NSC and OPC programs with C4ISR testing and implementing engineering changes
- Assisted FRC and NSC programs with achievement of ATO and conducted TEMPEST inspections

Labs

- Continued to operate verification labs to facilitate fielding of Sea Commander for new cutters

FY 2018 Planned Key Milestone Events

Aviation assets

- Continue to coordinate and plan for obtaining ATO and TEMPEST certifications

Surface assets

- Install Sea Commander suite at Training Center Petaluma
- Continue tailoring SEAWATCH for the OPC
- Begin tailoring SEAWATCH and C4ISR system elements for the PIB
- Continue tailoring C4ISR and combat system elements for the OPC
- Assist the NSC and OPC programs with C4ISR testing and implementing engineering changes
- Assist FRC and NSC programs with achievement of ATO and conducting TEMPEST inspections

Labs

- Continue to operate verification labs to facilitate fielding of Sea Commander for new cutters
- Continue to operate labs to facilitate major block upgrades on legacy assets and new capability design and development on surface assets

FY 2019 Planned Key Milestone Events*Aviation assets*

- Continue to coordinate and plan for obtaining ATO and TEMPEST certifications

Surface assets

- Continue tailoring SEAWATCH for the OPC
- Begin Post Delivery Availability integration and testing of Sea Commander on NSC 8
- Field the next block upgrade of Sea Commander, to include interoperability and cyber security upgrades
- Continue tailoring SEAWATCH and C4ISR system elements for the PIB
- Continue tailoring C4ISR and combat system elements for the OPC
- Assist the NSC, OPC, and 270' SLEP programs with C4ISR design, testing, and implementation of related engineering changes
- Assist FRC and NSC programs with achievement of ATO and conducting TEMPEST inspections

Labs

- Continue to operate verification labs to facilitate fielding of Sea Commander for new cutters
- Continue to operate labs to develop and test major block upgrades for the NSC combat system, to include interoperability and cyber security upgrades

Funding History²⁷

<i>FY</i>	<i>\$K</i>	<i>Major Activity Funded by Appropriation</i>
2014 & Prior	\$ 768,843	NSC, MPA/MSP Sea Commander (formerly Segment 2); Cutter Segment 5; FRC, OPC IA support
2015	\$ 36,300	NSC Sea Commander procurement; FRC, OPC IA support; OPC SEAWATCH tailoring
2016	\$ 36,600	NSC Sea Commander procurement, development, integration; FRC, OPC IA support; OPC SEAWATCH tailoring
2017	\$24,300	NSC Sea Commander development & integration on NSC 4; FRC, OPC IA support; OPC SEAWATCH tailoring
2018 ²⁸	\$22,000	NSC Sea Commander installation at Training Center; FRC, OPC, PIB support; OPC SEAWATCH tailoring; ECPs
<i>Total</i>	<i>\$ 888,043</i>	<i>Funding received for FY 2002 through FY 2018</i>

SEGMENT 1 developed a closed and complex C4ISR baseline for NSCs, HC-144As, and HC-130Js. Developed through the Integrated Coast Guard Systems (ICGS) contractor, this system is proprietary and does not allow the Coast Guard the ability to manage additional development outside of the prime contractor, nor does it provide an affordable means for software sustainment. Segment 1 is fully fielded.

²⁷ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

²⁸ Reflects FY 2018 President's Budget request.

SEGMENT 2 (now Sea Commander) began the transition of the proprietary system developed in Segment 1 towards an open architecture owned and controlled by the Coast Guard. It separated the Segment 1 design into modular, scalable, functional components with clear interfaces allowing the Coast Guard to manage changes and sustain the system separate from the prime contractor. Segment 2 (now Sea Commander) establishes a common baseline across the NSC, HC-144A, and HC-130J assets.

SEGMENT 5 (Upgrades to existing assets) - *In-Service Cutters*: 210ft and 270ft Medium Endurance Cutter (MEC); 378ft High Endurance Cutter (HEC); *Shore Facilities*: Communications Area Master Stations (CAMS); Training Center Petaluma; Communication Stations (COMMSTAs).

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$24,300	\$22,000	\$23,300
Research and Development				
Project Funding	\$841,743	\$24,300	\$22,000	\$23,300
Obligations	\$803,784	\$22,049		
Expenditures	\$766,765	\$28,821		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-17-C-AC4138	Lockheed Martin	CPFF	11/2016	11/2016	10/2021	No	\$9,000
HSCG23-17-C-AC4139	Lockheed Martin	T&M	11/2016	11/2016	01/2020	No	\$21,000

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Aviation Information Assurance			FY11:Q3	FY26:Q4	\$200
Sea Commander (Segment 2) Block B: NSC			FY12:Q1	FY19:Q4	\$20,900
New Asset Acquisition Support: OPC			FY14:Q1	FY26:Q4	\$2,500
New Asset Acquisition Support: FRC			FY09:Q1	FY26:Q4	\$700
	FY 2018				
Aviation Information Assurance			FY11:Q3	FY26:Q4	\$200
Sea Commander (Segment 2) Block B: NSC			FY12:Q1	FY19:Q4	\$18,000
New Asset Acquisition Support: OPC			FY14:Q1	FY26:Q4	\$2,500
New Asset Acquisition Support: FRC			FY09:Q1	FY26:Q4	\$500
New Asset Acquisition Support: PIB			FY18:Q1	FY26:Q4	\$800
	FY 2019				
Aviation Information Assurance			FY11:Q3	FY26:Q4	\$200
Sea Commander (Segment 2) Block B: NSC (through NSC 8)			FY12:Q1	FY19:Q4	\$17,550
New Asset Acquisition Support: OPC			FY14:Q1	FY26:Q4	\$3,500
New Asset Acquisition Support: FRC			FY09:Q1	FY26:Q4	\$500
New Asset Acquisition Support: PIB			FY18:Q1	FY26:Q4	\$1,100
New Asset Acquisition Support: NSC (NSC 9)			FY19:Q1	FY26:Q4	\$450

Coast Guard Logistics Information Management System – PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Coast Guard Logistics Information Management System (CG-LIMS)

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Coast Guard Logistics Information Management System	024-000006115	3	Procurement	IT	Yes	\$7,000	\$9,800	\$13,200

PPA Level II Description

This PPA supports the modernization and unification of the Coast Guard's logistics system. Funding continues the development and delivery of the Coast Guard Logistics Information Management System (CG-LIMS) configuration and phased deployment to Coast Guard operational assets and support facilities. Specifically, the funding continues to support configuration and testing of Segment 1 (Configuration Management and Maintenance Management), Segment 2 (Supply Chain Management) and Segment 3 (Technical Information Management) functionality and will also support the implementation of CG-LIMS for aircraft, surface, and shore facility product lines.

Justification

The CG-LIMS program:

- Directly supports the Coast Guard modernization goal of a unified logistics system that improves mission-readiness, operational effectiveness, and decision-making by enabling decision support at the enterprise and tactical level;
- Enables product line management by providing total asset visibility throughout the enterprise;
- Will be the tool through which all maintenance is managed and how the enterprise supply chain is driven;
- Will organize and manage all technical information relating to Coast Guard assets, including technical publications and manuals, drawings, maintenance procedures, and maintenance data in the system;
- Will tightly integrate and configure the components of configuration management, maintenance management, supply chain management, and technical information management to allow efficient execution of a standardized business process.

CG-LIMS is planned for phased implementation by segments, as follows:

Segment	Functionality That Will Be Provided
1	Configuration Management and Maintenance Management (CM and MM)
2	Supply Chain Management (SCM)
3	Technical Information Management (TIM)

FY 2017 Key Milestone Events

- Continued development of Segments 1 CM/MM, 2 SCM, and 3 TIM
- Continued development of interface and integration with Coast Guard Financial Systems
- Continued CG-LIMS deployment to operational units

FY 2018 Planned Key Milestone Events

- Continue development of Segments 1 CM/MM and 2 SCM
- Complete development of Segment 3 TIM
- Continue and re-plan development and testing of interfaces and integration with Coast Guard Financial Systems
- Continue CG-LIMS deployment to operational units

FY 2019 Planned Key Milestone Events

- Continue development of Segments 1 CM/MM and 2 SCM
- Continue development and testing of interfaces and integration with Coast Guard Financial Systems
- Continue CG-LIMS deployment to operational units

Funding History²⁹

<i>FY</i>	<i>\$K</i>	<i>Major Activity Funded by Net Appropriation</i>
2014 & Prior	\$28,469	CG-LIMS Configuration and testing of Segments 1-3 functionality; implementation of Segments 1-3 functionality to USCG operational units
2015	\$5,000	CG-LIMS Configuration and testing of Segments 1-3 functionality; implementation of Segments 1-3 functionality to USCG operational units; initiate development of interface with financial management system.
2016	\$8,500	CG-LIMS Configuration and testing of Segments 1-3 functionality; implementation of Segments 1-3 functionality to USCG operational units; continue development of interfaces and integration with USCG Financial Systems.
2017	\$7,000	CG-LIMS Configuration and testing of Segments 1-3 functionality; implementation of Segments 1-3 functionality to USCG operational units; continue development of interfaces and integration with USCG Financial Systems
2018 ³⁰	\$9,800	CG-LIMS Configuration and testing of Segments 1-3 functionality; implementation of Segments 1-3 functionality to USCG operational units; continue development of interfaces and integration with USCG Financial Systems
<i>Total</i>	<i>\$58,769</i>	<i>Funding received for FY 2008 through FY 2018</i>

Overall Investment Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$7,000	\$9,800	\$13,200
Research and Development				
Project Funding	\$41,969	\$7,000	\$9,800	\$13,200
Obligations	\$39,932	\$6,220		
Expenditures	\$35,802	\$6,284		

²⁹ Table reflects net funding, appropriations received (+/-) reprogrammings and less rescissions, in FY 2016 and prior, and enacted funding levels in FY 2017.

³⁰ Reflects FY 2018 President's Budget request.

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
HSCG23-16-F-ADL002	Mythics	FFP	03/2016	03/2016	03/2018	No	\$9,863
HSCG23-16-J-ADL003	ISHPI Information Technologies	FFP	08/2016	08/2016	06/2018	No	\$2,030

Significant Changes to Investment since Prior Year Enacted

No significant changes.

PPA Level II Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
CG-LIMS Development			FY08:Q2	FY22:Q4	\$7,000
	FY 2018				
CG-LIMS Development			FY08:Q2	FY22:Q4	\$9,800
	FY 2019				
CG-LIMS Development			FY08:Q2	FY22:Q4	\$13,200

*Shore Facilities and Aids to Navigation (ATON) – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Major Shore, Housing, ATON, Survey and Design	\$44,519	\$10,000	\$30,000	\$20,000
Major Acquisition Systems Infrastructure	\$50,000	\$60,000	\$100,000	\$40,000
Minor Shore	\$5,000	\$5,000	\$5,000	-
Total	\$99,519	\$75,000	\$135,000	\$60,000
Discretionary - Appropriation	\$99,519	\$75,000	\$135,000	\$60,000

PPA Description

The Shore Facilities and Aids to Navigation (ATON) PPA supports survey and design, and provides for the recapitalization, construction, rebuilding, and improvement of the Coast Guard's shore facilities, military housing, ATON and related equipment. Shore facilities support all Coast Guard operations and address the shore-side needs of the service's operational communities. This funding also provides infrastructure upgrades to homeport new assets and will ensure these facilities are fully functional and ready prior to arrival of new assets.

Shore Facilities and Aids to Navigation – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$99,519	\$75,000	\$135,000
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$194,006	\$233,025	\$231,241
Rescissions to Current Year/Budget Year	(\$1,800)	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$291,725	\$308,025	\$366,241
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$291,725	\$308,025	\$366,241
Obligations (Actual/Projections/Estimates)	\$58,226	\$76,784	\$214,913
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

Shore Facilities and Aids to Navigation – PPA

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$99,519
FY 2018 President's Budget	-	-	\$75,000
FY 2019 Base Budget	-	-	-
Major Acquisition Systems Infrastructure	-	-	\$100,000
Major Shore, Housing, ATON, Survey and Design	-	-	\$30,000
Minor Shore	-	-	\$5,000
Total Investment Elements	-	-	\$135,000
FY 2019 Request	-	-	\$135,000
FY 2018 TO FY 2019 Change	-	-	\$60,000

Shore Facilities and Aids to Navigation – PPA**Non Pay Budget Exhibits****Non Pay by Object Class**

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$892	\$15	\$845	\$830
23.3 Communications, Utilities, and Misc. Charges	-	\$25	-	(\$25)
25.1 Advisory and Assistance Services	\$12,437	-	\$6,025	\$6,025
25.2 Other Services from Non-Federal Sources	\$822	\$25	-	(\$25)
25.3 Other Goods and Services from Federal Sources	-	\$2,650	-	(\$2,650)
31.0 Equipment	\$771	-	-	-
32.0 Land and Structures	\$84,597	\$72,285	\$128,130	\$55,845
Total - Non Pay Object Classes	\$99,519	\$75,000	\$135,000	\$60,000

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Major Shore, Housing, ATON, Survey and Design	\$44,519	\$10,000	\$30,000	\$20,000
Major Acquisition Systems Infrastructure	\$50,000	\$60,000	\$100,000	\$40,000
Minor Shore	\$5,000	\$5,000	\$5,000	-
Total – Non Pay Cost Drivers	\$99,519	\$75,000	\$135,000	\$60,000

NARRATIVE EXPLANATION OF CHANGES

Major Shore, Housing, ATON, Survey and Design: Funds the FY 2019 requirement for major PC&I shore facility and housing construction, replacement, upgrade or improvement projects, and survey and design required for future year PC&I shore projects.

Major Acquisition Systems Infrastructure: Funds the FY 2019 requirement for shore facility infrastructure modifications, upgrades, and new construction associated with homeporting new or modified cutters, boats, and aircraft.

Minor Shore: Funds the FY 2019 requirement for minor shore facility construction projects.

Shore Facilities and Aids to Navigation – PPA
Capital Investment Exhibits

Capital Investment

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Major Acquisition Systems Infrastructure	N/A	Non-Major	Construction	Non-IT	No	\$50,000	\$60,000	\$100,000
Major Shore, Housing, ATON, Survey and Design	N/A	Non-Major	Construction	Non-IT	No	\$44,519	\$10,000	\$30,000
Minor Shore	N/A	Non-Major	Construction	Non-IT	No	\$5,000	\$5,000	\$5,000

Major Shore, Housing, ATON, Survey and Design – PPA Level II Capital Investment Exhibits

Construction

Major Shore, Housing, ATON, Survey and Design

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Major Shore, Housing, ATON, Survey and Design	N/A	Non-Major	Construction	Non-IT	No	\$44,519	\$10,000	\$30,000

Construction Description

This PPA includes major PC&I shore facility and housing construction, replacement, upgrade or improvement projects, and survey and design required for future year PC&I shore projects. Funding in FY 2019 supports the following facility and infrastructure construction, replacement, upgrade and/or improvement projects:

- Renovate Chase Hall Annex C – USCG Academy, CT. Project continues efforts to renovate and modernize Chase Hall Barracks to include improving habitability, correcting and improving utility services and ensuring compliance with fire and life-safety standards. This project corrects several life-safety issues and addresses the highest habitability and building envelope/maintenance requirements to extend the building's service life.
- Wailupe Housing Complex, HI. Project includes site work and construction of a new residential duplex to replace one recently destroyed by a fire that is beyond repair. The new duplex will support two military families and be in compliance with the latest fire and safety standards while being congruent to the existing architecture of the site.
- Provide Shore Infrastructure Survey and Design. Activities support the shore infrastructure planning process by funding engineering studies and analyses, master plans, NEPA/Environmental studies, soil classification, real property and land acquisition. Also included are project development concepts including waterfront studies, design initiatives, and rough order of magnitude estimates. The projects supported by these efforts contribute to mission support and sustainment of front-line units.

Justification

This funding supports Coast Guard shore facility infrastructure, which includes recapitalizations, modifications, upgrades, and new construction associated with execution of Coast Guard operations by cutters, boats, and aircraft, as well as shore forces, command and control, logistics, training, and personnel support. The FY 2019 Budget provides necessary investment to address the Coast Guard's highest priority shore plant requirements.

Overall Construction Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$44,519	\$10,000	\$30,000
Research and Development				
Project Funding	\$179,580	\$44,519	\$10,000	\$30,000
Obligations	\$31,000	\$18,524		
Expenditures	\$12,839	\$25,281		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

Significant Changes to Construction since Prior Year Enacted

No significant changes.

Construction Schedule

Description	Design Work		Project Work		Estimated Cost ³¹
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Water Main Replacement – Petaluma, CA			FY17:Q1	FY20:Q4	\$11,414
Airfield Apron and Taxiways – Elizabeth City, NC			FY17:Q1	FY20:Q4	\$13,000
Aids to Navigation Projects			FY17:Q1	FY20:Q4	\$4,600
Hurricane Matthew Repairs			FY17:Q1	FY20:Q4	\$15,005
Survey and Design			FY17:Q1	FY20:Q4	\$500
	FY 2018				
Station Vallejo Facilities – Vallejo, CA			FY18:Q1	FY21:Q4	\$5,200
Runway Lighting – Elizabeth City, NC			FY18:Q1	FY21:Q4	\$4,000
Aids to Navigation Projects			FY18:Q1	FY21:Q4	\$300
Survey and Design			FY18:Q1	FY21:Q4	\$500
	FY 2019				
Coast Guard Academy Barracks – New London, CT			FY19:Q1	FY22:Q4	\$25,000
Family Housing – Wailupe, HI			FY19:Q1	FY22:Q4	\$2,000
Survey and Design			FY19:Q1	FY22:Q4	\$3,000

³¹ Costs are estimated and adjustments between projects may be necessary as costs are refined.

Major Acquisition Systems Infrastructure – PPA Level II Capital Investment Exhibits

Construction

Major Acquisition Systems Infrastructure (MASI)

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Major Acquisition Systems Infrastructure	N/A	Non-Major	Construction	Non-IT	No	\$50,000	\$60,000	\$100,000

Construction Description

This program supports shore facility infrastructure modifications, upgrades, and new construction associated with homeporting new or modified cutters, boats, and aircraft. Funding in FY 2019 completes the following facility upgrades and infrastructure improvements:

- Waterfront, shore-side facility, utilities, and associated base infrastructure improvements to support the OPC homeport at San Pedro, CA. The homeport will accommodate a total of two OPCs. The funding will support the design and construction of homeport facility additions, improvements, and renovations; provides improvements such as electrical and shore-tie upgrades; dredging to accommodate deeper drafts where necessary; structural improvements to the piers and wharfs to accommodate larger loads; relocation and/or incorporation of existing operational and support functions, both waterfront and shore side, for proximity and constructability, shore side facilities for storage, maintenance, and other in-port activities associated with the arrival of the new OPCs. San Pedro is essential to the overall operational force lay-down and needs to be modified in order to accommodate the OPCs. FY 2019 funding provides facilities to meet asset delivery schedules and threshold facilities requirements based on OPC dimensions, shore-tie requirements, operational needs, crewing status, and maintenance schedules.
- Continue funding improvements to support the OPC Homeport at Kodiak, AK. The homeport will accommodate a total of two OPCs. The funding will support waterfront improvements to include structural improvements to the piers and wharfs to accommodate larger loads, cleats, bollards, fenders, electrical, and shore-tie upgrades needed for the cutter moorings, and relocation and/or incorporation of existing operational and support functions. Kodiak is essential to the overall operational force lay-down and needs to be modified in order to accommodate the OPCs. FY 2019 funding provides facilities to meet asset delivery schedules and threshold facilities requirements based on OPC dimensions, shore-tie requirements, operational needs, crewing status, and maintenance schedules.

- Waterfront, shore-side support facility, and utilities improvements to support homeporting an additional NSC at Charleston, SC. FY 2019 funding will support the design and construction of shore-side facility improvements and renovations for storage and maintenance functions; and provides waterfront improvements such as cleats, bollards, fenders, electrical and shore-tie upgrades needed to moor an additional NSC. The location in Charleston is essential to the overall operational force lay-down and needs to be modified in order to accommodate the additional NSC. This funding provides facilities to meet asset delivery schedule and threshold facilities requirements based on NSC dimensions, shore-tie requirements, operational needs, crewing status, and maintenance schedules.
- Air Station improvements and modifications to support the siting of HC-130Js at Air Station Barbers Point, HI. FY 2019 funding will support the design and construction of hangar improvements and modifications, Liquid Oxygen support infrastructure, relocation and/or incorporation of existing operational and support functions for proximity and constructability; facilities for aircraft specific parts and supplies; work spaces for additional personnel assigned with the aircraft; facilities improvements necessary for safe and efficient maintenance of the aircraft, and other activities associated with the arrival for the new HC-130J aircraft. This location is essential to the overall operational force laydown and needs to be modified in order to accommodate the HC-130J aircraft. The FY 2019 Budget provides facilities to meet asset delivery schedules and threshold facilities requirements based on the HC-130J dimensions, electrical requirements, operational needs, crewing status, and maintenance schedules.
- Provide program support and engineering, environmental, and feasibility studies and analyses for future-year facilities projects covered under this acquisition program. FY 2019 funding is necessary to establish a 5-year window of planning documents in order to properly budget for force location decisions in association with future asset deliveries; more effectively integrate siting decisions for different classes of cutters and aircraft over the long-term planning horizon; and cover any support contracts necessary to maintain the day-to-day functions, oversight, support, and management of this appropriation.

Justification

This program supports shore facility infrastructure modifications, upgrades, and new construction associated with homeporting new or modified cutters, boats, and aircraft. The program also supports infrastructure modifications, upgrades, and new construction to provide logistics, maintenance, and training support for new or modified cutters, boats, and aircraft.

Overall Construction Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$50,000	\$60,000	\$100,000
Research and Development				
Project Funding	\$507,426	\$50,000	\$60,000	\$100,000
Obligations	\$462,818	\$36,003		
Expenditures	\$432,683	\$11,850		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

All Major Acquisition Systems Infrastructure (MASI) projects are executed by the Coast Guard with technical oversight provided by the Shore Infrastructure Logistics Center, the Facilities Design and Construction Center, and Civil Engineering Units located around the United States. Each project is contracted to a construction contractor for execution.

Significant Changes to Construction since Prior Year Enacted

No significant changes.

Construction Schedule

Description	Design Work		Project Work		Estimated Cost ³²
	Initiated	Completed	Initiated	Completed	
	FY 2017				
OPC Homeport – Kodiak, AK			FY17:Q1	FY21:Q4	\$22,000
FRC Homeport – Galveston, TX			FY17:Q1	FY21:Q4	\$15,000
LRS Air Station Facility Upgrade – Kodiak, AK			FY17:Q1	FY21:Q4	\$10,000
MRS Air Station Facility Upgrade – Clearwater, FL			FY17:Q1	FY21:Q4	\$1,500
Engineering/Environmental Studies			FY17:Q1	FY21:Q4	\$1,500
	FY 2018				
FRC Homeport – Astoria, OR			FY18:Q1	FY22:Q4	\$30,000
FRC Homeport – Santa Rita, Guam			FY18:Q1	FY22:Q4	\$28,000
Engineering/Environmental Studies			FY18:Q1	FY22:Q4	\$2,000
	FY 2019				
OPC Homeport – Kodiak, AK			FY19:Q1	FY23:Q4	\$38,000
OPC Homeport – San Pedro, CA			FY19:Q1	FY23:Q4	\$30,000
NSC Homeport – Charleston, SC			FY19:Q1	FY23:Q4	\$23,000
LRS Air Station Facility Upgrade – Barbers Point, HI			FY19:Q1	FY23:Q4	\$7,000
Engineering/Environmental Studies			FY19:Q1	FY23:Q4	\$2,000

³² Costs are estimated and adjustments between projects may be necessary as costs are refined.

**Minor Shore – PPA Level II
Capital Investment Exhibits**

Construction**Minor Shore****Procurement, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget
Minor Shore	N/A	Non-Major	Construction	Non-IT	No	\$5,000	\$5,000	\$5,000

Construction Description

FY 2019 funds will be used to complete minor projects that have cost estimates which exceed the construction authority provided in the O&S appropriation. For example, this may include:

- Emergency repairs with cost estimates greater than 50 percent of replacement value;
- Minor facility improvements, which cost more than one million dollars, that are needed to adapt to changing/increasing missions.

Justification

The FY 2019 Budget provides funds to complete minor PC&I shore facility construction projects. These projects are typically less complex and require less advance planning than major shore projects.

Overall Construction Funding

	Prior Years	FY 2017	FY 2018	FY 2019
Operations Expenses				
Procurement, Construction, and Improvements		\$5,000	\$5,000	\$5,000
Research and Development				
Project Funding	\$51,896	\$5,000	\$5,000	\$5,000
Obligations	\$49,537	\$3,653		
Expenditures	\$48,698	\$2,420		

Contract Information (Current/Execution Year, Budget Year)

Contract Number	Contractor	Type	Award Date (mo/yr)	Start Date (mo/yr)	End Date (mo/yr)	EVM in Contract	Total Value
N/A							

Significant Changes to Construction since Prior Year Enacted

No significant changes.

Construction Schedule

Description	Design Work		Project Work		Estimated Cost
	Initiated	Completed	Initiated	Completed	
	FY 2017				
Minor AC&I Shore Construction	FY17:Q3	FY18:Q2	FY18:Q4	FY19:Q4	\$5,000
	FY 2018				
Minor AC&I Shore Construction	FY18:Q1	FY18:Q4	FY19:Q1	FY20:Q4	\$5,000
	FY 2019				
Minor AC&I Shore Construction	FY19:Q1	FY19:Q4	FY20:Q1	FY21:Q4	\$5,000

*Personnel and Related Support Costs – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Personnel and Related Support Costs	914	897	\$115,933	914	835	\$118,245	-	-	-	(914)	(835)	(\$118,245)
Total	914	897	\$115,933	914	835	\$118,245	-	-	-	(914)	(835)	(\$118,245)
Subtotal Discretionary - Appropriation	914	897	\$115,933	914	835	\$118,245	-	-	-	(914)	(835)	(\$118,245)

PPA Description

The Personnel and Related Support Costs PPA previously funded personnel compensation, benefits, and related costs for FTE who perform work on projects funded by the PC&I appropriation. Coast Guard acquisition programs rely on an appropriate level of government acquisition professionals with the competencies and capacity to manage acquisitions in accordance with USCG and DHS policies, while meeting various requirements established in the Chief Financial Officer Act, Clinger-Cohen Act, DHS certification level requirements, and OMB Circular A-76.

The Coast Guard is transitioning to the DHS CAS in FY 2019. Accordingly, funding for acquisition personnel is provided through the Service's O&S appropriation in the FY 2019 President's Budget.

Personnel and Related Support Costs – PPA
Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$115,933	\$118,245	-
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$310	-	-
Rescissions to Current Year/Budget Year	(\$310)	-	-
Net Sequestered Resources	-	-	-
Supplementals	\$3,200	-	-
Total Budget Authority	\$119,133	\$118,245	-
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$119,133	\$118,245	-
Obligations (Actual/Projections/Estimates)	\$118,277	\$118,245	-
Personnel: Positions and FTE			
Enacted/Request Positions	914	914	-
Enacted/Request FTE	897	835	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	803	914	-
FTE (Actual/Estimates/Projections)	791	835	-

Personnel and Related Support Costs – PPA
Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	914	897	\$115,933
FY 2018 President's Budget	914	835	\$118,245
FY 2019 Base Budget	914	835	\$118,245
Transfer to Operations and Support	(914)	(835)	(\$118,245)
Total Transfers	(914)	(835)	(\$118,245)
Total Adjustments-to-Base	(914)	(835)	(\$118,245)
FY 2019 Request	-	-	-
FY 2018 TO FY 2019 Change	(914)	(835)	(\$118,245)

Transfer to Operations and Support (\$118,245): Transfers FY 2018 base funding from the PC&I to the O&S appropriation as part of the Coast Guard's transition to the DHS CAS in FY 2019.

Personnel and Related Support Costs - PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Personnel and Related Support Costs	914	897	\$105,831	\$117.84	914	835	\$108,074	\$128.99	-	-	-	-	(914)	(835)	(\$108,074)	(\$128.99)
Total	914	897	\$105,831	\$117.84	914	835	\$108,074	\$128.99	-	-	-	-	(914)	(835)	(\$108,074)	(\$128.99)
Discretionary - Appropriation	914	897	\$105,831	\$117.84	914	835	\$108,074	\$128.99	-	-	-	-	(914)	(835)	(\$108,074)	(\$128.99)

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$48,221	\$47,430	-	(\$47,430)
11.3 Other than Full-Time Permanent	\$196	\$105	-	(\$105)
11.5 Other Personnel Compensation	\$934	\$632	-	(\$632)
11.6 Military Personnel-Basic Allowance for Housing	\$10,401	\$11,467	-	(\$11,467)
11.7 Military Personnel	\$28,916	\$30,440	-	(\$30,440)
11.8 Special Personal Services Payments	\$91	\$198	-	(\$198)
12.1 Civilian Personnel Benefits	\$14,515	\$14,292	-	(\$14,292)
12.2 Military Personnel Benefits	\$2,518	\$3,340	-	(\$3,340)
13.0 Benefits for Former Personnel	\$39	\$170	-	(\$170)
Total - Personnel Compensation and Benefits	\$105,831	\$108,074	-	(\$108,074)
Positions and FTE				
Positions - Civilian	490	490	-	(490)
FTE - Civilian	473	431	-	(431)
Positions - Military	424	424	-	(424)
FTE - Military	424	404	-	(404)

Personnel and Related Support Costs – PPA**Non Pay Budget Exhibits****Non Pay by Object Class**

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$577	\$668	-	(\$668)
22.0 Transportation of Things	\$576	\$666	-	(\$666)
23.2 Rental Payments to Others	-	\$121	-	(\$121)
23.3 Communications, Utilities, and Misc. Charges	\$426	\$358	-	(\$358)
25.2 Other Services from Non-Federal Sources	\$1,006	\$521	-	(\$521)
25.3 Other Goods and Services from Federal Sources	\$325	\$228	-	(\$228)
25.6 Medical Care	\$2,653	\$2,552	-	(\$2,552)
25.7 Operation and Maintenance of Equipment	\$450	\$523	-	(\$523)
26.0 Supplies and Materials	\$3,352	\$3,884	-	(\$3,884)
31.0 Equipment	\$380	\$311	-	(\$311)
42.0 Insurance Claims and Indemnities	\$357	\$339	-	(\$339)
Total - Non Pay Object Classes	\$10,102	\$10,171	-	(\$10,171)

Department of Homeland Security

U.S. Coast Guard

Research and Development



**Fiscal Year 2019
Congressional Justification**

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Research and Development

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Research and Development	96	96	\$36,319	96	83	\$18,641	96	83	\$19,109	-	-	\$468
Total	96	96	\$36,319	96	83	\$18,641	96	83	\$19,109	-	-	\$468
Subtotal Discretionary - Appropriation	96	96	\$36,319	96	83	\$18,641	96	83	\$19,109	-	-	\$468

Overview

The U.S. Coast Guard's Research and Development (R&D) appropriation sustains critical mission capabilities through applied research, development, testing, and evaluation (RDT&E) programs. Several R&D programs include partnerships with the Department of Homeland Security (DHS), the Department of Defense (DOD), and other Federal and private research organizations.

The R&D program is comprised of the Office of RDT&E at Coast Guard Headquarters in Washington, D.C. and the Research and Development Center (RDC) at New London, Connecticut. The RDC is the Coast Guard's sole facility performing applied R&D experimentation and demonstrations. R&D activities sustain program infrastructure and core capabilities, knowledge, skills, experience, and facilities to give the Coast Guard a strong evidence-based foundation for operational and capital investment decision-making. These activities include formulation and oversight of cooperative agreements with relevant professionals in the public and private sectors, such as University Affiliated Research Centers (UARC) and Federally Funded Research & Development Centers (FFRDC). The cooperative agreements promote collaboration and leverage expertise and the development of techniques, methods, hardware, and systems that directly contribute to increasing productivity and effectiveness of Coast Guard missions.

The FY 2019 Budget includes necessary resources to develop technologies and systems that improve operational presence and response, as well as perform technology assessments to inform the early stages of the acquisition process. Of the funding, \$0.5M is derived from the Oil Spill Liability Trust Fund as authorized by the Oil Pollution Act of 1990 (33 USC § 2701-2761).

The Coast Guard is transitioning to the DHS Common Appropriations Structure in FY 2019. Accordingly, activities funded through the previous RDT&E appropriation are now funded through the new R&D appropriation.

Research and Development Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$36,319	\$18,641	\$19,109
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$1,883	\$18,772	\$1,293
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$38,202	\$37,413	\$20,402
Collections – Reimbursable Resources	\$6,000	\$6,000	\$3,900
Total Budget Resources	\$44,202	\$43,413	\$24,302
Obligations (Actual/Projections/Estimates)	\$19,279	\$36,120	\$19,908
Personnel: Positions and FTE			
Enacted/Request Positions	96	96	96
Enacted/Request FTE	96	83	83
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	87	96	96
FTE (Actual/Estimates/Projections)	81	83	83

Research and Development Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>		FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Defense - Navy, Marine Corps	Source	-	-	\$100	-	-	\$50	-	-	-
Department of Defense - Army	Source	-	-	\$200	-	-	-	-	-	-
Department of Homeland Security - Department of Homeland Security	Source	-	-	\$3,000	-	-	\$2,500	-	-	-
Independent Agency - Other Independent Agencies	Source	-	-	\$679	-	-	\$1,200	-	-	\$500
Department of Homeland Security - Science and Technology	Source	-	-	-	-	-	-	-	-	\$1,500
Independent Agency - Environmental Protection Agency	Source	-	-	\$1,271	-	-	\$1,500	-	-	\$1,200
Department of Homeland Security - U.S. Customs and Border Protection	Source	-	-	-	-	-	-	-	-	\$500
Department of Interior - Bureau of Safety and Environmental Enforcement	Source	-	-	\$750	-	-	\$750	-	-	\$200
Total Collections		-	-	\$6,000	-	-	\$6,000	-	-	\$3,900

Research and Development Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	96	96	\$36,319
FY 2018 President's Budget	96	83	\$18,641
FY 2019 Base Budget	96	83	\$18,641
Annualization of 2018 Military and Civilian Pay Raise	-	-	\$59
2018 NDAA Military Pay Raise Adjustment	-	-	\$4
2019 Military Pay Raise	-	-	\$28
2019 Military Allowances	-	-	\$24
2019 Civilian Allowances	-	-	\$36
GSA Rent	-	-	\$10
Unfunded GSA rent from prior years	-	-	\$307
Total, Pricing Increases	-	-	\$468
Total Adjustments-to-Base	-	-	\$468
FY 2019 Current Services	96	83	\$19,109
FY 2019 Request	96	83	\$19,109
FY 2018 TO FY 2019 Change	-	-	\$468

Research and Development Justification of Pricing Changes

Pricing Changes (Dollars in Thousands)	FY 2019 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Annualization of 2018 Military and Civilian Pay Raise	-	-	\$59
Pricing Change 2 - 2018 NDAA Military Pay Raise Adjustment	-	-	\$4
Pricing Change 3 - 2019 Military Pay Raise	-	-	\$28
Pricing Change 4 - 2019 Military Allowances	-	-	\$24
Pricing Change 5 - 2019 Civilian Allowances	-	-	\$36
Pricing Change 6 - GSA Rent	-	-	\$10
Pricing Change 7 - Unfunded GSA rent from prior years	-	-	\$307
Total Pricing Changes	-	-	\$468

Pricing Change 1 – Annualization of 2018 Military and Civilian Pay Raise (\$0.06M): Provides one quarter of funding to annualize the 2018 military (2.1 percent) and civilian (1.9 percent) pay raises included in the FY 2018 President’s Budget.

Pricing Change 2 – 2018 NDAA Military Pay Raise Adjustment (\$0.004M): Provides funding to account for the 2018 military (2.4 percent) pay raise included in the 2018 National Defense Authorization Act (NDAA).

Pricing Change 3 – 2019 Military Pay Raise (\$0.03M): Provides three quarters of funding for the 2019 military (2.6 percent) pay raise.

Pricing Change 4 – 2019 Military Allowances (\$0.02M): Provides funding to maintain current services and ensure parity of military pay, allowances, and health care with DOD. Additional funding addresses Basic Allowance for Housing (BAH) changes scheduled to take effect on January 1, 2019. Health care costs are forecasted using actuarial projections and include funding for Coast Guard clinics, TRICARE, pharmaceuticals, use of DOD military treatment facilities, and Public Health Service physicians serving at Coast Guard medical facilities. Permanent Change of Station costs are based on workforce accession, assignment, and retirement projections, and the respective change of station costs.

Pricing Change 5 – 2019 Civilian Allowances (\$0.04M): Provides funding for required government contributions to Federal Employee Government Life Insurance (FEGLI), Federal Employee Health Benefits (FEHB), and Thrift Savings Plan (TSP).

Pricing Change 6 – GSA Rent (\$0.01M): Provides funding for rent cost increases at the building occupied by the Research and Development Center in New London, Connecticut, which is leased through General Services Administration (GSA).

Pricing Change 7 – Unfunded GSA Rent from Prior Years (\$0.3M): Provides funding for prior year unfunded rent cost increases at the GSA-leased building occupied by the Research and Development Center in New London.

Research and Development Personnel Compensation and Benefits

Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Research and Development	96	96	\$11,296	\$117.6	96	83	\$12,136	\$146.04	96	83	\$12,287	\$147.96	-	-	\$151	\$1.92
Total	96	96	\$11,296	\$117.6	96	83	\$12,136	\$146.04	96	83	\$12,287	\$147.96	-	-	\$151	\$1.92
Discretionary - Appropriation	96	96	\$11,296	\$117.6	96	83	\$12,136	\$146.04	96	83	\$12,287	\$147.96	-	-	\$151	\$1.92

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$7,061	\$7,655	\$7,607	(\$48)
11.3 Other than Full-Time Permanent	\$178	\$156	\$192	\$36
11.5 Other Personnel Compensation	\$133	\$97	\$144	\$47
11.6 Military Personnel-Basic Allowance for Housing	\$407	\$417	\$449	\$32
11.7 Military Personnel	\$1,211	\$1,303	\$1,359	\$56
11.8 Special Personal Services Payments	\$4	\$8	\$4	(\$4)
12.1 Civilian Personnel Benefits	\$2,199	\$2,364	\$2,417	\$53
12.2 Military Personnel Benefits	\$101	\$129	\$113	(\$16)
13.0 Benefits for Former Personnel	\$2	\$7	\$2	(\$5)
Total - Personnel Compensation and Benefits	\$11,296	\$12,136	\$12,287	\$151
Positions and FTE				
Positions - Civilian	79	79	79	-
FTE - Civilian	79	68	68	-
Positions - Military	17	17	17	-
FTE - Military	17	15	15	-

Pay Cost Drivers

Leading Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted ¹			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Total	65	\$9,571	\$147.25	68	\$10,272	\$151.06	68	\$10,360	\$152.35	-	\$88	\$1.29
Military Total	16	\$1,725	\$107.81	15	\$1,864	\$124.27	15	\$1,927	\$128.47	-	\$63	\$4.20
Total - Pay Cost Drivers	81	\$11,296	-	83	\$12,136	-	83	\$12,287	-	-	\$151	-

¹ FY 2017 Enacted reflects actual FTE and pay amounts.

NARRATIVE EXPLANATION OF CHANGES

FTE Change FY 2018-2019: None.

PC&B Change FY 2018-2019: The change includes funding to annualize the 2018 military pay raise of 2.4 percent and civilian pay raise of 1.9 percent and funding for the 2019 military pay raise of 2.6 percent. Also impacting the change are increases for military benefits and allowances and civilian benefits, including required government contributions to FEGLI, FEHB, and TSP.

Average Cost Change FY 2018-2019: The average cost change is due to the increased personnel costs related to the pay raise and personnel benefits and allowances that impact all FTE.

Bonuses and Performance Awards: The FY 2019 Budget estimates \$113K for bonuses and performance awards.

Research and Development Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
GS-15	3	3	3	-
GS-14	16	16	16	-
GS-13	31	31	31	-
GS-12	22	22	22	-
GS-11	1	1	1	-
GS-9	1	1	1	-
GS-8	1	1	1	-
GS-7	2	2	2	-
GS-6	1	1	1	-
GS-5	1	1	1	-
O-6	2	2	2	-
O-5	1	1	1	-
O-4	3	3	3	-
O-3	7	7	7	-
E-6	2	2	2	-
E-4	1	1	1	-
E-3	1	1	1	-
Total Permanent Positions	96	96	96	-
Unfilled Positions EOY	8	7	-	-7
Total Perm. Employment (Filled Positions) EOY	71	72	79	7
Position Locations				
Headquarters	5	5	5	-
U.S. Field	74	74	74	-
Headquarters Military	2	2	2	-
U.S. Field Military	15	15	15	-
Averages				
Average Personnel Costs, GS Positions	132,867	141,257	144,119	2,862
Average Grade, GS Positions	13	13	13	-

Research and Development Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Research and Development	\$25,023	\$6,505	\$6,822	\$317
Total	\$25,023	\$6,505	\$6,822	\$317
Discretionary - Appropriation	\$25,023	\$6,505	\$6,822	\$317

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$498	\$265	\$478	\$213
22.0 Transportation of Things	\$53	\$16	\$51	\$35
23.1 Rental Payments to GSA	\$1,286	\$1,296	\$1,306	\$10
23.2 Rental Payments to Others	\$44	\$27	\$42	\$15
23.3 Communications, Utilities, and Misc. Charges	\$437	\$200	\$420	\$220
25.1 Advisory and Assistance Services	\$7,881	\$1,033	\$1,289	\$256
25.2 Other Services from Non-Federal Sources	\$2,361	\$89	\$386	\$297
25.3 Other Goods and Services from Federal Sources	\$13	\$6	\$12	\$6
25.4 Operation and Maintenance of Facilities	-	\$2	-	(\$2)
25.5 Research and Development Contracts	\$5,812	\$2,279	\$952	(\$1,327)
25.6 Medical Care	\$428	\$49	\$412	\$363
25.7 Operation and Maintenance of Equipment	\$75	\$92	\$72	(\$20)
26.0 Supplies and Materials	\$5,636	\$418	\$922	\$504
31.0 Equipment	\$485	\$721	\$466	(\$255)
42.0 Insurance Claims and Indemnities	\$14	\$12	\$14	\$2
Total - Non Pay Object Classes	\$25,023	\$6,505	\$6,822	\$317

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Research, Development, Test, and Evaluation Activities	\$23,737	\$5,209	\$5,516	\$307
Rental Payments to GSA	\$1,286	\$1,296	\$1,306	\$10
Total Non Pay Cost Drivers	\$25,023	\$6,505	\$6,822	\$317

NON PAY NARRATIVE

Research and Development Activities: These costs are based on planned expenditures for research initiatives. Main cost drivers include technical and research contracts, as well as procurement of equipment and supplies. Increases reflect the anticipated research portfolio and associated funding requirements.

Rental Payments to GSA: The change reflects increased rental payments to GSA. This increase is driven by lease requirements for the Research and Development Center located in New London.

Research and Development

Technology Readiness Level Exhibit

Project Description:

Unmanned Systems: Assess and evaluate unmanned aircraft systems (UAS) and unmanned maritime (surface/subsurface) vehicles (UMVs) for surveillance, detection, classification, and identification missions; develop and test advanced UAS and UMV payloads (direction finding, SIGINT, and underwater acoustic classification) in partnership with academia, industry, and DOD; initiate investigation into Unmanned System threats to maritime sector/first responders; and develop applications of the uses of Unmanned Systems beyond traditional surveillance operations.

Sub Project

- Maritime Counter-UAS (cUAS)
- Assessment of Unmanned Maritime Systems for Coast Guard Missions
- Robotic Aircraft for Maritime Public Safety (RAMPS)
- Advanced Small Unmanned Aircraft System (sUAS) Sensor Investigations
- Long Range/Ultra-Long Endurance UAS (LR/U-LE UAS) Analysis

FY 2017 Key Milestone Events

- Delivered the summary report for robotic aircraft for maritime public safety – Research and Development Center
- Delivered the test report for unmanned maritime systems for Coast Guard missions
- Participated in evaluation of cUAS hosted by DHS National Urban Security Technology Laboratory (NUSTL)/Army adaptive red team

FY 2018 Planned Key Milestone Events

- Design, build, integrate, and test a maritime cUAS prototype
- Develop roadmap for unmanned maritime system development for Coast Guard applications
- Evaluate sUAS payloads in different environmental areas focusing on logistics, maintenance, and data dissemination
- Perform the market research review to complete the LR/U-LE UAS analysis key decision point
- Examine the feasibility, costs, and benefits of conducting intelligence, surveillance, and reconnaissance missions in transit zones using LR/U-LE UAS
- Conduct technology demonstration of LR/U-LE UAS

FY 2019 Planned Key Milestone Events

- Conduct additional test and evaluation of cUAS prototypes
- Continue examining the feasibility, costs, and benefits of conducting intelligence, surveillance, and reconnaissance missions in transit zones using LR/U-LE UAS
- Continue conducting additional technology demonstrations of LR/U-LE UAS

Delayed Milestones

- None

Overall Project Funding

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Project Funding	1,246	5,303	22,548	3,060	5,003
Obligations	1,246	5,303	4,698		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2017		
Robotic Aircraft for Maritime Public Safety (RAMPS)	Oct-13	Mar-19
Assessment of Unmanned Maritime Vehicles for CG Missions	Nov-13	Jul-18
Advanced sUAS Sensor Investigations	Jul-15	Feb-18
Maritime Counter Unmanned Aircraft Systems	Oct-16	Dec-20
Long Range /Ultra-long Endurance UAS Analysis	May-17	Dec-19
FY 2018		
Maritime Counter Unmanned Aircraft Systems	Oct-16	Dec-20
Robotic Aircraft for Maritime Public Safety (RAMPS)	Oct-13	Mar-19
Assessment of Unmanned Maritime Vehicles for CG Missions	Nov-13	Jul-18
Long Range /Ultra-long Endurance UAS Analysis	May-17	Dec-19
Advanced sUAS Sensor Investigations	Jul-15	Feb-18
FY 2019		
Maritime Counter Unmanned Systems	Oct-16	Dec-20
Robotic Aircraft for Maritime Public Safety (RAMPS)	Oct-13	Mar-19
Long Range /Ultra-long Endurance UAS Analysis	May-17	Dec-19

Type of Research

- Applied

Technology Readiness Level

- Level 5

Not Applicable

Project Description:

Arctic Operations: Evaluate and test maritime communication solutions for use in the Arctic; continue development and testing of the next generation Arctic navigation safety information system with private and public partnerships; plan and lead Arctic Shield multi-agency and academic technology demonstrations; continue to develop spill response technology/concepts for ice environments; and develop safe environmental parameters for Coast Guard personnel operating on ice.

Sub Project

- Response to Oil in Ice
- Arctic communications technology assessments
- Arctic operations support
- Next generation Arctic navigational safety information system
- Ice condition (ICECON) risk assessment tool(s)

FY 2017 Key Milestone Events

- Delivered Federal On-Scene Commander (FOSC) guide for oil in ice
- Delivered fourth oil in ice demonstration quick look report
- Delivered Arctic communications technology recommendations and path forward
- Delivered assessment of technology of deployed Arctic communications
- Identified potential areas for improvement in Arctic high frequency (HF) communications

FY 2018 Planned Key Milestone Events

- Demonstrate a dynamically reconfigurable network that provides the best available communications between users in the Arctic
- Assess/demonstrate Arctic operations technologies
- Evaluate/test other technologies with potential to extend range of near shore Arctic navigation safety information system
- Conduct long range (Digital Radio Mondiale (DRM30 HF)) Arctic Navigation Safety Information System (ANSIS) tech demo
- Research extended range (Automated Information System (AIS) Enhancements) to improve radio-link performance
- Conduct near shore (AIS transmit) ANSIS tech demonstration and develop transition report
- Conduct testing of approved personal protective equipment (PPE) for safe environmental operating parameters for ice rescue teams responding to emergencies on foot and in various means of transport
- Develop ICECON nowcast and forecast methodology

FY 2019 Planned Key Milestone Events

- Assess/demonstrate Arctic operations technologies
- Continue communications testing to support Arctic air, surface, and shore communications
- Develop safe guidelines for personnel engaged in ice rescues while exposed to extreme cold weather

- Validate ICECON model with icebreaker activity

Delayed Milestones

- None

Overall Project Funding

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Project Funding	5,018	2,738	2,038	3,290	908
Obligations	5,018	2,738	2,038		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2017		
Response to Oil in Ice	Nov-09	Nov-17
Arctic Communications Technology Assessments	Oct-12	Sep-20
Arctic Operations Support	Oct-13	Nov-20
Next Generation Arctic Navigational Safety Information System	Nov-13	Dec-18
Ice Condition (ICECON) Risk Assessment Tool(s)	Feb-16	Sep-19
FY 2018		
Arctic Operations Support	Oct-13	Nov-20
Next Generation Arctic Navigational Safety Information System	Nov-13	Nov-18
Robust Maritime Arctic Communications	Oct-17	Sep_20
Ice Condition (ICECON) Risk Assessment Tool(s)	Feb-16	Sep-19
FY 2019		
Arctic Operations Support	Oct-13	Nov-20
Next Generation Arctic Navigational Safety Information System	Nov-13	Dec-18
Robust Maritime Arctic Communications	Oct-17	Sep_20
Ice Condition (ICECON) Risk Assessment Tool(s)	Feb-16	Sep-19

Type of Research

- Applied

Technology Readiness Level

- Level 5

Transition Plans

- Not Applicable

Project Description:

Sensor Optimization, Automation, and Visualization: Evaluate various sensor technologies including, chemical, biological, nuclear, radar, electro-optical and infrared sensor systems effectiveness and improvements to search planning, detection, and mission operations. Evaluate technologies to support command and control visualization and search planning including geographic information systems (GIS).

Sub Project

- Tracking (direction finding) for search and rescue
- Evaluation of potential Coast Guard use of CubeSats
- Intelligence, surveillance and reconnaissance (ISR) enterprise data network study and analysis
- Alternatives to pyrotechnic distress signals
- Integration of GIS capability into Coast Guard tactical operations
- Night time search effectiveness evaluation
- Wide area autonomous search and cueing enhanced person in the water detection

FY 2017 Key Milestone Events

- Delivered additional signal evaluation results for alternatives to pyrotechnic distress signals
- Delivered Coast Guard airborne spill remote sensing and reporting
- Delivered analysis, evaluation, and improvement of lateral range curves (LRCs) for electro-optical sensor systems (ESS) for use in Coast Guard Search and Rescue Optimal Planning System (SAROPS)
- Delivered report on portable vessel exhaust gas sensor

FY 2018 Planned Key Milestone Events

- Conduct demonstration of cell phone geo-locating systems and methods
- Build and deploy ground station for the mobile CubeSat command and control (MC3) ground network; test and document the performance of the MC3 ground stations
- Support analysis for an enterprise ISR data network solution
- Investigate and develop safety of life at sea acceptable electronic visual distress signal characteristic and conduct field testing.
- Investigate methods to incorporate developed imagery products into existing Coast Guard information systems to provide situational awareness to inform tactical operations
- Research smart flotation technologies and perform laboratory testing

FY 2019 Planned Key Milestone Events

- Perform technology demonstrations (shore, surface, air) of an enterprise ISR data network to inform mission need documentation deliverables
- Develop a GIS capability report identifying how this capability can contribute to improvements in operational effectiveness
- Conduct limited user evaluations of smart flotation technologies

- Participate/partner in CubeSat technology development; test and document CubeSat performance during on-orbit test and evaluation

Delayed Milestones

- None

Overall Project Funding

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Project Funding	2,574	4,066	2,440	2,750	4,427
Obligations	2,574	4,066	2,440		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2017		
Evaluation of Potential CG Use of CubeSats	Jun-16	Dec-19
Tracking (Direction Finding) For Search And Rescue	Feb-16	Mar-19
Intelligence, Surveillance and Reconnaissance (ISR) Enterprise Data Network Study and Analysis	Jul-16	Mar-20
Alternatives to Pyrotechnic Distress Signals	Sep-09	Mar-19
FY 2018		
Evaluation of Potential CG Use of CubeSats	Jun-16	Dec-19
Tracking (Direction Finding) For Search And Rescue	Feb-16	Mar-19
Intelligence, Surveillance and Reconnaissance (ISR) Enterprise Data Network Study and Analysis	Jul-16	Mar-20
Alternatives to Pyrotechnic Distress Signals	Sep-09	Mar-19
Integration of Geographic Information System (GIS) Capability into Coast Guard Tactical Operations	Oct-17	Nov-18
Night Time Search Effectiveness Evaluation	Dec-17	Sep-20
Wide Area Autonomous Search and Cueing Enhanced Person in the Water Detection	Dec-17	Feb-20
FY 2019		
Evaluation of Potential CG Use of CubeSats	Jun-16	Dec-19
Tracking (Direction Finding) For Search And Rescue	Feb-16	Mar-19
Intelligence, Surveillance and Reconnaissance (ISR) Enterprise Data Network Study and Analysis	Jul-16	Mar-20
Integration of Geographic Information System (GIS) Capability into Coast Guard Tactical Operations	Oct-17	Nov-18
Alternatives to Pyrotechnic Distress Signals	Sep-09	Mar-19
Night Time Search Effectiveness Evaluation	Dec-17	Sep-20
Wide Area Autonomous Search and Cueing Enhanced Person in the Water Detection	Dec-17	Feb-20

Type of Research

- Applied

Technology Readiness Level

- Level 5

Transition Plans

- Not Applicable

Project Description:

Intelligence and Cyber: Work with port partners and leverage DOD and National Protection and Programs Directorate (NPPD) technologies to evaluate existing cybersecurity tools for port critical infrastructure protection and resilience. Investigate enhanced intelligence collection technologies and new analytic techniques to improve intelligence, surveillance, and reconnaissance (ISR), tasking, collection, processing, exploitation, and dissemination (TCPED) capability and opportunity for criminal prosecution. Evaluate tools to build and retain a cyber workforce. Conduct document and media exploitation (DOMEX) testing.

Sub Project

- Hoax location and prosecution technology
- Cybersecurity vulnerabilities, threats, and risk mitigation strategies for Coast Guard surface and air assets
- DOMEX testing
- Define and communicate exclusion zones
- Build and retain a cyber workforce

FY 2017 Key Milestone Events

- Completed evaluation of enhanced DF capabilities for hoax prosecution
- Partnered with Carnegie Mellon University for voice forensics and audio analytics as part of search and rescue (SAR) hoax call project
- Evaluated specific equipment, dependent on position navigation and timing systems, to identify vulnerabilities and derive the impact and consequence of a cybersecurity attack
- Conducted short term field test of prototype solution(s) that will unambiguously mark fixed and moving security zones
- Researched Inertial Navigation System technologies that can mitigate the impact losses of global navigation satellite system (GNSS) service on the navigational process

FY 2018 Planned Key Milestone Events

- Perform cyber assessments of various vessels to develop cybersecurity mitigation strategies
- Research the establishment of a technology evolution component to support DOMEX capabilities that can be used to test and evaluate new technology utilized by adversaries to subvert Coast Guard operational capabilities
- Assess the capabilities and state of technology of inertial navigation systems
- Develop a repeatable method and tools to test proficiency of current and potential cyber workforce personnel

FY 2019 Planned Key Milestone Events

- Perform cyber assessments of various aircraft to develop cybersecurity mitigation strategies
- Research DOMEX capability alternatives
- Deliver long-term solution field evaluation report on defining and communicating exclusion zones
- Identify cyber tool(s) for developing a cybersecurity workforce for further validation

- Conduct long-term solution field evaluation to define and communicate exclusion zones

Delayed Milestones

- None

Overall Project Funding

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Project Funding	2,317	3,163	839	1,004	1,589
Obligations	2,317	3,163	839		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2017		
Cybersecurity Vulnerabilities, Threats, and Risk Mitigation Strategies for Coast Guard Surface and Air Assets	Oct-16	Sep-20
Define and Communicate Exclusion Zones	May-13	Sep-19
Hoax Location and Prosecution Technology	Jun-16	Oct-17
FY 2018		
Cybersecurity Vulnerabilities, Threats, and Risk Mitigation Strategies for Coast Guard Surface and Air Assets	Oct-16	Sep-20
Define and Communicate Exclusion Zones	May-13	Sep-19
Hoax Location and Prosecution Technology	Jun-16	Oct-17
Building and Retaining a Cyber Workforce	Nov-17	Dec-19
Document and Media Exploitation (DOMEX) Testing	Oct-17	Nov-19
FY 2019		
Cybersecurity Vulnerabilities, Threats, and Risk Mitigation Strategies for Coast Guard Surface and Air Assets	Oct-16	Sep-20
Define and Communicate Exclusion Zones	May-13	Sep-19
Building and Retaining a Cyber Workforce	Nov-17	Dec-19
Document and Media Exploitation (DOMEX) Testing	Oct-17	Nov-19

Type of Research

- Applied

Technology Readiness Level

- Level 5

- Not Applicable

Project Description:

Waterways Management and Environmental Response: Provide technical expertise in the areas of pollution prevention and response, non-indigenous species, fisheries management, marine safety, and aids to navigation (ATON). Develop and test in-situ burning (ISB) as a spill response technology; continue research and development of viable spill response technologies; and continue development of heavy oil/tar sands product spill response technologies in freshwater and marine environments. Research and develop solutions for detection and response of oil and oil products on the surface and in the water column. Continue development and testing of technologies to replace traditional buoys; mooring systems, and mariner notification methods with alternative buoy mooring systems and electronic navigation systems to broadcast virtual and synthetic ATON and mariner notices.

Sub Project

- Oil spill response emerging technology research
- Near shore and inland evaluation of the estimated recovery system potential (ERSP) calculator
- Electronic Aids to Navigation (e-AtoN) technology demonstration
- Improved ISB for offshore use
- Develop an alternative buoy mooring system
- Navigational safety risk modeling and analysis tool

FY 2017 Key Milestone Events

- Delivered Western Rivers joint capability technical demonstration report
- Delivered ultraviolet-based ballast water management systems (BWMS) scalability guidance document
- Conducted mitigation of oil in water column prototype tests
- Delivered underwater oil in sediment sampling report
- Delivered Coast Guard Research and Development Center issues and recommendations on the response to shale oil and shale gas extraction wastewater (SGEWW) spills
- Developed conceptual model of a spill of national significance (SONS) equipment surge risk assessment tool/process
- Demonstrated absorbent foam designed to recover oil in the water column
- Conducted burns of crude oil to support development of technology to improve burn efficiency of crude oil during spill response
- Analyzed the viability of using the current oil spill ERSP calculator for both near shore and inland waters operating environments

FY 2018 Planned Key Milestone Events

- Evaluate emerging maritime oil spill response technology
- Research inland waters and near shore oil recovery equipment and efficiencies
- Continue conducting additional ISB evaluation; testing new equipment and collecting and publishing burn results for use by academia, national labs, and international stakeholders
- Monitor demonstration of prototype buoy mooring system

- Initiated long term demonstration of prototype buoy mooring system

FY 2019 Planned Key Milestone Events

- Expand ERSP to include inland waters and near shore recovery modeling in the calculator
- Continue conducting additional ISB evaluation; testing new equipment and collecting and publishing burn results for use by academia, national labs, and international stakeholders
- Create of an offshore energy risk assessment tool to assess proposed wind energy areas to further refine appropriate distances between shipping and structures

Delayed Milestones

- None

Overall Project Funding

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Project Funding	3,576	4,453	3,765	3,803	3,859
Obligations	3,576	4,453	3,765		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2017		
e-ATON Technology Demonstration	Nov-13	Sep-17
Oil Spill Response Technology Evaluation Process Research	Oct-16	Dec-18
Nearshore and Inland Evaluation of the Estimated Recovery System Potential (ERSP) Calculator	Oct-16	Oct-22
Develop an Environmentally Friendly Buoy Mooring System	Nov-15	Oct-20
Navigational Safety Risk Modeling and Analysis Tool	Oct-16	Jul-19
Improved In-Situ Burning (ISB) for Offshore Use	Feb-14	Dec-20
FY 2018		
Oil Spill Response Technology Evaluation Process Research	Oct-16	Dec-18
Nearshore and Inland Evaluation of the Estimated Recovery System Potential (ERSP) Calculator	Oct-16	Oct-22
Develop an Environmentally Friendly Buoy Mooring System	Nov-15	Oct-20
Navigational Safety Risk Modeling and Analysis Tool	Oct-16	Jul-19
Improved In-Situ Burning (ISB) for Offshore Use	Feb-14	Dec-20
FY 2019		
Oil Spill Response Technology Evaluation Process Research	Oct-16	Dec-18
Nearshore and Inland Evaluation of the Estimated Recovery System Potential (ERSP) Calculator	Oct-16	Oct-22
Develop an Environmentally Friendly Buoy Mooring System	Nov-15	Oct-20
Navigational Safety Risk Modeling and Analysis Tool	Oct-16	Jul-19
Improved In-Situ Burning (ISB) for Offshore Use	Feb-14	Dec-20

Type of Research

- Applied

Technology Readiness Level

- Level 5

Transition Plans

- Not Applicable

Project Description:

Operational Performance Improvements and Modeling: Develop enhancements to modeling capability for Coast Guard-wide asset allocation, force structure decision support, and navigational safety. Continue development and roll-out support of innovative interdiction patrol tactics using probabilistic-based search and game theory techniques. Investigate applications of modeling and simulation to evaluate and improve Coast Guard analytic competencies (mission analysis, crew efficiency, manpower requirements, C5IT obsolescence, survivor modeling, search effectiveness). Investigate technologies for improving overall mission effectiveness and efficiency such as mobile technology for data entry, single-fuel fleet, corrosion control and monitoring, machine learning (ML), and boarding team equipment for Coast Guard fleet implementation. Explore artificial intelligence for application in Coast Guard mission planning and disaster response. Research augmented reality capabilities to improve Coast Guard mission support.

Sub Project

- Diesel outboard development
- Mobile technology for operational efficiency
- Mass migration modeling and analysis
- Exploring ML for application in Coast Guard mission planning and disaster response
- Augmented reality capabilities to improve Coast Guard mission support
- Use of modern data analytics to improve risk-based allocation of prevention resources

FY 2017 Key Milestone Events

- Delivered non-lethal impact munitions limited user evaluation report
- Delivered interdiction tactical patrol scheduling evaluation report
- Delivered evaluation of three-dimensional (3D) printing technology for Coast Guard applications
- Delivered evaluation of WMEC 270 pitch/RPM schedules
- Assessed emerging boat davit technology
- Evaluated stand-off chemical threat detection technology
- Assessed the suitability of liquid natural gas fuel for river tender recapitalization
- Conducted performance testing on diesel outboard engine variants
- Provided a basic intro to additive manufacturing technology and its capabilities and limitations with respect to Coast Guard operations

FY 2018 Planned Key Milestone Events

- Continue performance testing of diesel outboard engine technologies
- Research and evaluate augmented reality assisted maintenance and training technology to enhance the Coast Guard's ability to perform maintenance on air, surface, and shore assets
- Develop models that would provide a capability for force-on-force modeling and optimization of force package employment for mass migrant interdiction operations

U.S. Coast Guard**Research and Development**

- Conduct assessment of the application of artificial intelligence/machine learning (AI/ML) to disaster response course of action development to determine how the use of AI/ML could improve the efficiency of Coast Guard planning and response process during a crisis
- Improve understanding of risk drivers to streamline port state control inspection activities by researching and applying modern data analytics and model based risk management tools

FY 2019 Planned Key Milestone Events

- Deliver diesel outboard feasibility report
- Perform laboratory testing and limited user evaluations of selected augmented reality technologies
- Develop a proof of concept prototype to validate AI/ML support to disaster response planning and conduct an evaluation
- Develop automated vessel inspection risk management planning tool for foreign vessel inspections

Delayed Milestones

- None

Overall Project Funding

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Project Funding	2,683	5,125	4,690	4,734	3,323
Obligations	2,683	5,125	4,690		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2017		
Diesel Outboard Development	Feb-14	Jul-19
Mobile Technology for Operational Efficiency	Mar-15	Nov-18
Analysis of Methods and Underway Time to Develop and Maintain Crew Proficiency	Dec-15	Jul-17
Mass Migration Modeling and Analysis	Oct-14	Dec-18
FY 2018		
Diesel Outboard Development	Feb-14	Jul-19
Mobile Technology for Operational Efficiency	Mar-15	Nov-18
Mass Migration Modeling and Analysis	Oct-14	Dec-18
Exploring Machine Learning (ML) for Application in USCG Mission Planning & Disaster Response	Oct-17	Jul-20
Augmented Reality Capabilities to Improve Coast Guard Mission Support	Dec-17	Jun-20
Use of Modern Data Analytics to Improve Risk Based Allocation of Prevention Resources	Oct-17	Mar-20
FY 2019		
Diesel Outboard Development	Feb-14	Jul-19
Exploring Machine Learning (ML) for Application in USCG Mission Planning & Disaster Response	Oct-17	Jul-20
Mobile Technology for Operational Efficiency	Mar-15	Nov-18
Mass Migration Modeling and Analysis	Oct-14	Dec-18
Augmented Reality Capabilities to Improve Coast Guard Mission Support	Dec-17	Jun-20
Use of Modern Data Analytics to Improve Risk Based Allocation of Prevention Resources	Oct-17	Mar-20

Type of Research

- Applied

Technology Readiness Level

- Level 5

Transition Plans

- Not Applicable

Department of Homeland Security

U.S. Coast Guard

Medicare-Eligible Retiree Health Care Fund Contribution



**Fiscal Year 2019
Congressional Justification**

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Medicare-Eligible Retiree Health Care Fund Contribution

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$175,506	-	-	\$195,784	-	-	-	-	-	(\$195,784)
Total	-	-	\$175,506	-	-	\$195,784	-	-	-	-	-	(\$195,784)
Subtotal Discretionary - Appropriation	-	-	\$175,506	-	-	\$195,784	-	-	-	-	-	(\$195,784)

Overview

The Medicare-Eligible Retiree Health Care Fund Contribution (MERHCFC) appropriation funded accrual of the Coast Guard's military Medicare-eligible health benefit contribution to the Department of Defense (DOD).

To transition the Coast Guard to the Common Appropriations Structure (CAS), the Coast Guard will request funding for and display MERHCFC as a PPA under the Operations and Support (O&S) appropriation in the FY 2019 Budget.

Medicare-Eligible Retiree Health Care Fund Contribution

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2017	FY 2018	FY 2019
Enacted/Request	\$175,506	\$195,784	-
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$175,506	\$195,784	-
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$175,506	\$195,784	-
Obligations (Actual/Projections/Estimates)	\$175,506	\$195,784	-
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

Medicare-Eligible Retiree Health Care Fund Contribution

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$175,506
FY 2018 President's Budget	-	-	\$195,784
FY 2019 Base Budget	-	-	\$195,784
Transfer to O&S/MERHCFC from MERHCFC Appropriation	-	-	(\$195,784)
Total Transfers	-	-	(\$195,784)
Total Adjustments-to-Base	-	-	(\$195,784)
FY 2019 Request	-	-	-
FY 2018 TO FY 2019 Change	-	-	(\$195,784)

Transfer to O&S/MERHCFC from MERHCFC Appropriation (\$195.8M): Transfers FY 2018 base funding from the MERHCFC appropriation to the O&S appropriation to transition the Coast Guard to CAS in FY 2019.

Medicare-Eligible Retiree Health Care Fund Contribution

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$175,506	-	-	-	\$195,784	-	-	-	-	-	-	-	(\$195,784)	-
Total	-	-	\$175,506	-	-	-	\$195,784	-	-	-	-	-	-	-	(\$195,784)	-
Discretionary - Appropriation	-	-	\$175,506	-	-	-	\$195,784	-	-	-	-	-	-	-	(\$195,784)	-

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
12.2 Military Personnel Benefits	\$175,506	\$195,784	-	(\$195,784)
Total - Personnel Compensation and Benefits	\$175,506	\$195,784	-	(\$195,784)
Positions and FTE				
Positions - Civilian	-	-	-	-

Department of Homeland Security

U.S. Coast Guard

Retired Pay



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Retired Pay**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Retired Pay	-	-	\$1,666,940	-	-	\$1,690,824	-	-	\$1,734,844	-	-	\$44,020
Total	-	-	\$1,666,940	-	-	\$1,690,824	-	-	\$1,734,844	-	-	\$44,020
Subtotal Mandatory - Appropriation	-	-	\$1,666,940	-	-	\$1,690,824	-	-	\$1,734,844	-	-	\$44,020

Overview

The Retired Pay (RP) appropriation provides payments as identified under Retired Serviceman's Family Protection and Survivor Benefits Plans, and other retired personnel entitlements identified under prior-year National Defense Authorization Acts. It includes funding for medical care of retired personnel and their dependents and payments for the Modernized Retirement System as directed by the 2016/2017 National Defense Authorization Acts (e.g., Thrift Savings Plan contributions, continuation pay, and lump-sum elections). This request supports the benefits outlined above and remains available until expended. The Retired Pay appropriation is scored as a mandatory appropriation.

Retired Pay Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$1,666,940	\$1,690,824	\$1,734,844
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$85,731	\$122,317	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$1,752,671	\$1,813,141	\$1,734,844
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$1,752,671	\$1,813,141	\$1,734,844
Obligations (Actual/Projections/Estimates)	\$1,630,354	\$1,813,141	\$1,734,844
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

Retired Pay Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$1,666,940
FY 2018 President's Budget	-	-	\$1,690,824
FY 2019 Base Budget	-	-	\$1,690,824
Retired Pay Contribution	-	-	\$44,020
Total, Pricing Increases	-	-	\$44,020
Total Adjustments-to-Base	-	-	\$44,020
FY 2019 Current Services	-	-	\$1,734,844
FY 2019 Request	-	-	\$1,734,844
FY 2018 TO FY 2019 Change	-	-	\$44,020

Justification of Pricing Changes

Pricing Changes (Dollars in Thousands)	FY 2019 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Retired Pay Contribution	-	-	\$44,020
Total Pricing Changes	-	-	\$44,020

Pricing Change 1 – Retired Pay Contribution \$44.0M: Reflects FY 2019 actuarial adjustments and inclusion of the Modernized Retirement System.

Retired Pay Personnel Compensation and Benefits Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Retired Pay	-	-	\$1,426,000	-	-	-	\$1,457,024	-	-	-	\$1,474,617	-	-	-	\$17,593	-
Total	-	-	\$1,426,000	-	-	-	\$1,457,024	-	-	-	\$1,474,617	-	-	-	\$17,593	-
Mandatory - Appropriation	-	-	\$1,426,000	-	-	-	\$1,457,024	-	-	-	\$1,474,617	-	-	-	\$17,593	-

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
13.0 Benefits for Former Personnel	\$1,426,000	\$1,457,024	\$1,474,617	\$17,593
Total - Personnel Compensation and Benefits	\$1,426,000	\$1,457,024	\$1,474,617	\$17,593
Positions and FTE				
Positions - Civilian	-	-	-	-

Pay Cost Drivers

Leading Cost-Drivers (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Retired Pay	-	\$1,426,000	-	-	\$1,457,024	-	-	\$1,474,617	-	-	\$17,593	-
Total - Pay Cost Drivers	-	\$1,426,000	-	-	\$1,457,024	-	-	\$1,474,617	-	-	\$17,593	-

NARRATIVE EXPLANATION OF CHANGES

FTE Change FY 2018-2019: N/A.

PCB Change FY 2018-2019: Increase due to changes in actuarial projections and costs associated with the Modernized Retirement System.

Average Cost Change FY 2018-2019: N/A.

Retired Pay Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Retired Pay	\$240,940	\$233,800	\$260,227	\$26,427
Total	\$240,940	\$233,800	\$260,227	\$26,427
Mandatory - Appropriation	\$240,940	\$233,800	\$260,227	\$26,427

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
25.6 Medical Care	\$240,940	\$233,800	\$260,227	\$26,427
Total - Non Pay Object Classes	\$240,940	\$233,800	\$260,227	\$26,427

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Medical Payments	\$240,940	\$233,800	\$260,227	\$26,427
Total – Non Pay Cost Drivers	\$240,940	\$233,800	\$260,227	\$26,427

NON PAY NARRATIVE

Medical Payments: Increase reflects FY 2019 actuarial adjustments for medical payments.

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U.S. Coast Guard

Boat Safety



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Boat Safety

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Boat Safety	14	14	\$113,049	19	19	\$118,416	19	19	\$114,682	-	-	(\$3,734)
Total	14	14	\$113,049	19	19	\$118,416	19	19	\$114,682	-	-	(\$3,734)
Subtotal Mandatory - Appropriation	14	14	\$113,049	19	19	\$118,416	19	19	\$114,682	-	-	(\$3,734)

Overview

The Boat Safety program aims to minimize loss of life, personal injury, property damage, and environmental impact associated with the use of recreational boats. The program directly supports the Coast Guard's Maritime Prevention Program by promoting the safe and enjoyable use of public U.S. waterways.

Boat Safety activities include: overseeing manufacturer compliance with Coast Guard regulations; making grants to states and national non-profit boating safety organizations; conducting surveys to measure recreational boating activity; continuing the Boat Responsibly national outreach and awareness initiative; promulgating safety regulations; and measuring life jacket wear rates, including the effectiveness of voluntary and mandatory efforts to increase life jacket usage.

The FY 2019 Budget requests 19 positions, 19 FTE, and \$114.7M for Boat Safety. The adjustments-to-base include funding for the annualization of the 2018 civilian pay raise and 2019 civilian allowances due to an increase in government contributions for various Federal Employee benefits.

In its role as the designated National Recreational Boating Safety Program Coordinator, the Coast Guard is charged with managing dedicated user fee funding provided from the Sport Fish Restoration and Boating Trust Fund to support the National Recreational Boating Safety Program. Under the provisions of the Sportfishing and Recreational Boating Safety Act of 2005 (Subtitle A, Title X, P.L. 109-59), the Coast Guard receives a percentage distribution of total trust fund receipts from the preceding fiscal year (i.e., FY 2019 funding will be a percentage of FY 2018 trust fund receipts). The FY 2019 Budget request includes an adjustment-to-base for trust fund receipts. Funds are available until expended, but are limited in purpose and amount in accordance with existing statute.

Boat Safety Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$113,049	\$118,416	\$114,682
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$12,020	\$4,180	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	(\$26)	\$477	\$7,323
Supplementals	-	-	-
Total Budget Authority	\$125,043	\$123,073	\$122,005
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$125,043	\$123,073	\$122,005
Obligations (Actual/Projections/Estimates)	\$120,863	\$123,073	\$122,005
Personnel: Positions and FTE			
Enacted/Request Positions	14	19	19
Enacted/Request FTE	14	19	19
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	18	19	19
FTE (Actual/Estimates/Projections)	17	19	19

Boat Safety Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	14	14	\$113,049
FY 2018 President's Budget	19	19	\$118,416
FY 2019 Base Budget	19	19	\$118,416
Technical Adjustment	-	-	(\$7,800)
Annualization of 2018 Civilian Pay Raise	-	-	\$10
2019 Civilian Allowances	-	-	\$6
Trust Fund Receipts Adjustment	-	-	\$4,050
Total, Pricing Increases	-	-	\$4,066
Total Adjustments-to-Base	-	-	(\$3,734)
FY 2019 Current Services	19	19	\$114,682
FY 2019 Request	19	19	\$114,682
FY 2018 TO FY 2019 Change	-	-	(\$3,734)

Boat Safety Justification of Pricing Changes

Pricing Changes (Dollars in Thousands)	FY 2019 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Annualization of 2018 Civilian Pay Raise	-	-	\$10
Pricing Change 2 - 2019 Civilian Allowances	-	-	\$6
Pricing Change 3 - Trust Fund Receipts Adjustment	-	-	\$4,050
Total Pricing Changes	-	-	\$4,066

Pricing Change 1 – Annualization of Civilian Pay Raise \$0.01M: Provides one quarter of funding to annualize the 2018 civilian (1.9 percent) pay raise.

Pricing Change 2 – 2019 Civilian Allowances \$0.006M: Provides funding for required government contributions to Federal Employee Government Life Insurance (FEGLI), Federal Employee Health Benefits (FEHB), and Thrift Savings Plan (TSP).

Pricing Change 3 – Trust Fund Receipts Adjustment \$4.1M: Under provisions of the Sportfishing and Recreational Boating Safety Act, the Coast Guard receives a percentage distribution of total trust fund receipts. The FY 2019 Budget request reflects anticipated needs to non-Federal sources.

Boat Safety Personnel Compensation and Benefits Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted				FY 2018 President's Budget				FY 2019 President's Budget				FY 2018 to FY 2019 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Boat Safety	14	14	\$2,670	\$190.71	19	19	\$2,786	\$146.63	19	19	\$2,804	\$147.58	-	-	\$18	\$0.95
Total	14	14	\$2,670	\$190.71	19	19	\$2,786	\$146.63	19	19	\$2,804	\$147.58	-	-	\$18	\$0.95
Mandatory - Appropriation	14	14	\$2,670	\$190.71	19	19	\$2,786	\$146.63	19	19	\$2,804	\$147.58	-	-	\$18	\$0.95

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
11.1 Full-time Permanent	\$2,039	\$2,149	\$2,136	(\$13)
11.3 Other than Full-Time Permanent	\$26	-	\$27	\$27
11.5 Other Personnel Compensation	\$27	\$18	\$28	\$10
12.1 Civilian Personnel Benefits	\$578	\$619	\$613	(\$6)
Total - Personnel Compensation and Benefits	\$2,670	\$2,786	\$2,804	\$18
Positions and FTE				
Positions - Civilian	14	19	19	-
FTE - Civilian	14	19	19	-

Pay Cost Drivers

Leading Cost-Drivers Dollars in Thousands	FY 2017 Enacted ¹			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Pay	14	\$2,670	\$190.71	19	\$2,786	\$146.63	19	\$2,804	\$147.58	-	\$18	\$0.95
Total – Pay Cost Drivers	14	\$2,670	\$190.71	19	\$2,786	\$146.63	19	\$2,804	\$147.58	-	\$18	\$0.95

¹ FY 2017 Enacted reflects actual FTE and pay amounts.

NARRATIVE EXPLANATION OF CHANGES

FTE Change FY 2018-2019: None.

PC&B Change FY 2018-2019: The change includes funding to annualize the 2018 civilian pay raise of 1.9 percent and funding for required government contributions to FEGLI, FEHB, and TSP.

Average Cost Change FY 2018-2019: The average cost change is due to personnel cost increases related to the pay raise annualization and benefits that impact all FTE.

Bonuses and Performance Awards: The FY 2019 Budget request estimates \$32K for bonuses and performance awards. This request remains in line with the Office of Personnel Management's "Awards Guidance on Spending Limits."

Boat Safety

Permanent Positions by Grade – Appropriation

Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
GS-15	1	3	3	-
GS-14	3	3	3	-
GS-13	9	12	12	-
GS-7	1	1	1	-
Total Permanent Positions	14	19	19	-
Total Perm. Employment (Filled Positions) EOY	14	14	14	-
Position Locations				
Headquarters	12	17	17	-
U.S. Field	2	2	2	-
Averages				
Average Personnel Costs, GS Positions	142,136	155,826	159,258	3,432
Average Grade, GS Positions	13	13	13	-

Boat Safety Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Boat Safety	\$110,379	\$115,630	\$111,878	(\$3,752)
Total	\$110,379	\$115,630	\$111,878	(\$3,752)
Mandatory - Appropriation	\$110,379	\$115,630	\$111,878	(\$3,752)

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Change
21.0 Travel and Transportation of Persons	\$148	\$162	\$151	(\$11)
22.0 Transportation of Things	-	\$1	-	(\$1)
24.0 Printing and Reproduction	\$327	\$10	\$331	\$321
25.1 Advisory and Assistance Services	-	\$5	-	(\$5)
25.2 Other Services from Non-Federal Sources	\$2,433	\$2,943	\$2,466	(\$477)
25.7 Operation and Maintenance of Equipment	\$21	-	\$22	\$22
31.0 Equipment	\$9	\$4	\$9	\$5
41.0 Grants, Subsidies, and Contributions	\$107,441	\$112,505	\$108,899	(\$3,606)
Total - Non Pay Object Classes	\$110,379	\$115,630	\$111,878	(\$3,752)

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers (Dollars in Thousands)	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Boat Safety Grants & Administration	\$110,379	\$115,630	\$111,878	(\$3,752)
Total – Non Pay Cost Drivers	\$110,379	\$115,630	\$111,878	(\$3,752)

NON PAY NARRATIVE

Boat Safety Grants & Administration: Provides grants for the development and implementation of a coordinated National Recreational Boating Safety Program. This funding level is based on current estimates of trust fund receipts from the Office of Tax Analysis at the Department of Treasury (adjusted to reflect amendments to current law enacted in P.L. 109-59).

Department of Homeland Security

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Maritime Oil Spill Program



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Maritime Oil Spill Program

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Maritime Oil Spill Program	-	-	\$101,000	-	-	\$101,000	-	-	\$101,000	-	-	-
Total	-	-	\$101,000	-	-	\$101,000	-	-	\$101,000	-	-	-
Subtotal Mandatory - Appropriation	-	-	\$101,000	-	-	\$101,000	-	-	\$101,000	-	-	-

Overview

The Maritime Oil Spill Program operates under the authority of Title I of the Oil Pollution Act of 1990 (OPA), as amended, which provides for the use of the Oil Spill Liability Trust Fund (OSLTF) to pay for Federal response to oil spills and claims for uncompensated removal costs and damages resulting from such spills. The Maritime Oil Spill Program directly supports the Coast Guard's Marine Environment Protection mission and Maritime Response Program.

In Section seven of Executive Order 12777, the President delegated management responsibility of the OSLTF to the Secretary of the Department in which the Coast Guard is operating. Upon re-delegation by the Secretary, the Commandant of the Coast Guard delegated responsibility to the National Pollution Funds Center (NPFC), which oversees the OSLTF.

The NPFC:

- Provides funding for Federal removal actions in response to a discharge or a substantial threat of discharge of oil to navigable waters of the United States;
- Compensates claimants for OPA removal costs or damages;
- Provides funding to natural resource trustees for Natural Resource Damage Assessments (NRDA); and
- Administers the OSLTF.

The FY 2019 Budget estimates that expenditures from this account will total \$101M for the Maritime Oil Spill Program. These estimated expenditures consist of a \$50M transfer for immediate Federal oil spill response, an estimated \$1M payment to the Prince William Sound Oil Spill Recovery Institute, and an estimated \$50M to compensate claimants for uncompensated OPA removal costs and damages, including natural resource damages.

Maritime Oil Spill Program Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2017	FY 2018	FY 2019
Enacted/Request	\$101,000	\$101,000	\$101,000
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$132,922	\$151,003	\$146,800
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	(\$117)	\$14	\$6,955
Supplementals	-	-	-
Total Budget Authority	\$233,805	\$252,017	\$254,755
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$233,805	\$252,017	\$254,755
Obligations (Actual/Projections/Estimates)	\$46,015	\$105,217	\$107,955
Personnel: Positions and FTE			
Enacted/Request Positions	-	-	-
Enacted/Request FTE	-	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	-	-
FTE (Actual/Estimates/Projections)	-	-	-

Maritime Oil Spill Program Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2017 Enacted	-	-	\$101,000
FY 2018 President's Budget	-	-	\$101,000
FY 2019 Base Budget	-	-	\$101,000
FY 2019 Current Services	-	-	\$101,000
FY 2019 Request	-	-	\$101,000
FY 2018 TO FY 2019 Change	-	-	-

Maritime Oil Spill Program Non Pay Budget Exhibits

Non Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Maritime Oil Spill Program	\$101,000	\$101,000	\$101,000	-
Total	\$101,000	\$101,000	\$101,000	-
Mandatory - Appropriation	\$101,000	\$101,000	\$101,000	-

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2017 Enacted	FY 2018 President's Budget	FY 2019 President's Budget	FY 2018 to FY 2019 Total Changes
Maritime Oil Spill Program	\$101,000	\$101,000	\$101,000	-
Total – Non Pay Cost Drivers	\$101,000	\$101,000	\$101,000	-

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Comparison of Budget Authority and Request

Organization (Dollars in Thousands)	FY 2017 Enacted			FY 2018 President's Budget			FY 2019 President's Budget			FY 2018 to FY 2019 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
General Gift Fund	-	-	\$2,829	-	-	\$2,864	-	-	\$2,864	-	-	-
Total	-	-	\$2,829	-	-	\$2,864	-	-	\$2,864	-	-	-
Subtotal Mandatory - Appropriation	-	-	\$2,829	-	-	\$2,864	-	-	\$2,864	-	-	-

General Gift Fund

Budget Activities: The Coast Guard General Gift Fund is authorized under 10 U.S.C. § 2601, which provisions for such funds within the Department of Defense and the Coast Guard. The General Gift Fund is a vehicle that authorizes the Commandant of the Coast Guard to accept gifts and donations for the benefit of museums, chapels, and other organizations under the jurisdiction of the Coast Guard. The Coast Guard is also authorized to accept gifts to be used for the benefit of service members who are wounded, injured or taken ill while in the line of duty, as well as for those members' dependents and survivors.

Budget Request Summary: The FY 2019 Budget estimates \$2.9M in bequests from various sources to the General Gift Fund.

Yard Fund

Budget Activities: The Coast Guard Yard, located in Curtis Bay, MD, provides engineering support and industrial services for maintenance and repair of Coast Guard cutters, aids to navigation and other equipment. The Coast Guard Yard also manages facilities that homeport Coast Guard cutters and house several Coast Guard commands, including the Surface Forces Logistics Center, Sector Baltimore and Curtis Bay Station.

Budget Request Summary: The Yard Fund is a revolving account supported by the Coast Guard's Operations and Support (O&S) and Procurement, Construction & Improvements (PC&I) appropriations. It pays for personnel and materials required for Coast Guard projects and work orders completed by the Coast Guard Yard. These activities indirectly support Coast Guard missions.

Supply Fund

Budget Activities: The Supply Fund, in accordance with 14 U.S.C. § 650, finances the procurement of uniform clothing, commissary provisions, general stores, technical material, and fuel for vessels over 180 feet in length.

Budget Request Summary: The fund is financed by reimbursements from the sale of goods, including the procurement of uniforms, commissioning provisions, stores, materials, and fuel. These activities indirectly support Coast Guard missions.