

Department of Homeland Security

U.S. Coast Guard

Budget Overview



Fiscal Year 2020

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 Security Cutter	PPA Level II,Investment	Discretionary - Appropriation
Waterways Commerce Cutter	PPA Level II,Investment	Discretionary - Appropriation
Polar Sustainment	Investment,PPA Level II	Discretionary - Appropriation
Aides to Navigation Boat - Large	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
MH-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
Long Range Command and Control Aircraft	PPA Level II,Investment	Discretionary - Appropriation

Department of Homeland Security

U.S. Coast Guard

Organization Name	Level	Fund Type (* Includes Defense Funding)
MH-60T Conversions	PPA Level II,Investment	Discretionary - Appropriation
Other Acquisition Programs	PPA	
Other Equipment and Systems	PPA Level II,Investment	Discretionary - Appropriation
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
Cyber and Enterprise Mission Platform	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 primary PPA known as Operations and Support to which it's publically reported measures align. These measures are presented in two measure sets – strategic and management measures – and listed under descriptions for the five U.S. Coast Guards mission programs. Strategic measures communicate results delivered for our agency goals and are considered our 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. Measure tables that do not display previous year's results are because the measure did not exist at that time.

Maritime Law Enforcement: The Maritime Law Enforcement program preserves America's jurisdictional rights within our maritime borders. The U.S. Coast Guard is the lead federal maritime law enforcement agency for enforcing national and international law on the high seas, outer continental shelf, and inland from the U.S. Exclusive Economic Zone 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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	96.5%	96.5%	97.0%	97.0%	97.0%	97.0%
Result:	97.1%	96.8%	97.1%	97.8%	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	---	---	---	18.0%	18.0%	18.0%
Result:	---	---	---	31.3%	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	73.0%	74.0%	74.5%	75.0%	75.0%	75.0%
Result:	74.8%	79.3%	83.0%	72.0%	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	<6,300	<6,300	<6,426	<6,750	<4,718	<4,718
Result:	6,028	8,165	3,592	2,116	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	13.8%	11.5%	11.5%	10.0%	10.0%	10.0%
Result:	11.5%	7.1%	8.2%	7.3%	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 U.S. Coast Guard's Maritime Prevention program: Ports, Waterways, and Coastal Security; 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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	<=15.8	<=15.8	<=15.5	<=14.6	<=14.5	<=14.4
Result:	14.2	10.4	8.0	8.2	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	<=11.1	<=11.0	<=10.9	<=10.3	<=10.2	<=10.1
Result:	7.8	8.4	9.2	8.8	TBD	TBD

Maritime Response: The Maritime Response program mitigates the consequences of marine casualties and disastrous events. The U.S. 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 U.S. 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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	100.0%	100.0%	100.0%	80.0%	80.0%	80.0%
Result:	80.0%	79.4%	78.8%	78.0%	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	<=693	<=701	<=698	<=698	<=689	<=644
Result:	696	688	684	705	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	<=2,038	<=1,900	<=1,890	<=1,749	<=1,727	<=1,704
Result:	1,788	1,617	1,475	1,344	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	100%	100%	100.0%	100.0%	100.0%	100.0%
Result:	96.0%	90.3%	90.7%	93.0%	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	<=153	<=148	<=142	<=133	<=132	<=131
Result:	135	120	119	126	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	<=173	<=173	<=172	<=134	<=132	<=132
Result:	135	115	97	92	TBD	TBD

Measure: Three-year average of recreational boating deaths						
Description: This measure reports the three-year average of recreational boating deaths and removes the inclusion of injuries in the scope. Injuries tend to be larger in number but less meaningful in terms of reflecting meaningful maritime prevention efforts.						
Fiscal Year:	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	---	---	---	<=605	<=602	<=599
Result:	---	---	---	655	TBD	TBD

Maritime Security Operations: The Maritime Security Operations program encompasses activities 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 U.S. Coast Guard's Ports, Waterways, and Coastal Security mission and complements the other two elements: the establishment and oversight of maritime security regimes, and maritime domain awareness.

Strategic Measures

Measure: Number of breaches at high-risk maritime facilities						
Description: This measure reports the number of security breaches 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. As such, they pose a greater risk for significant loss of life, environmental damage, or economic disruption if attacked. MTSA regulated facilities constitute more than 3,400 high-risk subset of all waterfront facilities. They are facilities that handle certain dangerous cargoes, liquid natural gas, transfer oil, 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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	---	---	---	<=235	<=307	<=307
Result:	---	---	---	320	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 U.S. Coast Guard inspections. The Security and Accountability for Every (SAFE) Port Act of 2006 requires the U.S. Coast Guard to conduct at least two MTSA security inspections on regulated facilities each year; one announced and one unannounced. U.S. Coast Guard 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/Captain 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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
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 16 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 for FY11-FY16 have increased relative to FY 2010 due to a revised methodology that took effect in FY11.						
Fiscal Year:	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	37%	56%	56%	56%	49%	49%
Result:	58%	44%	49%	52%	TBD	TBD

Measure: Percent reduction of maritime security risk resulting from U.S. Coast Guard consequence management						
Description: This measure indicates the estimated percent of terrorist-related maritime risk reduction due to consequence management, as a percent of the risk that U.S. Coast Guard has the ability to impact. This is a risk-based measure that involves the scoring (by maritime security subject matter experts) of 16 high-consequence maritime terrorist attack scenarios with respect to threat, vulnerability, and consequence. Aggregation of maritime security risk scenarios generates an index of "raw risk" that exists in the maritime domain. U.S. Coast Guard layered interventions (both operational and regulatory-based) employed throughout the fiscal year are scored against the attack scenarios with regard to the percent consequence after a modeled attack has occurred. The resultant measure shows the reduction in "raw risk" from U.S. Coast Guard consequence mitigation efforts alone. Targets for FY11-16 have increased relative to FY10 due to a revised methodology that took effect in FY11.						
Fiscal Year:	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	5%	4%	4%	4%	2%	2%
Result:	4%	1%	2%	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 U.S. Coast Guard 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, U.S. Coast Guard 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 for FY11-16 have increased due to a revised methodology that takes effect in FY11.

Fiscal Year:	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	35%	58%	58%	58%	59%	60%
Result:	59%	59%	59%	60%	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 United States through the maritime domain (as a percent of the risk that the U.S. Coast Guard 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. U.S. Coast Guard 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 for FY11-16 have increased relative to FY 2010 due to a revised methodology.

Fiscal Year:	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	25%	39%	39%	39%	44%	45%
Result:	39%	42%	44%	46%	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%
Result:	97.7%	97.7%	97.5%	97.1%	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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Target:	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%
Result:	81.9%	100%	99.9%	89.5%	TBD	TBD

U.S. Coast Guard Budget Comparison and Adjustments

Budget Comparison with FY 2019 Annualized CR

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 Annualized CR	FY 2019 President's Budget	FY 2020 President's Budget
Operations and Support	\$7,210,313	\$7,325,188	\$7,792,498	\$7,858,900
Military Pay and Allowances	\$3,716,444	\$3,716,444	\$3,851,095	\$3,996,812
Civilian Pay and Benefits	\$847,678	\$847,678	\$929,385	\$986,429
Training and Recruiting	\$191,015	\$191,015	\$187,991	\$194,930
Operating Funds and Unit Level Maintenance	\$897,171	\$897,171	\$907,894	\$927,674
Centrally Managed Accounts	\$142,788	\$142,788	\$143,641	\$150,236
Intermediate and Depot Level Maintenance	\$1,415,217	\$1,415,217	\$1,442,048	\$1,478,270
Reserve Training	-	\$114,875	\$117,655	\$124,549
Environmental Compliance and Restoration	-	-	\$13,429	-
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$199,360	-
Procurement, Construction, and Improvements	\$2,694,745	\$2,694,745	\$1,886,750	\$1,234,656
Vessels	\$2,192,100	\$2,192,100	\$1,543,750	\$792,200
Survey and Design - Vessels and Boats	\$4,500	\$4,500	\$500	\$500
In-Service Vessel Sustainment	\$60,500	\$60,500	\$63,250	\$77,900
National Security Cutter	\$1,241,000	\$1,241,000	\$65,000	\$60,000
Offshore Patrol Cutter	\$500,000	\$500,000	\$400,000	\$457,000
Fast Response Cutter	\$340,000	\$340,000	\$240,000	\$140,000
Cutter Boats	\$1,000	\$1,000	\$5,000	\$4,300
Polar Security Cutter	\$19,000	\$19,000	\$750,000	\$35,000
Waterways Commerce Cutter	\$26,100	\$26,100	\$5,000	\$2,500
Polar Sustainment	-	-	\$15,000	\$15,000
Aircraft	\$195,600	\$195,600	\$148,000	\$199,600
HC-144 Conversion/Sustainment	-	-	\$17,000	\$17,000
HC-27J Conversion/Sustainment	\$70,000	\$70,000	\$80,000	\$103,200
HC-130J Acquisition/Conversion/Sustainment	\$100,600	\$100,600	-	-
MH-65 Conversion/Sustainment	\$22,000	\$22,000	\$20,000	\$50,000
MH-60T Sustainment	\$2,500	\$2,500	\$25,000	\$20,000
Small Unmanned Aircraft Systems	\$500	\$500	\$6,000	\$9,400

Department of Homeland Security

U.S. Coast Guard

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 Annualized CR	FY 2019 President's Budget	FY 2020 President's Budget
Other Acquisition Programs	\$50,800	\$50,800	\$60,000	\$69,256
Other Equipment and Systems	\$4,000	\$4,000	\$3,500	\$3,500
Program Oversight and Management	\$15,000	\$15,000	\$20,000	\$20,000
C4ISR	\$22,000	\$22,000	\$23,300	\$25,156
Coast Guard Logistics Information Management System	\$9,800	\$9,800	\$13,200	\$6,400
Cyber and Enterprise Mission Platform	-	-	-	\$14,200
Shore Facilities and Aids to Navigation (ATON)	\$134,500	\$134,500	\$135,000	\$173,600
Major Shore, Housing, ATON, Survey and Design	\$42,400	\$42,400	\$30,000	\$52,000
Major Acquisition Systems Infrastructure	\$87,100	\$87,100	\$100,000	\$116,600
Minor Shore	\$5,000	\$5,000	\$5,000	\$5,000
Personnel and Related Support Costs	\$121,745	\$121,745	-	-
Research and Development	\$29,141	\$29,141	\$19,109	\$4,949
Environmental Compliance and Restoration	\$13,397	\$13,397	-	\$13,495
Reserve Training	\$114,875	-	-	-
Medicare-Eligible Retiree Health Care Fund Contribution	\$204,136	\$199,360	-	\$205,107
Retired Pay	\$1,676,117	\$1,676,117	\$1,734,844	\$1,802,309
Boat Safety	\$118,416	\$118,416	\$114,682	\$116,700
Maritime Oil Spill Program	\$101,000	\$101,000	\$101,000	\$101,000
Funds	\$2,864	\$2,864	\$2,864	\$2,864
General Gift Fund	\$2,864	\$2,864	\$2,864	\$2,864
Overseas Contingency Operations (OCO)/Global War on	\$163,000	\$163,000	-	-
Total	\$12,328,004	\$12,323,228	\$11,651,747	\$11,339,980

U.S. Coast Guard

Comparison of Budget Authority and Request

Organization (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Operations and Support	48,677	47,181	\$7,210,313	50,141	48,541	\$7,792,498	50,805	49,174	\$7,858,900	664	633	\$66,402
Procurement, Construction, and Improvements	914	835	\$2,694,745	-	-	\$1,886,750	-	-	\$1,234,656	-	-	(\$652,094)
Research and Development	96	83	\$29,141	96	83	\$19,109	-	-	\$4,949	(96)	(83)	(\$14,160)
Environmental Compliance and Restoration	25	23	\$13,397	-	-	-	25	23	\$13,495	25	23	\$13,495
Reserve Training	416	409	\$114,875	-	-	-	-	-	-	-	-	-
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$204,136	-	-	-	-	-	\$205,107	-	-	\$205,107
Retired Pay	-	-	\$1,676,117	-	-	\$1,734,844	-	-	\$1,802,309	-	-	\$67,465
Boat Safety	19	19	\$118,416	19	19	\$114,682	19	19	\$116,700	-	-	\$2,018
Maritime Oil Spill Program	-	-	\$101,000	-	-	\$101,000	-	-	\$101,000	-	-	-
Funds	-	-	\$2,864	-	-	\$2,864	-	-	\$2,864	-	-	-
Overseas Contingency Operations (OCO)/Global War on	-	366	\$163,000	-	-	-	-	-	-	-	-	-
Total	50,147	48,916	\$12,328,004	50,256	48,643	\$11,651,747	50,849	49,216	\$11,339,980	593	573	(\$311,767)
Subtotal Discretionary - Appropriation	50,128	48,531	\$10,266,607	50,237	48,624	\$9,698,357	50,830	49,197	\$9,317,107	593	573	(\$381,250)
Subtotal Mandatory - Appropriation	19	19	\$1,898,397	19	19	\$1,953,390	19	19	\$2,022,873	-	-	\$69,483
Subtotal Overseas Contingency Operations (OCO)	-	366	\$163,000	-	-	-	-	-	-	-	-	-

*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

For the FY2020 President's Budget, the U.S. Coast Guard (USCG) requests \$11.3B in total gross budget authority. This represents a decrease of \$311.8M from the FY 2019 President's Budget.

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 2020 Budget Request 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 includes 50,849 positions; 49,216 FTE; and funding for all 11 statutory Coast Guard missions. In FY 2020, the Coast Guard continues to efficiently allocate budgetary resources to optimize performance across all Coast Guard mission programs and activities.

FY 2020 funding supports construction of the third Offshore Patrol Cutter (OPC) and Long Lead Time Material (LLTM) for the fourth and fifth. Furthermore, the Budget continues efforts on the Polar Security Cutter (PSC) program to meet growing demands in the Polar Regions, as well as continues the service-life extension of the POLAR STAR, the Nation's only heavy icebreaker in service. In addition to surface recapitalization efforts, FY 2020 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 2020 Budget Request resources the Coast Guard to conduct today's highest priority operations in support of national objectives. In 2020, the Coast Guard will accept delivery of more capable, modernized assets, including one National Security Cutter, crew for the first OPC, five Fast Response Cutters, and one HC-130J aircraft – the Budget provides the resources to operate and maintain these new assets. The Budget Request also makes significant investments to improve the readiness of the workforce, in the cybersecurity domain, and to combat Transnational Criminal Organizations (TCOs).

U.S. Coast Guard Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$12,328,004	\$11,651,747	\$11,339,980
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$1,506,838	\$3,309,611	\$1,238,211
Rescissions to Current Year/Budget Year	(\$25,000)	-	-
Net Sequestered Resources	\$587	\$652	\$13,516
Reprogrammings/Transfers	(\$30,450)	-	-
Supplementals	\$835,093	-	-
Total Budget Authority	\$14,615,072	\$14,962,010	\$12,591,707
Collections – Reimbursable Resources	\$380,896	\$506,978	\$558,153
Total Budget Resources	\$14,995,968	\$15,468,988	\$13,149,860
Obligations (Actual/Estimates/Projections)	\$11,518,431	\$14,230,777	\$12,305,625
Personnel: Positions and FTE			
Enacted/Request Positions	50,147	50,256	50,849
Enacted/Request FTE	48,916	48,643	49,216
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	50,134	51,868	52,698
FTE (Actual/Estimates/Projections)	49,689	50,149	50,924

U.S. Coast Guard Collections - Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>		FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture	Source	-	-	-	11	7	\$838	4	2	\$258	(7)	(5)	(\$580)
Operations and Support	Location	-	-	-	11	7	\$838	4	2	\$258	(7)	(5)	(\$580)
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	\$1,233	8	8	\$2,628	10	10	\$2,652	2	2	\$24
Operations and Support	Location	8	8	\$1,233	8	8	\$2,628	10	10	\$2,652	2	2	\$24
Military Pay and Allowances	Location	8	8	\$1,233	6	6	\$887	8	8	\$905	2	2	\$18
Civilian Pay and Benefits	Location	-	-	-	2	2	\$263	2	2	\$263	-	-	-
Training and Recruiting	Location	-	-	-	-	-	\$35	-	-	\$41	-	-	\$6
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	\$1,429	-	-	\$1,429	-	-	-
Centrally Managed Accounts	Location	-	-	-	-	-	\$14	-	-	\$14	-	-	-
Department of Defense - Department of Defense	Source	610	607	\$63,171	601	601	\$139,246	593	579	\$117,641	(8)	(22)	(\$21,605)
Operations and Support	Location	610	607	\$63,171	601	601	\$139,246	593	579	\$117,641	(8)	(22)	(\$21,605)
Military Pay and Allowances	Location	432	442	\$43,215	567	567	\$60,775	559	545	\$54,338	(8)	(22)	(\$6,437)
Civilian Pay and Benefits	Location	178	165	\$19,956	34	34	\$5,305	34	34	\$5,305	-	-	-
Training and Recruiting	Location	-	-	-	-	-	\$1,570	-	-	\$1,552	-	-	(\$18)
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	\$70,511	-	-	\$55,361	-	-	(\$15,150)
Centrally Managed Accounts	Location	-	-	-	-	-	\$1,085	-	-	\$1,085	-	-	-
Department of Health and Human Services - Department Wide	Source	-	-	-	17	13	\$1,146	22	16	\$944	5	3	(\$202)
Operations and Support	Location	-	-	-	17	13	\$1,146	22	16	\$944	5	3	(\$202)

Department of Homeland Security

U.S. Coast Guard

Collections <i>(Dollars in Thousands)</i>		FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Military Pay and Allowances	Location	-	-	-	1	1	\$160	6	4	-	5	3	(\$160)
Civilian Pay and Benefits	Location	-	-	-	16	12	\$905	16	12	\$905	-	-	-
Training and Recruiting	Location	-	-	-	-	-	\$15	-	-	\$4	-	-	(\$11)
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	\$43	-	-	\$12	-	-	(\$31)
Centrally Managed Accounts	Location	-	-	-	-	-	\$23	-	-	\$23	-	-	-
Department of Homeland Security - Department of Homeland Security	Source	123	123	\$14,975	224	222	\$42,880	308	308	\$40,990	84	86	(\$1,890)
Operations and Support	Location	123	123	\$14,975	224	222	\$42,880	308	308	\$40,990	84	86	(\$1,890)
Military Pay and Allowances	Location	87	89	\$10,355	63	61	\$8,682	147	147	\$6,871	84	86	(\$1,811)
Civilian Pay and Benefits	Location	36	34	\$4,620	161	161	\$15,702	161	161	\$15,702	-	-	-
Training and Recruiting	Location	-	-	-	-	-	\$371	-	-	\$292	-	-	(\$79)
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	\$17,729	-	-	\$17,729	-	-	-
Centrally Managed Accounts	Location	-	-	-	-	-	\$396	-	-	\$396	-	-	-
Independent Agency - Other Independent Agencies	Source	-	-	-	-	-	\$500	-	-	\$750	-	-	\$250
Research and Development	Location	-	-	-	-	-	\$500	-	-	\$750	-	-	\$250
Department of Homeland Security - Federal Emergency Management Agency	Source	-	-	\$18	-	-	-	-	-	\$53,011	-	-	\$53,011
Operations and Support	Location	-	-	\$18	-	-	-	-	-	\$53,011	-	-	\$53,011
Operating Funds and Unit Level Maintenance	Location	-	-	\$18	-	-	-	-	-	\$53,011	-	-	\$53,011
Department of Homeland Security - Science and Technology	Source	-	-	\$2,108	-	-	\$1,500	-	-	\$1,500	-	-	-
Research and Development	Location	-	-	\$2,108	-	-	\$1,500	-	-	\$1,500	-	-	-
Department of Commerce - National Oceanic and Atmospheric Administration	Source	-	-	\$50	-	-	\$50	-	-	\$50	-	-	-
Funds	Location	-	-	\$50	-	-	\$50	-	-	\$50	-	-	-
Yard Fund	Location	-	-	\$50	-	-	\$50	-	-	\$50	-	-	-
Other Anticipated Reimbursables	Source	31	25	\$2,718	9	9	\$17,340	10	10	\$17,510	1	1	\$170
Operations and Support	Location	31	25	\$2,718	9	9	\$17,340	10	10	\$17,510	1	1	\$170
Military Pay and Allowances	Location	22	18	\$1,833	2	2	\$246	3	3	\$418	1	1	\$172
Civilian Pay and Benefits	Location	9	7	\$885	7	7	\$916	7	7	\$916	-	-	-

Department of Homeland Security

U.S. Coast Guard

Collections <i>(Dollars in Thousands)</i>		FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Training and Recruiting	Location	-	-	-	-	-	\$13	-	-	\$11	-	-	(\$2)
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	\$832	6	6	\$5,920	10	10	\$5,375	4	4	(\$545)
Operations and Support	Location	7	7	\$832	6	6	\$4,720	10	10	\$4,375	4	4	(\$345)
Military Pay and Allowances	Location	5	5	\$559	2	2	\$186	6	6	\$102	4	4	(\$84)
Civilian Pay and Benefits	Location	2	2	\$273	4	4	\$470	4	4	\$470	-	-	-
Training and Recruiting	Location	-	-	-	-	-	\$9	-	-	\$7	-	-	(\$2)
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	\$4,044	-	-	\$3,785	-	-	(\$259)
Centrally Managed Accounts	Location	-	-	-	-	-	\$11	-	-	\$11	-	-	-
Research and Development	Location	-	-	-	-	-	\$1,200	-	-	\$1,000	-	-	(\$200)
Operational Reimbursements	Source	-	-	\$121,829	-	-	-	-	-	-	-	-	-
Operations and Support	Location	-	-	\$121,829	-	-	-	-	-	-	-	-	-
Operating Funds and Unit Level Maintenance	Location	-	-	\$121,829	-	-	-	-	-	-	-	-	-
Department of Homeland Security - United States Coast Guard	Source	626	537	\$160,519	712	616	\$275,000	762	644	\$295,000	50	28	\$20,000
Funds	Location	626	537	\$160,519	712	616	\$275,000	762	644	\$295,000	50	28	\$20,000
Yard Fund	Location	626	537	\$95,375	712	616	\$150,000	762	644	\$170,000	50	28	\$20,000
Supply Fund	Location	-	-	\$65,144	-	-	\$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	-	-	\$500	-	-	\$200	-	-	\$500	-	-	\$300
Research and Development	Location	-	-	\$500	-	-	\$200	-	-	\$500	-	-	\$300
Other Defense Civil Programs - Selective Service System	Source	-	-	\$88	-	-	\$130	-	-	\$132	-	-	\$2
Operations and Support	Location	-	-	-	-	-	\$130	-	-	\$132	-	-	\$2
Reserve Training	Location	-	-	-	-	-	\$130	-	-	\$132	-	-	\$2
Reserve Training	Location	-	-	\$88	-	-	-	-	-	-	-	-	-

Department of Homeland Security

U.S. Coast Guard

Collections <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Change		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Justice - Department of Justice Source	2	2	\$337	-	-	-	-	-	-	-	-	-
Operations and Support Location	2	2	\$337	-	-	-	-	-	-	-	-	-
Military Pay and Allowances Location	2	2	\$337	-	-	-	-	-	-	-	-	-
Department of Labor - Department of Labor Source	-	-	-	2	2	\$384	2	2	\$382	-	-	(\$2)
Operations and Support Location	-	-	-	2	2	\$384	2	2	\$382	-	-	(\$2)
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	\$918	6	6	\$15,411	15	14	\$16,346	9	8	\$935
Operations and Support Location	5	5	\$918	6	6	\$15,411	15	14	\$16,346	9	8	\$935
Military Pay and Allowances Location	5	5	\$918	5	5	\$818	14	13	\$1,708	9	8	\$890
Civilian Pay and Benefits Location	-	-	-	1	1	\$178	1	1	\$178	-	-	-
Training and Recruiting Location	-	-	-	-	-	\$27	-	-	\$72	-	-	\$45
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	\$8,407	1	1	\$1,015	91	91	\$1,581	90	90	\$566
Operations and Support Location	83	68	\$8,407	1	1	\$1,015	91	91	\$1,581	90	90	\$566
Military Pay and Allowances Location	59	49	\$5,846	-	-	-	90	90	\$480	90	90	\$480
Civilian Pay and Benefits Location	24	19	\$2,561	1	1	\$187	1	1	\$187	-	-	-
Training and Recruiting Location	-	-	-	-	-	\$9	-	-	\$95	-	-	\$86
Operating Funds and Unit Level Maintenance Location	-	-	-	-	-	\$817	-	-	\$817	-	-	-
Centrally Managed Accounts Location	-	-	-	-	-	\$2	-	-	\$2	-	-	-
Department of Transportation - Department of Transportation Source	26	24	\$3,193	7	7	\$934	8	8	\$938	1	1	\$4
Operations and Support Location	26	24	\$3,193	7	7	\$934	8	8	\$938	1	1	\$4
Military Pay and Allowances Location	18	17	\$2,264	1	1	\$135	2	2	\$138	1	1	\$3

Department of Homeland Security

U.S. Coast Guard

Collections <i>(Dollars in Thousands)</i>		FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Change		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Civilian Pay and Benefits	Location	8	7	\$929	6	6	\$562	6	6	\$562	-	-	-
Training and Recruiting	Location	-	-	-	-	-	\$9	-	-	\$10	-	-	\$1
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	14	14	\$2,093	6	6	\$737
Operations and Support	Location	-	-	-	8	8	\$1,356	14	14	\$2,093	6	6	\$737
Military Pay and Allowances	Location	-	-	-	1	1	\$1,080	7	7	\$1,090	6	6	\$10
Civilian Pay and Benefits	Location	-	-	-	7	7	\$208	7	7	\$208	-	-	-
Training and Recruiting	Location	-	-	-	-	-	\$13	-	-	\$31	-	-	\$18
Operating Funds and Unit Level Maintenance	Location	-	-	-	-	-	\$40	-	-	\$749	-	-	\$709
Centrally Managed Accounts	Location	-	-	-	-	-	\$15	-	-	\$15	-	-	-
Total Collections		1,521	1,406	\$380,896	1,612	1,506	\$506,978	1,849	1,708	\$558,153	237	202	\$51,175

U.S. Coast Guard

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Operations and Support	48,677	47,181	\$3,900,166	\$82.44	50,141	48,541	\$4,446,657	\$91.38	50,805	49,174	\$4,441,088	\$90.08	664	633	(\$5,569)	(\$1.3)
Procurement, Construction, and Improvements	914	835	\$111,574	\$133.18	-	-	-	-	-	-	-	-	-	-	-	-
Research and Development	96	83	\$12,136	\$146.04	96	83	\$12,287	\$147.96	-	-	-	-	(96)	(83)	(\$12,287)	(\$147.96)
Environmental Compliance and Restoration	25	23	\$3,334	\$144.91	-	-	-	-	25	23	\$3,449	\$149.96	25	23	\$3,449	\$149.96
Reserve Training	416	409	\$94,361	\$229.81	-	-	-	-	-	-	-	-	-	-	-	-
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$204,136	-	-	-	-	-	-	-	\$205,107	-	-	-	\$205,107	-
Retired Pay	-	-	\$1,457,024	-	-	-	\$1,474,617	-	-	-	\$1,530,109	-	-	-	\$55,492	-
Boat Safety	19	19	\$2,786	\$146.63	19	19	\$2,804	\$147.58	19	19	\$2,860	\$150.53	-	-	\$56	\$2.95
Overseas Contingency Operations (OCO)/Global War on Terrorism	-	366	\$35,121	\$95.53	-	-	-	-	-	-	-	-	-	-	-	-
Total	50,147	48,916	\$5,820,638	\$88.98	50,256	48,643	\$5,936,365	\$91.5	50,849	49,216	\$6,182,613	\$94.42	593	573	\$246,248	\$2.92
Discretionary - Appropriation	50,128	48,531	\$4,325,707	\$88.9	50,237	48,624	\$4,458,944	\$91.48	50,830	49,197	\$4,649,644	\$94.28	593	573	\$190,700	\$2.8
Mandatory - Appropriation	19	19	\$1,459,810	\$146.63	19	19	\$1,477,421	\$147.58	19	19	\$1,532,969	\$446.11	-	-	\$55,548	\$298.53
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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$674,569	\$681,708	\$701,746	\$20,038
11.3 Other than Full-Time Permanent	\$4,432	\$4,603	\$4,603	-
11.5 Other Personnel Compensation	\$23,061	\$24,191	\$24,915	\$724
11.6 Military Personnel-Basic Allowance for Housing	\$840,343	\$860,141	\$895,185	\$35,044
11.7 Military Personnel	\$2,090,623	\$2,150,234	\$2,248,529	\$98,295
11.8 Special Personal Services Payments	\$7,455	\$7,381	\$7,718	\$337
12.1 Civilian Personnel Benefits	\$231,045	\$236,742	\$262,912	\$26,170
12.2 Military Personnel Benefits	\$488,279	\$493,137	\$508,900	\$15,763
13.0 Benefits for Former Personnel	\$1,460,831	\$1,478,228	\$1,528,105	\$49,877
Total - Personnel Compensation and Benefits	\$5,820,638	\$5,936,365	\$6,182,613	\$246,248
Positions and FTE				
Positions - Civilian	8,785	8,857	9,052	195
FTE - Civilian	7,737	7,780	7,945	165
Positions - Military	41,362	41,399	41,797	398
FTE - Military	41,179	40,863	41,271	408

U.S. Coast Guard Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Operations and Support	\$3,310,147	\$3,345,841	\$3,417,812	\$71,971
Procurement, Construction, and Improvements	\$2,583,171	\$1,886,750	\$1,234,656	(\$652,094)
Research and Development	\$17,005	\$6,822	\$4,949	(\$1,873)
Environmental Compliance and Restoration	\$10,063	-	\$10,046	\$10,046
Reserve Training	\$20,514	-	-	-
Retired Pay	\$219,093	\$260,227	\$272,200	\$11,973
Boat Safety	\$115,630	\$111,878	\$113,840	\$1,962
Maritime Oil Spill Program	\$101,000	\$101,000	\$101,000	-
Funds	\$2,864	\$2,864	\$2,864	-
Overseas Contingency Operations (OCO)/Global War on Terrorism	\$127,879	-	-	-
Total	\$6,507,366	\$5,715,382	\$5,157,367	(\$558,015)
Discretionary - Appropriation	\$5,940,900	\$5,239,413	\$4,667,463	(\$571,950)
Mandatory - Appropriation	\$438,587	\$475,969	\$489,904	\$13,935
Overseas Contingency Operations (OCO)	\$127,879	-	-	-

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$262,328	\$246,974	\$246,634	(\$340)
22.0 Transportation of Things	\$115,925	\$110,613	\$112,373	\$1,760
23.1 Rental Payments to GSA	\$56,523	\$57,340	\$64,550	\$7,210
23.2 Rental Payments to Others	\$33,911	\$32,549	\$32,856	\$307
23.3 Communications, Utilities, and Misc. Charges	\$161,504	\$164,031	\$160,590	(\$3,441)
24.0 Printing and Reproduction	\$3,167	\$3,540	\$3,543	\$3
25.1 Advisory and Assistance Services	\$272,467	\$218,923	\$298,627	\$79,704
25.2 Other Services from Non-Federal Sources	\$640,096	\$553,691	\$551,014	(\$2,677)
25.3 Other Goods and Services from Federal Sources	\$486,845	\$285,247	\$335,382	\$50,135
25.4 Operation and Maintenance of Facilities	\$210,883	\$210,085	\$217,771	\$7,686
25.5 Research and Development Contracts	\$2,715	\$952	\$1,255	\$303
25.6 Medical Care	\$571,194	\$607,863	\$595,873	(\$11,990)
25.7 Operation and Maintenance of Equipment	\$712,625	\$665,453	\$684,869	\$19,416
25.8 Subsistence & Support of Persons	\$5,813	\$3,985	\$4,157	\$172
26.0 Supplies and Materials	\$680,480	\$637,871	\$692,008	\$54,137
31.0 Equipment	\$2,022,481	\$1,654,133	\$865,489	(\$788,644)
32.0 Land and Structures	\$147,981	\$150,634	\$176,946	\$26,312
41.0 Grants, Subsidies, and Contributions	\$117,505	\$108,899	\$110,831	\$1,932
42.0 Insurance Claims and Indemnities	\$2,923	\$2,599	\$2,599	-
Total - Non Pay Object Classes	\$6,507,366	\$5,715,382	\$5,157,367	(\$558,015)

U.S. Coast Guard
Supplemental Budget Justification Exhibits

Working Capital Fund

Appropriation and PPA <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Operations and Support	\$78,745	\$70,842	\$64,436
Operating Funds and Unit Level Maintenance	\$7,354	\$4,401	\$4,401
Centrally Managed Accounts	\$70,091	\$65,042	\$58,636
Intermediate and Depot Level Maintenance	\$1,300	\$1,399	\$1,399
Total Working Capital Fund	\$78,745	\$70,842	\$64,436

U.S. Coast Guard

Status of Congressionally Requested Studies, Reports and Evaluations

Fiscal Year	Due Date	Reference/Citation	Requirement	Status
2018	February 16, 2018	FY 2018 DHS Appropriations Act (PL 115-141) & 14 USC 2902	Capital Investment Plan (FY2019-2023)	Delivered May 18, 2018
2018	April 13, 2018	FY 2018 DHS Appropriations Act (Pub. L. No. 115-141)	Boat Expenditure Plan	Delivered May 8, 2018
2018	April 20, 2018	FY 2018 DHS Appropriations Act (Pub. L. No. 115-141)	Minor Construction & Improvements Projects	Delivered November 8, 2018
2018	May 23, 2018	FY 2018 DHS Appropriations Act (Pub. L. No. 115-141)	Sexual Assaults: Expedited Transfer and Special Victims Counsel Program	Delivered June 21, 2018
2018	July 25, 2018	FY 2018 DHS Appropriations Act (Pub. L. No. 115-141)	Vessel Traffic Communications in Coastal Western Alaska	Delivered October 11, 2018
2018	July 25, 2018	FY 2018 DHS Appropriations Act (Pub. L. No. 115-141)	Bromine-Free Water Purification Systems	Delivered November 30, 2018
2018	August 16, 2018	FY 2018 DHS Appropriations Act (Pub. L. No. 115-141)	Electronic Health Records System Business Case Analysis	Delivered October 18, 2018
2019	September 6, 2018	FY 2018 DHS Appropriations Act (Pub. L. No. 115-141)	Bering Sea and Arctic Ocean Pollution Response	Delivered September 10, 2018
2020	President's Budget +60 Days	FY 2019 DHS Appropriations Act & 14 USC 2902	Capital Investment Plan (FY 2020-2024)	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	FY 2020 President's Budget
	Fiscal Year	Amount	Amount	Amount
Operating Expenses ¹	2018	\$7,210,313	\$7,210,313	\$7,858,900
Acquisition, Construction, and Improvements ²	2018	\$2,694,745	\$2,694,745	\$1,234,656
Reserve Training ³	2018	\$114,875	\$114,875	-
Environmental Compliance & Restoration	2018	\$13,397	\$13,397	\$13,495
Research, Development, Test, & Evaluation ⁴	2018	\$29,141	\$29,141	\$4,949
Total Direct Authorization/Appropriation	-	\$10,062,471	\$10,062,471	\$9,112,000

¹To transition the Coast Guard to CAS, the OE appropriation name changed to O&S in the FY 2019 President's Budget.

²To transition the Coast Guard to CAS, the AC&I appropriation name changed to PC&I in the FY 2019 President's Budget.

³To transition the Coast Guard to CAS, the RT appropriation was displayed as a PPA under the O&S appropriation in the FY 2019 President's Budget.

⁴To transition the Coast Guard to CAS, the RDT&E appropriation name changed to R&D in the FY 2019 President's Budget. In the FY 2020 President's Budget, R&D salaries and the Research & Development Center (RDC) GSA rent are included in the O&S appropriation.

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

For necessary expenses of the Coast Guard for operations and support, including [environmental compliance and restoration functions under chapter 19 of title 14, United States Code;]the Coast Guard Reserve, as authorized by law; 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; [\$7,792,498,000 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;] **[\$7,858,900,000;** 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]*Provided, That* not to exceed \$23,000 shall be for official reception and representation expenses.

Language Provision	Explanation
...[environmental compliance and restoration functions under chapter 19 of title 14, United States Code;]	Removes language from O&S appropriation. Language is included in the Environmental Compliance & Restoration (EC&R) appropriation.
...[purchase, lease, or improvements of other equipment (at a unit cost of no more than \$250,000)]	Removes language; provision is included in Section 530 of Consolidated Appropriations Act of 2018, DHS General Provisions.
...[minor shore construction projects not exceeding \$1,000,000 in total cost on any location]	Removes language; provision is included in Section 530 of Consolidated Appropriations Act of 2018, DHS General Provisions and allows for projects up to \$2,000,000.
...[\$7,792,498,000]...\$7,858,900,000	Dollar change only. No substantial change proposed.
...[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;]	Removes language from O&S appropriation. Language is included in the EC&R appropriation.
...[and of which] <i>Provided, That</i> ...	Adds language to align with FY 2019 Consolidated Appropriations Act.

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]*\$13,495,000*, to remain available until September 30, [2022]*2024*.

Language Provision	Explanation
...[\$13,397,000] <i>\$13,495,000</i>	Dollar change only. No substantial change proposed.
...[2022] <i>2024</i>	Fiscal year change only. No substantial change proposed. The FY 2019 Consolidated Appropriations Act provides a period of availability until September 30, 2023. The FY

	2020 request updates the period of availability until September 30, 2024. Given the length of time to execute EC&R projects, funding with less than five years of availability would likely prevent these projects from being completed.
...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.	Language removed from O&S appropriation in FY 2019 President's Budget and replaced as stand-alone appropriation as authorized in statute (14 U.S.C. § 692).

Procurement, Construction, and Improvements

For necessary expenses of the Coast Guard for procurement, construction, 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 maintenance, rehabilitation, lease, and operation of facilities and equipment; as authorized by law; \$1,166,750,000] *\$1,234,656,000 to remain available until September 30, 2024*; 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, 2023: \$823,750,000 to acquire, effect major repairs to, renovate, or improve vessels, small boats, and related equipment; \$148,000,000 to acquire, effect major repairs to, renovate, or improve aircraft and related equipment or increase aviation capability; \$60,000,000 for other acquisition programs and related equipment; and \$135,000,000 for shore facilities and aids to navigation, and related equipment, including facilities at Department of Defense installations used by the Coast Guard].

Language Provision	Explanation
...[and maintenance, rehabilitation, lease, and operation of facilities and equipment; as authorized by law;]	Language aligns with FY 2019 Senate and House Appropriation Committee draft spending bills.
...[\$1,166,750,000] <i>\$1,234,656,000 to remain available until September 30, 2024</i>	Dollar change and fiscal year change only. Given the length of time to execute major acquisition programs across the surface and aviation fleets, as well as shore infrastructure projects, funding with less than five years of availability would likely prevent these programs from being completed. Antecedent liability for vessel acquisitions also requires five year availability of funds.
...[; and of which the following amounts shall be available until September 30, 2023: \$823,750,000 to acquire, effect major repairs to, renovate, or improve vessels, small boats, and related equipment; \$148,000,000 to acquire, effect major repairs to, renovate, or improve aircraft and related equipment or increase aviation capability; \$60,000,000 for other acquisition programs and related equipment; and \$135,000,000 for shore facilities and aids to navigation, and related equipment, including facilities at Department of Defense installations used by the Coast Guard.]	Removes language that delineates funding by PPA. This adjustment aligns with recently enacted appropriations language and is consistent with the CAS appropriations structure.

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; \$19,109,000]~~\$4,949,000~~, to remain available until September 30, [2021]2022, 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
...[applied]	Removes language to align with FY 2019 Senate and House Appropriations Committee draft spending bills.
...[and for maintenance, rehabilitation, lease, and operation of facilities and equipment]	Removes language to reflect transfer of GSA rent funds to Operations & Support (O&S) appropriation to align with DHS Common Appropriation Structure (CAS).
...[as authorized by law]	Removes language to align with FY 2019 Senate and House Appropriations Committee draft spending bills.
...[\$19,109,000] \$4,949,000	Dollar change only. No substantial change proposed.
...[2021]2022	Fiscal year change only. Based on average time to identify and complete the scope of work for R&D projects, USCG requests three-year funding to align with FY 2019 Consolidated Appropriations Act.

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, *payment of continuation pay under section 356 of title 37 United States Code*, concurrent receipts, combat-related special compensation, and payments for medical care of retired personnel and their dependents under chapter 55 of title 10, United States Code, [\$1,734,844,000]~~\$1,802,309,000~~, to remain available until expended.

Language Provision	Explanation
...payment of continuation pay under section 356 of title 37 United States Code	Language aligns with FY2018 Coast Guard appropriation.
...[\$1,734,844,000] \$1,802,309,000	Dollar change only. No substantial change proposed.

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 185 projects with an estimated total cost of \$154.1M. 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 2020 EC&R funding of \$13.5M continues long term monitoring at 7 sites, begins or continues investigation/remediation site work at 24 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 (Dollars in Thousands)	City	State	Estimated Cost to Complete
Base Kodiak Cleanup Multiple Sites - RCRA Permit	Kodiak	AK	\$4,267
Base Kodiak - Site 3 Former Dry Cleaning/Laundry Facility - Chlorinated Volatile Organic Compounds Contaminated Groundwater	Kodiak	AK	\$6,301
Base Kodiak - Site 23 Former Power Plant - Petroleum and PCB Contaminated Groundwater	Kodiak	AK	\$3,431
Base Kodiak - Site 2 Former Navy Landfill – Multiple Contaminants/Multiple Media	Kodiak	AK	\$206
Base Kodiak - Building 28 - Multiple Soil Contaminants	Kodiak	AK	\$250
Air Station Traverse City - Asbestos Containing Material Clean-up	Traverse City	MI	\$396
LORAN Station Yap - Landfills - Polychlorinated Biphenyl Contaminated Soil and Sediments	State of Yap	Federated States of Micronesia	\$1,769
Base Ketchikan – Heavy Metals Contaminated Marine Sediments	Ketchikan	AK	\$792
TRACEN Petaluma Skeet Range - Lead Contaminated Soil	Petaluma	CA	\$ 9,297
Base Kodiak Upper Government Hill - Underground Storage Tank Release	Kodiak	AK	\$3,696
Base Kodiak - Air Station Site 10 and 11 - Jet Fuel Release	Kodiak	AK	\$3,149
Detachment Sandy Hook - Fuel Spill Release Super-Storm Sandy Response	Sandy Hook	NJ	\$ 55

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Station Montauk - Aboveground Storage Tank Release	Montauk	NY	\$711
Lighthouse - Alki Point Light Station - Lead Contaminated Soil	Alki Point	WA	\$179
Lighthouse - Farallon Island Light Station - Multiple Soil Contaminants	Farallon Island	CA	\$669
Base Elizabeth City - Building 77 Stripping Shop Release Site (Solid Waste Management Units 12/13/60) - Chlorinated Solvents Contaminated Ground Water	Elizabeth City	NC	\$947
Base Elizabeth City - Building 79 Electroplating Shop - Chlorinated Solvent Contaminated Groundwater	Elizabeth City	NC	\$1,274
Base Elizabeth City - North Beach Disposal Area (Solid Waste Management Units 28/56) - Volatile and Semivolatile Organic Compound Contaminated Soil and Groundwater	Elizabeth City	NC	\$1,770
Base Elizabeth City - Former Fuel Farm (Solid Waste Management Units 32/37/38) - Petroleum Contaminated Soil and Groundwater	Elizabeth City	NC	\$ 2,222
Base Elizabeth City - Building 75 (Solid Waste Management Unit 64) - Chlorinated Volatile Organic Compounds and Petroleum Hydrocarbon Contaminated Groundwater	Elizabeth City	NC	\$475
Base Elizabeth City - Former Waste Storage Area Building 87 (Solid Waste Management Unit 33) – Heavy Metals and Chlorinated Solvent Contaminated Groundwater	Elizabeth City	NC	\$1,118
Base Elizabeth City - Former Burn Area and Landfill (Solid Waste Management Unit 15) - Heavy Metals and Polyaromatic Hydrocarbons Contaminated Soil and Groundwater	Elizabeth City	NC	\$ 1,520
Base Seattle - Harbor Island Pier 36 - Contaminated Sediment	Seattle	WA	\$923
TRACEN Petaluma - Small Arms Firing Range - Lead Contaminated Soil	Petaluma	CA	\$203
LORAN Station Cocos Island - Polychlorinated Biphenyl, Pesticides, and Petroleum Contaminated Groundwater	Cocos Island	Guam	\$ 2,763
Lighthouse - Kauhola Point - Lead Contaminated Soil	Island of Hawaii	HI	\$108
Lighthouse - Point No Point Light Station - Petroleum and Lead Contaminated Soil	Puget Sound/Hansville	WA	\$149
TRACEN Petaluma - Small Arms Firing Range Side Berms - Lead Contaminated Soil	Petaluma	CA	\$138
TRACEN Petaluma - Small Arms Firing Range – Lead Contaminated Soil	Petaluma	CA	\$301
Base Cape Cod - Small Arms Firing Range - Lead Contaminated Soil	Buzzards Bay	MA	\$40
Air Station Annette Island - Multiple Locations/Various Contamination Sources	Metlakatla	AK	\$ 8,508
Base Kodiak - Lake Louise Housing Underground Storage Tank Release - Petroleum Contaminated Soil	Kodiak	AK	\$200
CG Yard - Site 7 Former Burn Pit - Multiple Contaminants in Groundwater and Soil	Baltimore	MD	\$279
Base Kodiak - Site 1 Former Landfill - Multiple Contaminants	Kodiak	AK	\$ 1,813
Base Kodiak - Site 7A Former Barrel Storage Area - Petroleum, Volatile Organic Compound, and Pesticides Contaminated Groundwater	Kodiak	AK	\$2,463
Base Kodiak - Site 32 Inner Woman's Bay - Polychlorinated Biphenyl and Polyaromatic Hydrocarbon Contaminated Marine Sediments	Kodiak	AK	\$499
Base Kodiak - Site 6B (Nyman Fuel Farm) - Petroleum Contaminated Soil and Groundwater	Kodiak	AK	\$1,472
CG Yard - Grove - Polychlorinated Biphenyl, Metals, and Chlorinated Organic Solvents Contaminated Soil	Baltimore	MD	\$87
Air Station Barbers Point - Polyaromatic Hydrocarbon and Polychlorinated Biphenyl Contaminated Soil	Oahu	HI	\$88
Station Pascagoula - Aboveground Storage Tank Release	Pascagoula	MS	\$357
Lighthouse - Point Bonita - Lead and Petroleum Contaminated Soil	Point Bonita	CA	\$347
Lighthouse - Point Loma Light Station - Lead Contaminated Soil	Point Loma	CA	\$190
Lighthouse - Point Montara - Lead and Petroleum Contaminated Soil	Point Montara	CA	\$184
Lighthouse - Point Vicente Light Station - Lead Contaminated Soil	Point Vicente	CA	\$69

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Lighthouse - Slip Point Light Station - Heavy Metals Contaminated Soil	Clallam, Bay	WA	\$73
Lighthouse - Umpqua River - Lead Contaminated Soil	Umpqua River/Winchester Bay	OR	\$118
Lighthouse - Cape Kumukahi Point - Lead Contaminated Soil	Island of Hawaii	HI	\$67
LORAN Station St. Paul - Multiple Contaminants in Soil and Groundwater	St. Paul Island	AK	\$10,507
Base Kodiak - Site 6A Motor Gas –Underground Storage Tank Release - Petroleum Contaminated Groundwater	Kodiak	AK	\$219
Mount Diablo Radio Station - Lead and Hydrocarbons Contaminated Soil	Contra Costa County	CA	\$1,428
Lighthouse Browns Point Light Station - Lead Contaminated Soil	Browns Point/Tacoma	WA	\$98
LORAN Station Ilio Point - Multiple Contaminants	Ilio Point	HI	\$215
Millers Island Aid to Navigation - Battery Clean-up	Garibaldi	OR	\$156
Lighthouse - Burrows Island Light Station - Lead Contaminated Soil	Burrows Island	WA	\$648
Base Elizabeth City - Main Gate Release (Solid Waste Management Unit 55) - Volatile and Semivolatile Organic Compounds and Heavy Metals Contaminated Groundwater	Elizabeth City	NC	\$20
Base Elizabeth City - Seaplane Pipeline Release Site (Solid Waste Management Unit 62) - Petroleum Contaminated Soil and Groundwater	Elizabeth City	NC	\$256
Station Sault Ste Marie – Multiple Contaminants and Media	Sault Ste Marie	MI	\$297
Lighthouse - Cape Henry - Lead Contaminated Soil	Virginia Beach	VA	\$212
Base Elizabeth City - Solid Waste Management Unit 58 - Jet Fuel Pipeline Release	Elizabeth City	NC	\$122
Lighthouse - Yerba Buena Island Light Station - Lead Contaminated Soil	Yerba Buena Island	CA	\$136
Yerba Buena Island - Underground Storage Tank Release	Yerba Buena Island	CA	\$769
Radar Station Point Higgins - Petroleum Hydrocarbons Contaminated Soil	Ketchikan	AK	\$ 760
TRACEN Petaluma - Building 115 (Site F-36) - Underground Storage Tank Release	Petaluma	CA	\$258
Lighthouse - Anclothe Key - Lead and Mercury Contaminated Soil and Groundwater	Anclothe Key/Anclothe River Tarpon Springs	FL	\$567
LORAN Station Ni'ihau - Potential Improper Waste Disposal	Ni'ihau	HI	\$210
LORAN Station Saipan - Improper Waste Disposal	Saipan	Northern Mariana Islands	\$89
Lighthouse - Point Wilson Fog/Signal Building - Heavy Metals Contaminated Soil	Point Wilson LH	WA	\$ 66
Lighthouse - Robinson Point Light Station - Lead and Petroleum Contaminated Soil	Robinson Point	WA	\$290
Air Station/Sector Field Office Port Angeles - Small Arms Firing Range - Lead Contaminated Soil	Port Angeles	WA	\$156
Cape Disappointment - Small Arms Firing Range – RCRA Investigation and Site Closeout	Ilwaco	WA	\$525
Majuro Atoll - Battery Site	Marshall Islands	Republic of the Marshall Islands	\$109
Lighthouse - Ned Point - Lead Contaminated Soil	Mattapoissett	MA	\$94
Lighthouse - Wood End - Lead Contaminated Soil	Provincetown/Cape Cod	MA	\$73
Aunuu Island - Battery Clean-up	Aunuu Island	American Samoa	\$55
LORAN Station Port Clarence - Petroleum and Heavy Metals Contaminated Soil and Debris	Port Clarence	AK	\$6,458
Cove Point Light Station - Lead and Petroleum Contaminated Soil	Lusby	MD	\$198
Lighthouse - Destruction Island - Multiple Soil Contaminants	Destruction Island	WA	\$1,546
Sector Guam - Improper Waste Disposal	Santa Rita	Guam	\$205

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Base Kodiak - Site 5 Fire Training Pit - Multiple Contaminants	Kodiak	AK	\$95
LORAN Station Sitkinak Island - Battery and Lead Contaminated Soil	Sitkinak Island	AK	\$925
LORAN Station Kure – Polychlorinated Biphenyl Contaminated Soil	Kure Atoll	HI	\$426
LORAN Station Ulithi - Asbestos Containing Materials and Lead Based Paint Contamination	Ulithi Atoll/Yap	Federated States of Micronesia	\$3,994
Base Kodiak - Small Arms Firing Range - Lead Contaminated Soil	Kodiak	AK	\$565
Base Milwaukee - Underground Storage Tank Release - Petroleum Contaminated Soil and Groundwater	Milwaukee	WI	\$1,156
Group Cape Hatteras - Former Sanitary Leach Field/Family Housing - Multiple Contaminants in Soil and Groundwater	Buxton	NC	\$1,583
Lighthouse - Poverty Island - Heavy Metals and Polyaromatic Hydrocarbon Contaminated Soil	Poverty Island	MI	\$718
Station Beach Haven - Underground Storage Tank Release	Beach Haven	NJ	\$51
Station Oak Island - Underground Storage Tank Release	Oak Island	NC	\$110
Station Sheboygan - Lead Contaminated Soil	Sheboygan	WI	\$41
LORAN Station Middletown - Small Arms Firing Range	Middletown	CA	\$231
Novato Spanish Style Duplexes - Lead Contaminated Soil	Novato	Ca	\$156
Lighthouse - Cape Flattery - Heavy Metals, Petroleum, and Polyaromatic Hydrocarbon Contaminated Soil	Cape Flattery	WA	\$919
Lighthouse - Lime Point Light Station - Petroleum and lead Contaminated Soil	Lime Point	CA	\$103
Lighthouse - Cape Blanco Light Station - Lead Contaminated Soil	Cape Blanco	OR	\$81
Lighthouse - East Brother - Lead Contaminated Soil	East Brother	CA	\$ 176
Lighthouse - New Dungeness - Heavy Metals and Polychlorinated Biphenyl Contaminated Soil	New Dungeness	WA	\$700
Lighthouse - Turn Point - Lead and Petroleum Contaminated Soil and Heavy Metal Contaminated Cistern Water	Turn Point	WA	\$848
Lighthouse - Dry Tortugas - Lead Contaminated Soil	Key West	FL	\$ 272
Station Rochester - Underground Storage Tank Release	Rochester	NY	\$105
CG Yard - Site 9 Bilge Spoils (Lot 23) - Polyaromatic Hydrocarbons and Heavy Metals Contaminated Soil	Baltimore	MD	\$22
LORAN Station Attu - Multiple Contaminants/Various Locations	Attu Island	AK	\$15,747
Marine Safety Unit Valdez - Underground Storage Tank Release	Valdez	AK	\$408
LORAN Station Tok - Petroleum Contaminated Soil and Groundwater	Tok	AK	\$418
LORAN Support Unit Wildwood - Semivolatile Organic Compounds Contaminated Soil	Wildwood	NJ	\$155
Lighthouse - Watch Hill - Lead Contaminated Soil	Watch Hill	RI	\$ 245
Lighthouse - East Chop - Lead Contaminated Soil	Oak Bluffs/Martha's Vineyard	MA	\$312
Lighthouse - Isle La Motte - Lead Contaminated Soil	Isle La Motte	VT	\$168
Lighthouse - Long Island Head - Lead Contaminated Soil	Long Island Head	MA	\$ 478
Lighthouse - Long Point - Lead Contaminated Soil	Provincetown Harbor	MA	\$ 239
Lighthouse - Marblehead - Lead Contaminated Soil	Marblehead	MA	\$226
Lighthouse - Perkins Island - Lead Contaminated Soil	Perkins Island	ME	\$ 482
Lighthouse - Race Point - Lead Contaminated Soil	Race Point	MA	\$ 233
Lighthouse - Split Rock Point - Lead Contaminated Soil	Lake Champlain	NY	\$227
Lighthouse - Tarpaulin Cove - Lead Contaminated Soil	Tarpaulin Cove	MA	\$454
Lighthouse - Valcour Bluff Point - Lead Contaminated Soil	Valcour Island	NY	\$320

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Lighthouse - West Chop - Lead Contaminated Soil	Vineyard Haven Harbor/Martha's Vineyard	MA	\$ 1,131
Lighthouse - Windmill Point - Lead Contaminated Soil	Alburg	VT	\$ 189
Lighthouse - Wood Island - Lead Contaminated Soil	Wood Island	ME	\$1,125
Lighthouse - Beavertail - Lead Contaminated Soil	Jamestown	RI	\$123
Site Akhiok, Alaska (Kodiak Island) - Diesel Fuel Release	Akhiok	AK	\$59
Base Elizabeth City - Former Navy Dispensary and Barracks Site - Petroleum Contaminated Groundwater	Elizabeth City	NC	\$628
Lighthouse - Guard Island - Petroleum and Lead Contaminated Soil	Tongass Narrows/Clarence Strait Ketchikan	AK	\$729
Lighthouse - Tree Point Light Station - Lead, Heavy Metals and Petroleum Contaminated Soil	Revillagigedo	AK	\$1,680
Lighthouse - Eldred Rock - Lead Contaminated Soil	Lynn Canal/ Haines	AK	\$607
LORAN Station Shoal Cove - Petroleum Contaminated Soil	Shoal Cove	AK	\$2,333
LORAN Station Biorka Island - Petroleum Contaminated Soil	Biorka Island/Sitka	AK	\$1,044
Lighthouse - Little Sand Island - Multiple Contaminants/ Various Locations	Little Sand	AL	\$263
Communication Station New Orleans - Small Arms Firing Range - Lead Contaminated Soil	New Orleans	LA	\$543
Base Seattle - Shore Operations Building Area - Petroleum and Solvent Contaminated Soil and Groundwater	Seattle	WA	\$166
Communications Station Pungo - Underground Storage Tank	Virginia Beach	VA	\$96
Lighthouse - Point Diablo - Lead Contaminated Soil	Point Diablo	CA	\$92
Lighthouse - Point Conception Light Station - Lead Contaminated Soil	Point Conception	CA	\$130
Governors Island - Petroleum Contaminated Soil and Groundwater	Governors Island	NY	\$ 51
Station Gloucester - Heavy Metals Contaminated Soil	Gloucester	MA	\$43
Station Jones Beach - Boat Maintenance Facility - Petroleum Contaminated Soil and Groundwater	Freeport	NY	\$37
Lighthouse - Fairway Island - Heavy Metals Contaminated Soil	Fairway Island	AK	\$860
LORAN Station Cape Sarichef - Lead and Petroleum Contaminated Soil	Cape Sarichef	AK	\$2,928
Lighthouse - Lincoln Island - Lead Contaminated Soil	Lincoln Island	AK	\$489
Sector Field Office Cape Hatteras - Aboveground Storage Tank Release	Cape Hatteras	NC	\$81
Lighthouse - Alcatraz Light Station - Heavy Metals Contaminated Soil	Alcatraz Island	CA	\$197
Lighthouse - Bakers Island Light Engine House Parcel - Lead Contaminated Soil	Salem	MA	\$51
Lighthouse - Cape Spencer - Petroleum and Lead Contaminated Soil	Cape Spencer/Cross Sound-Icy Strait	AK	\$447
Lighthouse - Egmont Key - Contaminated Groundwater	Egmont Key Island/Tampa Bay	FL	\$60
Sector Mobile - Building 124A - Petroleum Contaminated Groundwater	Mobile	AL	\$53
Lighthouse - Nawiliwili Harbor - Lead Contaminated Soil	Island of Kauai	HI	\$54
Lighthouse - Mary Island - Lead and Petroleum Contaminated Soil	Mary Island/Revillagigedo Channel	AK	\$535
LORAN Station Nantucket - Housing - Heating Oil Leak	Nantucket	MA	\$54
Base Ketchikan - Small Arms Firing Range - Lead Contaminated Soil	Ketchikan	AK	\$758
Base Portsmouth - Small Arms Firing Range - Lead Contaminated Soil	Portsmouth	VA	\$254
TRACEN Cape May - Small Arms Firing Range - Lead Contaminated Soil	Cape May	NJ	\$1,622
TRACEN Yorktown - Small Arms Firing Range - Lead Contaminated Soil	Yorktown	VA	\$285

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Station Port Angeles - Underground Storage Tank Release - Petroleum Contaminated Groundwater	Port Angeles	WA	\$80
LORAN Station Kodiak - Narrow Cape - Petroleum Contaminated Soil and Groundwater	Kodiak	AK	\$320
Lighthouse - Sentinel Island - Lead and Petroleum Contaminated Soil	Sentinel Island/Lynn Canal	AK	\$59
Lighthouse - Five Finger Islands - Lead Contaminated Soil	Five Finger Islands/Frederick Sound	AK	\$70
Station Venice - Oil Water Separator and Associated Used Oil Tank – Petroleum Contaminated Soil and Groundwater	Venice	LA	\$68
Lighthouse - Point Retreat - Lead and Petroleum Contaminated Soil	Admiralty Island	AK	\$59
Lighthouse - Cape Decision - Lead Contaminated Soil	Kuiu Island/Sumner Strait	AK	\$70
Lighthouse - Cape St. Elias Light Station - Petroleum Contaminated Soil	Kayak Island	AK	\$651
Lighthouse - Cape Hinchinbrook - Heavy Metals, Polychlorinated Biphenyl, and Petroleum Contaminated Soil	Hinchinbrook Island, Prince William Sound	AK	\$703
Aid to Navigation - Sledge Island - Site Remediation Debris Clean-up	Sledge Island	AK	\$198
Lighthouse - Scotch Cap - Debris Clean-up and Petroleum Contaminated Soil	Unimak Island	AK	\$2,597
Base Miami Beach - Underground Storage Tank Release	Miami Beach	FL	\$40
Air Station Clearwater - Fuel Handling Hydrant #3 - Petroleum Contaminated Soil and Groundwater	Clearwater	FL	\$65
Air Station Clearwater - Tennis Court Former Burn Pit - Contaminated Soil	Clearwater	FL	\$106
Aid to Navigation Point Crowley - Lead Contaminated Soil	Kuiu Island	AK	\$114
LORAN Station Ocean Cape – Multiple Contaminants	Yakutat	AK	\$475
Coast Guard Academy – Shipyard Parcel 1 – Heavy Metals and Petroleum Contaminated Soil	New London	CT	\$111
Lighthouse - Passage Island Light Station - Lead Contaminated Soil	Keweenaw	MI	\$1,318
TRACEN Cape May - Auxiliary Operations Building - Lead Contaminated Soil	Cape May	NJ	\$37
Lighthouse - Palaoa Point - Lead Contaminated Soil	Island of Lanai	HI	\$51
Lighthouse - Menagerie Island Light Station - Petroleum and Lead Contaminated Soil and Battery Clean-up	Menagerie Island/Lake Superior	MI	\$29
Lighthouse - Cape Charles – Lead Contaminated Soil	Cape Charles	VA	\$269
LORAN Station Malone - Lead Contaminated Soil	Malone	FL	\$45
Communications Station Miami - Small Arms Firing Range - Lead Contaminated Soil	Miami	FL	\$ 93
Station Galveston - Small Arms Firing Range - Lead Contaminated Soil	Galveston	TX	\$165
CGC SMILAX Moorings - Lead Contaminated Soil and Petroleum Contaminated Soil and Groundwater	Jacksonville	FL	\$66
Lighthouse - Náp'opo'o Lighthouse - Lead Contaminated Soil	Island of Hawaii	HI	\$71
Lighthouse - Pauwela Point - Lead Contaminated Soil	Island of Maui	HI	\$51
Lighthouse - Lā au Point - Lead Contaminated Soil	Island of Molokai	HI	\$ 60
Station Manasquan - Lead Contaminated Soil	Point Pleasant	NJ	\$28
Aviation Support Facility Cordova - Petroleum Contaminated Soil	Cordova	AK	\$36
Lighthouse - Hanapepe Point - Lead Contaminated Soil	Island of Kauai	HI	\$50
Station Tillamook Bay - Petroleum Contaminated Soil and Groundwater	Tillamook	OR	\$34
Air Station Astoria - Underground Storage Tank Release - Petroleum Contaminated Soil and Groundwater	Astoria	OR	\$16
Total Estimated to Complete			\$154,066

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Operations and Support



**Fiscal Year 2020
Congressional Justification**

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Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Military Pay and Allowances	40,593	40,060	\$3,716,444	41,054	40,514	\$3,851,095	41,463	40,934	\$3,996,812	409	420	\$145,717
Civilian Pay and Benefits	8,084	7,121	\$847,678	8,646	7,595	\$929,385	8,920	7,828	\$986,429	274	233	\$57,044
Training and Recruiting	-	-	\$191,015	-	-	\$187,991	-	-	\$194,930	-	-	\$6,939
Operating Funds and Unit Level Maintenance	-	-	\$897,171	-	-	\$907,894	-	-	\$927,674	-	-	\$19,780
Centrally Managed Accounts	-	-	\$142,788	-	-	\$143,641	-	-	\$150,236	-	-	\$6,595
Intermediate and Depot Level Maintenance	-	-	\$1,415,217	-	-	\$1,442,048	-	-	\$1,478,270	-	-	\$36,222
Reserve Training	-	-	-	416	409	\$117,655	422	412	\$124,549	6	3	\$6,894
Environmental Compliance and Restoration	-	-	-	25	23	\$13,429	-	-	-	(25)	(23)	(\$13,429)
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	-	-	-	\$199,360	-	-	-	-	-	(\$199,360)
Total	48,677	47,181	\$7,210,313	50,141	48,541	\$7,792,498	50,805	49,174	\$7,858,900	664	633	\$66,402
Subtotal Discretionary - Appropriation	48,677	47,181	\$7,210,313	50,141	48,541	\$7,792,498	50,805	49,174	\$7,858,900	664	633	\$66,402

*In FY 2019, USCG transitioned to the DHS Common Appropriations Structure (CAS). FY 2018 data reflects funding levels for legacy appropriations. FY 2020 data reflects the transfer of EC&R and MERHCFC out of O&S back into stand-alone appropriations.

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 2019 initiatives; the FY 2019 military pay increase of 2.6%; the FY 2020 military pay increase of 3.1%; 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), Offshore Patrol Cutter (OPC), National Security Cutter (NSC), C-27J aircraft, and HC-130J aircraft); and the training, operation, and administration of the Coast Guard Reserve Program, including training, equipping, and ensuring the readiness of the Coast Guard Reserve workforce

to augment active duty Coast Guard forces during times of crisis, domestically or worldwide. The O&S request also funds initiatives that begin to address the erosion of readiness and invest in key national strategic homeland security priorities, including cybersecurity and efforts to combat transnational criminal organizations (TCOs). The O&S request includes decreases to continue the focus on the most critical frontline operations in FY 2020. The O&S request includes decreases for: termination of one-time costs; annualization of prior-year initiative reductions; operational adjustments; and cutter decommissioning's.

Within the O&S appropriation are seven PPAs:

Military Pay and Allowances: The Military Pay and Allowances PPA funds expenses related to compensation and benefits for active duty military personnel.

Civilian Pay and Benefits: The Civilian Pay and Benefits PPA funds expenses related to compensation and entitlements for Federal civilian employees.

Training and Recruiting: 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.

Operating Funds and Unit Level Maintenance: 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, Atlantic Area Commander, and Pacific Area Commander.

Centrally Managed Accounts: The Centrally Managed Accounts PPA funds services provided across the entire Coast Guard.

Intermediate and Depot Level Maintenance: 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, Computer, and Information Technology (C4IT) systems.

Reserve Training: 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.

Funding for EC&R and MERHCFC is requested in stand-alone appropriations for the FY 2020 President's Budget via a transfer out of the O&S appropriation and into stand-alone appropriations. In the FY 2019 President's Budget, funding for EC&R and MERHCFC was requested and displayed as PPAs in the O&S appropriation.

Operations and Support Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$7,210,313	\$7,792,498	\$7,858,900
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$14,745	\$65,785	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	(\$20,500)	-	-
Supplementals	\$112,136	-	-
Total Budget Authority	\$7,316,694	\$7,858,283	\$7,858,900
Collections – Reimbursable Resources	\$217,631	\$228,028	\$258,853
Total Budget Resources	\$7,534,325	\$8,086,311	\$8,117,753
Obligations (Actual/Estimates/Projections)	\$7,487,550	\$8,067,301	\$8,117,753
Personnel: Positions and FTE			
Enacted/Request Positions	48,677	50,141	50,805
Enacted/Request FTE	47,181	48,541	49,174
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	48,094	51,041	51,892
FTE (Actual/Estimates/Projections)	47,774	49,431	50,238

Operations and Support Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture Source	-	-	-	11	7	\$838	4	2	\$258
Department of Commerce - Department of Commerce Source	8	8	\$1,233	8	8	\$2,628	10	10	\$2,652
Department of Defense - Department of Defense Source	610	607	\$63,171	601	601	\$139,246	593	579	\$117,641
Department of Health and Human Services - Department Wide Source	-	-	-	17	13	\$1,146	22	16	\$944
Department of Homeland Security - Department of Homeland Security Source	123	123	\$14,975	224	222	\$42,880	308	308	\$40,990
Department of Homeland Security - Federal Emergency Management Agency Source	-	-	\$18	-	-	-	-	-	\$53,011
Other Anticipated Reimbursables Source	31	25	\$2,718	9	9	\$17,340	10	10	\$17,510
Independent Agency - Environmental Protection Agency Source	7	7	\$832	6	6	\$4,720	10	10	\$4,375
Operational Reimbursements Source	-	-	\$121,829	-	-	-	-	-	-
Other Defense Civil Programs - Selective Service System Source	-	-	-	-	-	\$130	-	-	\$132
Department of Justice - Department of Justice Source	2	2	\$337	-	-	-	-	-	-
Department of Labor - Department of Labor Source	-	-	-	2	2	\$384	2	2	\$382
Department of State - Department of State Source	5	5	\$918	6	6	\$15,411	15	14	\$16,346
Department of Treasury - Department of the Treasury Source	83	68	\$8,407	1	1	\$1,015	91	91	\$1,581
Department of Transportation - Department of Transportation Source	26	24	\$3,193	7	7	\$934	8	8	\$938
Office of Director of National Intelligence Source	-	-	-	8	8	\$1,356	14	14	\$2,093
Total Collections	895	869	\$217,631	900	890	\$228,028	1,087	1,064	\$258,853

Operations and Support Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2018 Enacted	48,677	47,181	\$7,210,313
FY 2019 President's Budget	50,141	48,541	\$7,792,498
FY 2020 Base Budget	50,141	48,541	\$7,792,498
Transfer to EC&R from O&S/EC&R for CAS Transition	(25)	(23)	(\$13,429)
Transfer to MERHCFC from O&S/MERHCFC for CAS Transition	-	-	(\$199,360)
Transfer to MGMT/CFO from USCG for Bankcard Program	-	-	(\$3)
Transfer to MGMT/CFO from USCG for Integrated Audit	-	-	(\$3,343)
Transfer to MGMT/CFO from USCG for TIER	-	-	(\$105)
Transfer to MGMT/CIO from USCG for CPIC	-	-	(\$942)
Transfer to MGMT/CPO from USCG for CPO Shared Reporting	-	-	(\$548)
Transfer to MGMT/OCHCO from USCG for Medical Case Management	-	-	(\$16)
Transfer to MGMT/OCRSO from USCG for Field Efficiencies	-	-	(\$443)
Transfer to MGMT/OCRSO from USCG for Integrated Security Management System	-	-	(\$216)
Transfer to MGMT/OCRSO from USCG for Medical St. Elizabeths Shuttle	-	-	(\$1,624)
Transfer to O&S/Personnel & Lease Shift from R&D	96	83	\$14,397
Total Transfers	71	60	(\$205,632)
Annualization of Prior Year Initiatives	-	259	\$50,488
Annualization of Prior Year Pay Raise - Military	-	-	\$15,486
Budget Year Allowances - Civilian	-	-	\$3,794
Budget Year Allowances - Military	-	-	\$26,966
Budget Year Pay Raise - Military	-	-	\$55,505
FERS Agency Contribution	-	-	\$15,711
GSA Rent and Security Increases	-	-	\$6,711
Transfer	24	12	-
Total, Pricing Increases	24	271	\$174,661
Annualization of Prior Year Initiative Reductions	-	(56)	(\$17,007)
Termination of Prior Year One-Time Costs	-	-	(\$32,093)
Total, Pricing Decreases	-	(56)	(\$49,100)
Total Adjustments-to-Base	95	275	(\$80,071)
FY 2020 Current Services	50,236	48,816	\$7,712,427

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Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
Accession Point and TRACEN Instructor Increase	19	10	\$2,101
Acquisition Support Personnel	60	32	\$5,459
Aircraft FAA Compliance & Obsolete Equipment Replacement	-	-	\$22,210
Aviation Enhancements in Transit Zones	17	9	\$1,475
C-27J Aircraft Support Follow-On	4	3	\$592
Counter TCO Initiatives	48	26	\$6,531
Cutter Underway Connectivity	-	-	\$302
Cyber Security and IT Infrastructure	75	38	\$16,181
Enhancing Reserve Workforce Retention	-	-	\$2,700
Fast Response Cutter (FRC) Follow-On	181	112	\$24,254
HC-130J Aircraft Follow-On	40	37	\$8,056
Human Capital and Support Infrastructure	31	22	\$16,779
Increase Counterintelligence Infrastructure	5	3	\$1,100
Increase Counterintelligence Personnel and Mission Support	1	-	\$71
Maritime Safety, Security, and Commerce	27	20	\$6,197
MILSATCOM Obsolete Equipment Replacement	-	-	\$6,871
National Security Cutter (NSC) Follow-On	199	110	\$14,446
Offshore Patrol Cutter (OPC) Follow-On	52	31	\$6,166
Rescue & Survival and Training Equipment Refresh	-	-	\$6,276
Restoring Depot Readiness	-	-	\$9,952
Shore Facility Follow-On	6	4	\$5,314
Total, Program Increases	765	457	\$163,033
Administrative Program Reductions	(1)	(1)	(\$582)
Aviation Life Support Equipment Centralization	1	1	(\$49)
Decommission One High Endurance Cutter (WHEC)	(184)	(92)	(\$9,273)
Decommission Three 110-Foot Patrol Boats	(54)	(27)	(\$2,575)
Eliminate Joint Maritime Test Facility Personnel	(4)	(4)	(\$408)
Information Technology Streamlining	46	24	(\$3,673)
Total, Program Decreases	(196)	(99)	(\$16,560)
FY 2020 Request	50,805	49,174	\$7,858,900
FY 2019 To FY 2020 Change	664	633	\$66,402

Operations and Support Justification of Transfers

Transfers <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Transfer 1 - Transfer to EC&R from O&S/EC&R for CAS Transition	(25)	(23)	(\$13,429)
Environmental Compliance and Restoration	(25)	(23)	(\$13,429)
Transfer 2 - Transfer to MERHCFC from O&S/MERHCFC for CAS Transition	-	-	(\$199,360)
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	(\$199,360)
Transfer 3 - Transfer to MGMT/CFO from USCG for Bankcard Program	-	-	(\$3)
Operating Funds and Unit Level Maintenance	-	-	(\$3)
Transfer 4 - Transfer to MGMT/CFO from USCG for Integrated Audit	-	-	(\$3,343)
Operating Funds and Unit Level Maintenance	-	-	(\$3,343)
Transfer 5 - Transfer to MGMT/CFO from USCG for TIER	-	-	(\$105)
Operating Funds and Unit Level Maintenance	-	-	(\$105)
Transfer 6 - Transfer to MGMT/CIO from USCG for CPIC	-	-	(\$942)
Centrally Managed Accounts	-	-	(\$942)
Transfer 7 - Transfer to MGMT/CPO from USCG for CPO Shared Reporting	-	-	(\$548)
Centrally Managed Accounts	-	-	(\$548)
Transfer 8 - Transfer to MGMT/OCHCO from USCG for Medical Case Management	-	-	(\$16)
Operating Funds and Unit Level Maintenance	-	-	(\$16)
Transfer 9 - Transfer to MGMT/OCRSO from USCG for Field Efficiencies	-	-	(\$443)
Centrally Managed Accounts	-	-	(\$443)
Transfer 10 - Transfer to MGMT/OCRSO from USCG for Integrated Security Management System	-	-	(\$216)
Operating Funds and Unit Level Maintenance	-	-	(\$216)
Transfer 11 - Transfer to MGMT/OCRSO from USCG for Medical St. Elizabeths Shuttle	-	-	(\$1,624)
Operating Funds and Unit Level Maintenance	-	-	(\$1,624)
Transfer 12 - Transfer to O&S/Personnel & Lease Shift from R&D	96	83	\$14,397
Military Pay and Allowances	17	15	\$2,379
Civilian Pay and Benefits	79	68	\$10,360
Training and Recruiting	-	-	\$152
Centrally Managed Accounts	-	-	\$1,306
Intermediate and Depot Level Maintenance	-	-	\$200
Total Transfers	71	60	(\$205,632)

Transfer 1 – Transfer to EC&R from O&S/EC&R for CAS Transition: Transfers FY 2019 base funding out of O&S into the EC&R appropriation to reflect changes to the proposed CAS transition from FY 2019. The FY 2019 Senate and House Appropriation Committee marks move EC&R out of O&S back into a stand-alone appropriation. The FY 2020 President’s Budget submission incorporates this change.

Transfer 2 – Transfer to MERHCFC from O&S/MERHCFC for CAS Transition: Transfers FY 2019 base funding out of O&S into the MERHCFC appropriation to reflect changes to the proposed CAS transition from FY 2019. The *FY 2019 Consolidated Appropriations Act* removed MERHCFC from O&S due to existing appropriations law (e.g., P.L. 108-375, the 2005 Defense Appropriations Act) which provides authority to pay on an annual basis. The FY 2020 President’s Budget submission incorporates this change.

Transfer 3 – Transfer to MGMT/CFO from USCG for Bankcard Program: Removed from the Working Capital Fund in FY 2020 and funding will be permanently transferred, including outyear costs, to MGMT. Funds are transferred from the Operating Funds and Unit Level Maintenance PPA.

Transfer 4 – Transfer to MGMT/CFO from USCG for Integrated Audit: Removed from the Working Capital Fund in FY 2020 and funding will be permanently transferred, including outyear costs, to MGMT. Funds are transferred from the Operating Funds and Unit Level Maintenance PPA.

Transfer 5 - Transfer to MGMT/CFO from USCG for Treasury Information Executive Repository (TIER): Removed from the Working Capital Fund in FY 2020 and funding will be permanently transferred, including outyear costs, to MGMT. Funds are transferred from the Operating Funds and Unit Level Maintenance PPA.

Transfer 6– Transfer to MGMT/CIO from USCG for Capital Planning & Investment Control (CPIC): Removed from the Working Capital Fund in FY 2020 and funding will be permanently transferred, including outyear costs, to MGMT. Funds are transferred from the Centrally Managed Accounts PPA.

Transfer 7 – Transfer to MGMT/CPO from USCG for CPO Shared Reporting: Removed from the Working Capital Fund in FY 2020 and funding will be permanently transferred, including outyear costs, to MGMT. Funds are transferred from the Centrally Managed Accounts PPA.

Transfer 8 – Transfer to MGMT/OCHCO from USCG for Medical Case Management: Currently funded by Components through Interagency Agreements (IAAs). This consolidates funds into MGMT base. Funding will be permanently transferred, including outyear costs. Funds are transferred from the Operating Funds and Unit Level Maintenance PPA.

Transfer 9 – Transfer to MGMT/OCRSO from USCG for Field Efficiencies: Currently funded by Components through IAAs. This consolidates funds into MGMT base. Funding will be permanently transferred, including outyear costs. Funds are transferred from the Centrally Managed Accounts PPA.

Transfer 10 – Transfer to MGMT/OCRSO from USCG for Integrated Security Management System (ISMS): Currently funded by Components through IAAs. This consolidates funds into MGMT base. Funding will be permanently transferred, including outyear costs. Funds are transferred from the Operating Funds and Unit Level Maintenance PPA.

Transfer 11 – Transfer to MGMT/OCRSO from USCG for St. Elizabeths Shuttle: Currently funded through an IAA between USCG and OCRSO. Due to DHS HQ offices planned move to St. Elizabeths, this consolidates funds into MGMT base. Funding will be permanently transferred, including outyear costs. Funds are transferred from the Operating Funds and Unit Level Maintenance PPA.

Transfer 12 – Transfer to O&S/Personnel & Lease Shift from R&D: Transfers FY 2019 base funding out of the Research & Development (R&D) appropriation into O&S all R&D personnel salaries and benefits as well as GSA rent payments for the Research and Development Center (RDC) in Groton, Connecticut to align with DHS Common Appropriation Structure (CAS).

Operations and Support Justification of Pricing Changes

Pricing Changes (Dollars in Thousands)	FY 2020 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Annualization of Prior Year Initiative Reductions	-	(56)	(\$17,007)
Military Pay and Allowances	-	(56)	(\$5,756)
Training and Recruiting	-	-	(\$893)
Operating Funds and Unit Level Maintenance	-	-	(\$3,493)
Centrally Managed Accounts	-	-	(\$40)
Intermediate and Depot Level Maintenance	-	-	(\$6,825)
Pricing Change 2 - Annualization of Prior Year Initiatives	-	259	\$50,488
Military Pay and Allowances	-	208	\$19,256
Civilian Pay and Benefits	-	51	\$6,851
Training and Recruiting	-	-	\$1,297
Operating Funds and Unit Level Maintenance	-	-	\$8,557
Centrally Managed Accounts	-	-	\$47
Intermediate and Depot Level Maintenance	-	-	\$14,480
Pricing Change 3 - Annualization of Prior Year Pay Raise - Military	-	-	\$15,486
Military Pay and Allowances	-	-	\$14,965
Reserve Training	-	-	\$521
Pricing Change 4 - Budget Year Allowances - Civilian	-	-	\$3,794
Civilian Pay and Benefits	-	-	\$3,753
Reserve Training	-	-	\$41
Pricing Change 5 - Budget Year Allowances - Military	-	-	\$26,966
Military Pay and Allowances	-	-	\$26,585
Reserve Training	-	-	\$381
Pricing Change 6 - Budget Year Pay Raise - Military	-	-	\$55,505
Military Pay and Allowances	-	-	\$53,706
Reserve Training	-	-	\$1,799
Pricing Change 7 - FERS Agency Contribution	-	-	\$15,711
Civilian Pay and Benefits	-	-	\$15,615
Reserve Training	-	-	\$96
Pricing Change 8 - GSA Rent and Security Increases	-	-	\$6,711

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Pricing Changes (Dollars in Thousands)	FY 2020 President's Budget		
	Positions	FTE	Amount
Centrally Managed Accounts	-	-	\$6,711
Pricing Change 9 - Termination of Prior Year One-Time Costs	-	-	(\$32,093)
Military Pay and Allowances	-	-	(\$1,250)
Training and Recruiting	-	-	(\$805)
Operating Funds and Unit Level Maintenance	-	-	(\$3,288)
Centrally Managed Accounts	-	-	(\$58)
Intermediate and Depot Level Maintenance	-	-	(\$26,692)
Pricing Change 10 - Transfer	24	12	-
Military Pay and Allowances	12	6	\$700
Civilian Pay and Benefits	12	6	\$942
Training and Recruiting	-	-	\$28
Operating Funds and Unit Level Maintenance	-	-	(\$1,747)
Intermediate and Depot Level Maintenance	-	-	\$77
Total Pricing Changes	24	215	\$125,561

Pricing Change 1 – Annualization of Prior Year Initiative Reductions: Reflects FY 2020 savings associated with part-year reductions from asset decommissionings and programmatic reductions in FY 2019. This includes the decommissioning of HC-130Hs and elimination of the Crew Rotation Concept Pilot Program.

Annualization of FY 2019 Initiative Reductions (Dollars in Thousands)	Positions	FTE	Amount
Elimination of Crew Rotation Concept Pilot Program	-	-	-\$515
Four HC-130H Aircraft - Planned	-	(56)	-\$16,492
Total Annualization of FY 2019 Initiative Reductions	-	(56)	-\$17,007

Pricing Change 2 – Annualization of Prior Year Initiatives: Reflects the net impact of initiatives in the FY 2019 President’s Budget submission, including an overall increase of 259 FTE.

Annualization of FY 2019 Initiatives (Dollars in Thousands)	Positions	FTE	Amount
Annualization of FY18 Part Year Funding	-	44	\$4,788
Cutter Underway Connectivity Obsolete Equipment Replacement	-	-	\$507
DHS Immigration Database Initiative (IDI)	-	-	\$94
Department of State Passports (Official & Diplomatic)	-	-	\$256
Acquisition Personnel & Management	-	46	\$7,051
Shore Facility Follow-On	-	4	\$2,544
Fast Response Cutter (FRC) Follow-On	-	94	\$16,698
National Security Cutter (NSC) Follow-On	-	38	\$12,874
C-27J Aircraft Support Follow-On	-	1	\$177
HC-130J Aircraft Follow-On	-	32	\$5,499
Total, Annualization of FY 2019 Initiatives	-	259	\$50,488

Pricing Change 3 Annualization of Prior Year Pay Raise - Military: Provides one quarter of funding to annualize the 2019 military pay raise (2.6%) included in the FY 2019 President’s Budget.

Pricing Change 4 – Budget Year Allowances - Civilian: 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 5 – Budget Year Allowances - Military: 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, 2020. 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 6 – Budget Year Pay Raise - Military: Provides three quarters of funding for the 2020 military pay raise (3.1%).

Pricing Change 7 – Federal Employee Retirement System (FERS) Agency Contribution Increase: Per OMB Circular A-11, the Coast Guard FERS contribution increased by 2.3% from 13.7% in FY 2019 to 16.0% in FY 2020. The Law Enforcement FERS agency contribution increased by 3.3% from 30.1% to 33.4%. The Coast Guard contribution amount for Civil Service Retirement System (CSRS) did not change.

Pricing Change 8 – GSA Rent and Security Increases: Provides funding for cost increases at General Services Administration (GSA) leased buildings occupied by the Coast Guard.

Pricing Change 9 – Termination of Prior Year One-Time Costs: Reflects FY 2020 savings associated with the termination of one-time costs for program start-up and exit transactions in FY 2019. One-time cost terminations from FY 2019 include Aircraft FAA Compliance & Obsolete Equipment Replacement and other non-recurring costs from the FY 2019 President's Budget.

Termination of FY 2019 One-Time Costs (Dollars in Thousands)	Positions	FTE	Amount
Aircraft FAA Compliance & Obsolete Equipment Replacement	-	-	-\$20,233
Mission Essential Systems (MES)	-	-	-\$5,000
Cutter Underway Connectivity Obsolete Equipment Replacement	-	-	-\$4
DHS Immigration Database Initiative (IDI)	-	-	-\$9
Acquisition Personnel & Management	-	-	-\$429
Shore Facility Follow-On	-	-	-\$66
Fast Response Cutter (FRC) Follow-On	-	-	-\$2,669
National Security Cutter (NSC) Follow-On	-	-	-\$2,850
C-27J Aircraft Support Follow-On	-	-	-\$495
HC-130J Aircraft Follow-On	-	-	-\$100
Four HC-130H Aircraft - Planned	-	-	-\$238
Termination of FY 2019 One-Time Costs	-	-	-\$32,093

Pricing Change 10 – Transfer: 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. Positions associated with contractor to fed conversions.

Operations and Support Justification of Program Changes

Program Changes (Dollars in Thousands)	FY 2020 President's Budget		
	Positions	FTE	Amount
Program Change 1 - Accession Point and TRACEN Instructor Increase	19	10	\$2,101
Military Pay and Allowances	19	10	\$1,299
Training and Recruiting	-	-	\$320
Operating Funds and Unit Level Maintenance	-	-	\$55
Intermediate and Depot Level Maintenance	-	-	\$427
Program Change 2 - Acquisition Support Personnel	60	32	\$5,459
Military Pay and Allowances	22	12	\$1,511
Civilian Pay and Benefits	38	20	\$2,807
Training and Recruiting	-	-	\$75
Operating Funds and Unit Level Maintenance	-	-	\$435
Centrally Managed Accounts	-	-	\$257
Intermediate and Depot Level Maintenance	-	-	\$374
Program Change 3 - Administrative Program Reductions	(1)	(1)	(\$582)
Civilian Pay and Benefits	(1)	(1)	(\$77)
Operating Funds and Unit Level Maintenance	-	-	(\$501)
Intermediate and Depot Level Maintenance	-	-	(\$4)
Program Change 4 - Aircraft FAA Compliance & Obsolete Equipment Replacement	-	-	\$22,210
Intermediate and Depot Level Maintenance	-	-	\$22,210
Program Change 5 - Aviation Enhancements in Transit Zones	17	9	\$1,475
Military Pay and Allowances	17	9	\$797
Training and Recruiting	-	-	\$268
Operating Funds and Unit Level Maintenance	-	-	\$272
Centrally Managed Accounts	-	-	\$68
Intermediate and Depot Level Maintenance	-	-	\$70
Program Change 6 - Aviation Life Support Equipment Centralization	1	1	(\$49)
Civilian Pay and Benefits	1	1	\$96
Training and Recruiting	-	-	(\$133)
Operating Funds and Unit Level Maintenance	-	-	(\$60)
Intermediate and Depot Level Maintenance	-	-	\$48

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Program Changes (Dollars in Thousands)	FY 2020 President's Budget		
	Positions	FTE	Amount
Program Change 7 - C-27J Aircraft Support Follow-On	4	3	\$592
Military Pay and Allowances	2	1	\$100
Civilian Pay and Benefits	2	2	\$105
Training and Recruiting	-	-	\$22
Operating Funds and Unit Level Maintenance	-	-	\$17
Intermediate and Depot Level Maintenance	-	-	\$348
Program Change 8 - Counter TCO Initiatives	48	26	\$6,531
Military Pay and Allowances	24	13	\$1,519
Civilian Pay and Benefits	24	13	\$1,779
Training and Recruiting	-	-	\$94
Operating Funds and Unit Level Maintenance	-	-	\$2,208
Centrally Managed Accounts	-	-	\$68
Intermediate and Depot Level Maintenance	-	-	\$863
Program Change 9 - Cutter Underway Connectivity	-	-	\$302
Intermediate and Depot Level Maintenance	-	-	\$302
Program Change 10 - Cyber Security and IT Infrastructure	75	38	\$16,181
Military Pay and Allowances	60	30	\$4,410
Civilian Pay and Benefits	15	8	\$1,160
Training and Recruiting	-	-	\$223
Operating Funds and Unit Level Maintenance	-	-	\$4,734
Centrally Managed Accounts	-	-	\$41
Intermediate and Depot Level Maintenance	-	-	\$5,613
Program Change 11 - Decommission One High Endurance Cutter (WHEC)	(184)	(92)	(\$9,273)
Military Pay and Allowances	(184)	(92)	(\$7,182)
Training and Recruiting	-	-	(\$304)
Operating Funds and Unit Level Maintenance	-	-	(\$949)
Intermediate and Depot Level Maintenance	-	-	(\$838)
Program Change 12 - Decommission Three 110-Foot Patrol Boats	(54)	(27)	(\$2,575)
Military Pay and Allowances	(54)	(27)	(\$2,196)
Training and Recruiting	-	-	(\$87)
Operating Funds and Unit Level Maintenance	-	-	(\$289)
Intermediate and Depot Level Maintenance	-	-	(\$3)
Program Change 13 - Eliminate Joint Maritime Test Facility Personnel	(4)	(4)	(\$408)

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Program Changes (Dollars in Thousands)	FY 2020 President's Budget		
	Positions	FTE	Amount
Military Pay and Allowances	(3)	(3)	(\$285)
Civilian Pay and Benefits	(1)	(1)	(\$90)
Training and Recruiting	-	-	(\$16)
Operating Funds and Unit Level Maintenance	-	-	(\$17)
Program Change 14 - Enhancing Reserve Workforce Retention	-	-	\$2,700
Reserve Training	-	-	\$2,700
Program Change 15 - Fast Response Cutter (FRC) Follow-On	181	112	\$24,254
Military Pay and Allowances	181	112	\$11,050
Training and Recruiting	-	-	\$768
Operating Funds and Unit Level Maintenance	-	-	\$5,829
Centrally Managed Accounts	-	-	\$40
Intermediate and Depot Level Maintenance	-	-	\$6,567
Program Change 16 - HC-130J Aircraft Follow-On	40	37	\$8,056
Military Pay and Allowances	38	36	\$3,316
Civilian Pay and Benefits	2	1	\$128
Training and Recruiting	-	-	\$422
Operating Funds and Unit Level Maintenance	-	-	\$1,393
Centrally Managed Accounts	-	-	\$25
Intermediate and Depot Level Maintenance	-	-	\$2,772
Program Change 17 - Human Capital and Support Infrastructure	31	22	\$16,779
Military Pay and Allowances	5	3	\$9,542
Civilian Pay and Benefits	20	16	\$2,983
Training and Recruiting	-	-	\$2,257
Operating Funds and Unit Level Maintenance	-	-	\$184
Centrally Managed Accounts	-	-	\$18
Intermediate and Depot Level Maintenance	-	-	\$439
Reserve Training	6	3	\$1,356
Program Change 18 - Increase Counterintelligence Infrastructure	5	3	\$1,100
Civilian Pay and Benefits	5	3	\$538
Training and Recruiting	-	-	\$1
Operating Funds and Unit Level Maintenance	-	-	\$72
Intermediate and Depot Level Maintenance	-	-	\$489
Program Change 19 - Increase Counterintelligence Personnel and Mission Support	1	-	\$71

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Program Changes (Dollars in Thousands)	FY 2020 President's Budget		
	Positions	FTE	Amount
Civilian Pay and Benefits	1	-	\$54
Operating Funds and Unit Level Maintenance	-	-	\$9
Intermediate and Depot Level Maintenance	-	-	\$8
Program Change 20 - Information Technology Streamlining	46	24	(\$3,673)
Military Pay and Allowances	5	3	\$377
Civilian Pay and Benefits	41	21	\$2,821
Training and Recruiting	-	-	\$30
Operating Funds and Unit Level Maintenance	-	-	\$123
Intermediate and Depot Level Maintenance	-	-	(\$7,024)
Program Change 21 - MILSATCOM Obsolete Equipment Replacement	-	-	\$6,871
Intermediate and Depot Level Maintenance	-	-	\$6,871
Program Change 22 - Maritime Safety, Security, and Commerce	27	20	\$6,197
Military Pay and Allowances	20	16	\$1,844
Civilian Pay and Benefits	7	4	\$529
Training and Recruiting	-	-	\$244
Operating Funds and Unit Level Maintenance	-	-	\$3,364
Centrally Managed Accounts	-	-	\$21
Intermediate and Depot Level Maintenance	-	-	\$195
Program Change 23 - National Security Cutter (NSC) Follow-On	199	110	\$14,446
Military Pay and Allowances	193	106	\$10,515
Civilian Pay and Benefits	6	4	\$331
Training and Recruiting	-	-	\$865
Operating Funds and Unit Level Maintenance	-	-	\$1,228
Intermediate and Depot Level Maintenance	-	-	\$1,507
Program Change 24 - Offshore Patrol Cutter (OPC) Follow-On	52	31	\$6,166
Military Pay and Allowances	42	26	\$2,801
Civilian Pay and Benefits	10	5	\$570
Training and Recruiting	-	-	\$304
Operating Funds and Unit Level Maintenance	-	-	\$1,247
Centrally Managed Accounts	-	-	\$24
Intermediate and Depot Level Maintenance	-	-	\$1,220
Program Change 25 - Rescue & Survival and Training Equipment Refresh	-	-	\$6,276
Training and Recruiting	-	-	\$173

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Program Changes (Dollars in Thousands)	FY 2020 President's Budget		
	Positions	FTE	Amount
Operating Funds and Unit Level Maintenance	-	-	\$6,101
Intermediate and Depot Level Maintenance	-	-	\$2
Program Change 26 - Restoring Depot Readiness	-	-	\$9,952
Intermediate and Depot Level Maintenance	-	-	\$9,952
Program Change 27 - Shore Facility Follow-On	6	4	\$5,314
Military Pay and Allowances	3	2	\$249
Civilian Pay and Benefits	3	2	\$149
Training and Recruiting	-	-	\$13
Operating Funds and Unit Level Maintenance	-	-	\$1,997
Intermediate and Depot Level Maintenance	-	-	\$2,906
Total Program Changes	569	358	\$146,473

Program Change 1 – Accession Point and TRACEN Instructor Increase:**Description**

The FY 2020 request includes an increase of 19 positions, 10 FTE, and \$2.1M. This funding adds instructors and administrative staff at accession sources and technical training schools. The O&S base for this program is 1,758 positions and \$188.0M.

Justification

The request funds additional instructors and Company Commanders to meet the recruiting goals projected for FY 2020. Additional Officer Candidate School (OCS) instructors allow a total throughput of 395 students, an increase of 40 students per year needed to fill current personnel gaps. Additional Company Commanders at Training Center (TRACEN) Cape May, New Jersey meets the anticipated throughput of 3,800 recruits annually. The request also addresses instructor gaps at “A” and “C” schools and additional staffing partially closes current gap while ensuring the required quality of training.

Performance

The Service has fallen behind in its ability to adequately train new personnel in basic and advanced qualifications. This request ensures new personnel are available to fill gaps in highly technical specialties and reduces current backlogs in advanced training courses.

Program Change 2 – Acquisition Support Personnel:**Description**

The FY 2020 request includes an increase of 60 positions, 32 FTE, and \$5.5M. This request provides funding to increase the Coast Guard’s

professional acquisition workforce. This increase is required to oversee and support Procurement, Construction, & Improvement (PC&I) programs. The primary activities include project management, financial management, support services, training, and workforce certification. The base for this program is 1,006 positions, 881 FTE, and \$127.0M.

Justification

This request funds compensation, benefits, and related costs for personnel who perform work on Coast Guard PC&I initiatives. Coast Guard acquisition programs rely on an appropriate level of government acquisition professionals with the competencies and capacity to manage acquisitions in accordance with Coast Guard and DHS policies, while meeting additional requirements established in the Chief Financial Officer Act, Clinger-Cohen Act, DHS certification level requirements, and OMB Circular A-76.

Performance

Investment in capital assets requires a professional acquisition workforce to ensure proper execution of appropriated funds. The initiative includes staffing for, but is not all inclusive of, Offshore Patrol Cutter (OPC) and Polar Security Cutter (PSC), 47' motor life boat service life extension project, Waterways Commerce Cutter (WCC), electronic health records acquisition, Command, Control, Communication, Computer, Cyber, and Intelligence (C5I) personnel, and construction specialists to execute shore infrastructure projects.

Program Change 3 – Administrative Program Reduction:**Description**

The FY 2020 request includes a reduction of 1 position, 1 FTE, and \$582,000. This request eliminates the Decision Lens software contract and personnel associated with managing the program. The base for this program is 1 position, 1 FTE, and \$582,000.

Justification

The Coast Guard will end the Decision Lens contract. Decision Lens software previously had been used for project prioritization.

Performance

The reduction will not impact performance. Decision Lens was redundant of other decision-making resources used by the Coast Guard.

Program Change 4 – Aircraft FAA Compliance & Obsolete Equipment Replacement:**Description**

The FY 2020 request includes an increase of 0 positions, 0 FTE, and \$22.2M. The request provides funding to continue upgrades and associated equipment to ensure HC-130J and HC-144 aircraft comply with Federal Aviation Administration (FAA) FY 2020 requirements. Funding also supports integration, testing, and fielding of Automatic Dependent Surveillance-Broadcast (ADS-B) capability on all aircraft to comply with FAA 2020 requirements. This multi-year maintenance and obsolete equipment replacement program will be 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. The O&S base for this program is 0 positions, 0 FTE, and \$0.0M. All previous years' budget requests were one-time funds; this is the final year for FAA Compliance

funding.

Justification

14 U.S.C. Part 91 mandates that all users of the national airspace system have ADS-B capability by January 1, 2020; this is required to continue flight operations in the national airspace system.

Performance

Failure to fund this initiative may result in airspace denial, directly impacting the ability of all air assets to conduct operations across all Coast Guard and DHS missions. With this funding, aircraft will be allowed to access to the national airspace system, ensuring no degradation of operational mission execution across the Coast Guard. The Coast Guard will be included in DHS's submission for a FAA accommodation waiver in alignment with DOD's request.

Program Change 5 – Aviation Enhancements in Transit Zones:**Description**

The FY 2020 request includes an increase of 17 positions, 9 FTE, and \$1.5M. This request funds additional precision marksmen and boat crews needed to increase armed helicopter capacity. The base for this program is 44 positions, 42 FTE, and \$4.4M.

Justification

The Helicopter Interdiction Squadron (HITRON) will receive a 13th aircraft in FY 2020. These personnel are required to fully utilize the 13th aircraft and increase capacity from current 1,460 days deployed to future target of 1,825 days deployed. In FY 2017, cutters deployed to the Eastern Pacific (EPAC) with HITRON helicopters achieved an average 6.8 illicit drug seizures per patrol; cutters deployed to EPAC without HITRON helicopters only achieved an average 2.9 illicit drug seizures per patrol.

Performance

Coast Guard helicopters are DHS's only shipboard deployable authorized use of force package and trained precision marksmen are a key element against transnational criminal organizations in the maritime transit zones. HITRON helicopters are one of the primary Coast Guard assets used by Joint Task Force-West (JTF-W) and Joint Task Force-East (JTF-E) in carrying out operational missions.

Program Change 6 – Aviation Life Support Equipment Centralization:**Description**

The FY 2020 request includes an increase of 1 position, 1 FTE, and a decrease of \$49,000. This efficiency centralizes all rotary-wing aviation life safety and support equipment such as flight helmets, thermal undergarments, and wet and dry suits, into one central inventory control point at the Coast Guard's Aviation Logistics Center (ALC) in Elizabeth City, North Carolina. The base for this program is 0 positions, 0 FTE, and \$1.9M.

Justification

Centralization and consolidation of life safety and support parts and equipment yields personnel and contracting efficiencies resulting in overall

savings and reduces burden on the operational units.

Performance

Access to the inventory of aviation life safety equipment will improve while reducing the burden of resource acquisition on operational units.

Program Change 7 – C-27J Aircraft Support Follow-On:**Description**

The FY 2020 request includes an increase of 4 positions, 3 FTE, and \$592,000. This request supports sustainment and depot level overhaul activities and training personnel for the C-27J fleet. The base for this program is 0 positions, 0 FTE, and \$0.0M.

Justification

The National Defense Authorization Act of 2014 authorized the transfer of fourteen C-27J aircraft from the U.S. Air Force to the Department of Homeland Security (U.S. Coast Guard). The C-27J will complement the medium range surveillance (MRS) fleet of HC-144 aircraft for at least the next 25 years.

Performance

The C-27J Spartan has been integrated into the Coast Guard's medium range surveillance aircraft fleet alongside the HC-144 Ocean Sentry. Six C-27J aircraft have been operationalized to replace HC-130H long range surveillance aircraft. This request keeps the C-27J program on schedule for transition to sustainment.

Program Change 8 – Counter TCO Initiative:**Description**

This request provides funding for 48 positions, 26 FTE, at a cost of \$6.5M, to expand the Coast Guard's capacity to execute a multi-layered approach in the Western Hemisphere maritime transit zone, dismantle Transnational Criminal Organizations (TCOs), and secure our Nation's borders from illicit smuggling of all kinds. This request provides enhanced interdiction capabilities, including: Document and Media Exploitation and Biometric collection; engagement and capacity building with partner nations through the Coast Guard's Mobile Training Branch; increased participation in the Panama Express (PANEX) Organized Crime Drug Enforcement Task Force (OCDETF) Strike Force, which aims to identify, disrupt, and dismantle TCOs involved in large-scale drug trafficking, money laundering, and related activities; and increased organic intelligence production and analysis capacity.

Justification

Instability and violence in Central America continues to threaten our Nation's security. To combat this threat, the Coast Guard employs robust surveillance, interdiction, prosecution, and intelligence capabilities as part of a layered approach 1,500 miles south of the Southern Border. This offensive posture disrupts TCOs where they are most vulnerable – at sea – and thwarts TCO-driven illicit maritime movements to prevent exploitation of our Southern Border. The Coast Guard's drug interdiction efforts increase stability in Central America, which quells illegal migration to the United States' land border.

Performance

Building the capability to target and collect intelligence, and support interdiction to combat TCOs, the Coast Guard can continue to build and leverage vital relationships with partner nations' law enforcement networks. These efforts increase interdictions, reduce violence, and stabilize Central American governments, resulting in decreased illegal migration at the land border. In addition, the Coast Guard will increase international training capacity to allow Central American and other Western Hemisphere partners to improve their maritime governance and the rule of law.

Program Change 9 – Cutter Underway Connectivity:**Description**

The FY 2020 request includes an increase of 0 positions, 0 FTE, and \$302,000. The request addresses existing Commercial Satellite Communication (COMSATCOM) network connectivity limitations for cutters. The base for this program is 1 position, 1 FTE, and \$1.4M.

Justification

Underway connectivity airtime usage has increased since the installation of modern Information Technology and communications equipment. Time sensitive systems patching to address cyber threats have significantly increased the demand for cutter network connectivity while underway.

Performance

Underway cutters will reduce cyber vulnerability by improving network connectivity. With increased connectivity airtime, cutters will receive additional patching, increased mission execution data and systems, and greatly reduce cyber vulnerabilities.

Program Change 10 – Cybersecurity and IT Infrastructure:**Description**

The FY 2020 request includes an increase of 75 positions, 38 FTE, and \$16.2M. The request provides an information technology framework and platform to establish a consolidated user interface primarily for Command Centers. Interface focus is on timely and efficient access to operational and mission support data. This request also includes critical positions to mature the cybersecurity defense program. The base for this program is 64 positions, 64 FTE, and \$4.5M.

Justification

Current architecture restricts the ability to display disparate data without frequent system switching. The time delay and segmented data display impact time critical operations. Additionally, moving beyond initial operating capability for the Coast Guard cybersecurity defense program is a key enabler of other operations.

Performance

Mission success is dependent on efficiently processing and exchanging information. Direct impact spans such missions as search and rescue and interdiction operations. Initial efforts will focus on increased efficiency between operator and data retrieval and the optimization of network

bandwidth. Appreciable gains in bandwidth utilization are expected through tailored delivery of data to end users, largely eliminating user interaction with heavy demand applications. Additionally, a mature Cyber Protection Team is critical to the defense of the Coast Guard data network and the defensive posture of the Marine Transportation System.

Program Change 11 – Decommission One High Endurance Cutter (WHEC):**Description**

The FY 2020 request includes a decrease of 184 positions, 92 FTE, and \$9.3M. The request decommissions one legacy High Endurance Cutter (WHEC). The base for this program is 184 positions, 184 FTE, and \$21.3M.

Justification

The remaining WHEC fleet is operating well beyond its design service life and is increasingly costly to maintain and operate. Following this decommissioning, there are two WHECs remaining in the operational fleet.

Performance

The reduction will not impact performance. The WHEC fleet is being replaced by more capable National Security Cutters (NSCs), which are exceeding performance expectations.

Program Change 12 – Decommission Three 110-Foot Patrol Boats:**Description**

The FY 2020 request includes a decrease of 54 positions, 27 FTE, and \$2.6M. The request decommissions three 110-foot Island Class patrol boats. The base for this program is 54 positions, 54 FTE, and \$6.6M.

Justification

The 110-foot patrol boat fleet is beyond its projected 20-year service life and is increasingly costly to maintain and operate. Following these decommissionings, there are eleven 110-foot patrol boats in the domestic operational fleet.

Performance

The reduction will not impact performance. The 110-foot patrol boats are being replaced by the more capable Fast Response Cutters (FRCs).

Program Change 13 – Eliminate Joint Maritime Test Facility Support Personnel:**Description**

The FY 2020 Budget includes a reduction of 4 positions, 4 FTE, and \$0.4M for the Joint Maritime Test Facility (JMTF). The base for the program is 4 positions, 4 FTE, and \$0.4M.

Justification

The JMTF is a joint Navy and Coast Guard facility located on Sand Island in Mobile, Alabama. The facility is primarily a large-scale marine in-situ burn test platform used to conduct research and analysis of alternative methods for removing pollutants through burning. In-situ burning is the process of removing or otherwise mitigating surface pollutants (e.g., oil and other lighter-than-water products) by burning. Beginning in FY 2018, the Naval Research Laboratory stopped providing resources or other support to operate the JMTF. Previously, the Navy provided more than two-thirds of the total cost to operate the facility. The Coast Guard is unable to provide the full amount necessary to operate and maintain the facility.

Performance

The Coast Guard will use alternative means of exploring and testing marine pollutant removal capabilities with existing resources, including the Coast Guard Research and Development Center, to ensure no degradation in performance.

Program Change 14 – Enhancing Reserve Workforce Retention:**Description**

The FY 2020 request includes an increase of 0 positions, 0 FTE, and \$2.7M. The request provides funding to support Tuition Assistance for the drilling Reserve workforce. The base for this program is 0 positions, 0 FTE, and \$0.0M.

Justification

The Coast Guard's Reserve workforce is authorized the use of Tuition Assistance to advance the professional development of its members. This funding provides parity with the DOD Reserve workforce by providing educational benefits to the entire Reserve workforce, not just members on Active Duty orders.

Performance

The increase will enhance personnel readiness for a Reserve force that provides mission-ready personnel to augment active duty Coast Guard forces during times of crisis, domestically or worldwide. Additionally, this initiative is critical to recruiting and retaining as the Coast Guard seeks to close the Reserve workforce gap.

Program Change 15 – Fast Response Cutter (FRC) Follow-On:**Description**

The FY 2020 request includes an increase of 181 positions, 112 FTE, and \$24.3M. The request funds personnel and Operations and Maintenance (O&M) for five Fast Response Cutters (FRCs). The O&S base for this program is 0 positions, 0 FTE, and \$0.0M.

- FRC O&M for Hulls 37-41: Provides O&M for FRC Hulls to be homeported in Galveston, Texas; Key West, Florida; and Apra Harbor, Guam.
- FRC Crews for Hulls 39-43: Provides crews for FRC Hulls to be homeported in Key West, Florida and Apra Harbor, Guam.

- FRC Follow-On Support for Hulls 39-43: Provides personnel for shore-side support of FRC Hulls 39-43 to be homeported in Key West, Florida and Apra Harbor, Guam.

Justification

The FRC is the replacement for the 110-foot Island Class patrol boat that is past its designed service life. This request begins funding operation and maintenance of newly delivered FRCs.

Performance

The FRC is more capable than the 110-foot patrol boat with advanced electronics and enhanced operational capabilities. This funding improves and expands the Coast Guard's capability to secure the U.S. border and approaches, disrupt and dismantle transnational criminal organizations and other illicit actors, prevent unlawful immigration, and enhance national preparedness.

Program Change 16 – HC-130J Aircraft Follow-On:**Description**

The FY 2020 request includes an increase of 40 positions, 37 FTE, and \$8.1M. The request funds personnel, operation and maintenance, and support for the twelfth HC-130J aircraft. The request also funds an increase of mission system instructors at the Aviation Training Center (ATC) in Mobile, Alabama. The base for this program is 0 positions, 0 FTE, and \$0.0M.

Justification

The request supports Air Station Kodiak's transition from the HC-130H to the HC-130J. Fleet transitions require additional instructors at ATC to train aircrews to operate and maintain mission systems associated with HC-130J.

Performance

The HC-130J provides increased aircraft capability with reduced maintenance costs compared to the HC-130H. Fleet transition to the new integrated sensor and mission system package provides increased search, surveillance, detection, and communication capabilities but requires additional training for operators to fully utilize the capabilities of the system.

Program Change 17 – Human Capital and Support Infrastructure:**Description**

The FY 2020 request includes an increase of 31 positions, 22 FTE, and \$16.8M. Coast Guard missions, and support of those missions, drive human capital and support infrastructure requirements. This funding provides improvements to enterprise-wide support, including the transition to electronic health records (EHR). The request also funds training and support to the Coast Guard Reserve. The base for this program is 0 positions, 0 FTE, and \$0.0M with the exception of support for the Reserve force, for which the base is 416 positions, 409 FTE, and \$117.7M.

Justification

Coast Guard clinics continue to utilize paper records for personal medical record keeping. The Coast Guard's transition to the Military Health System

(MHS) Genesis software architecture, the same core EHR system utilized by Department of Veterans Affairs (VA) and Department of Defense (DOD), will provide electronic health records and interagency capability with VA and DOD systems. Additionally, this request implements the FY 2015 NDAA mandate to establish a Credentialing, Certification, and Licensure (CCL) program for service members. Finally, the request ensures annual Reserve force training requirements are met. Failure to maintain an adequate Reserve force in garrison negatively impacts the Coast Guard's ability to respond to surge operational requirements for contingency response.

Performance

Investments in human capital and support infrastructure address the erosion of readiness of the workforce and meet the needs to the total mission ready workforce, including active duty, Reserve, and civilian personnel.

Program Change 18 – Increase Counterintelligence Infrastructure:**Description**

The FY 2020 request includes an increase of 5 positions, 3 FTE, and \$1.1M. The request increases the Technical Surveillance Countermeasures (TSCM) team baseline as part of the larger DHS-wide strategy to expand the current ability to identify, deceive, exploit, or disrupt the efforts of Foreign Intelligence Entities (FIE) using technical means to gather intelligence. Teams of personnel will travel to likely targeted locations with specialized equipment that locate FIE technical means. The base for this program is 2 positions, 2 FTE, and \$19.7M.

Justification

The Coast Guard does not have the capacity to provide surveys for potentially affected spaces. The additional personnel and equipment will improve the Coast Guard's ability to defend against FIE collection. This is part of the DHS-wide strategy to build the Department's ability to identify and disrupt FIE intelligence gathering.

Performance

The Coast Guard's single TSCM team currently in operation can provide 15 scheduled surveys in potentially impacted spaces, due to the amount of ad hoc requests responded to per year. The additional positions will allow the Coast Guard to triple TSCM survey capacity.

Program Change 19 – Increase Counterintelligence Personnel and Mission Support:**Description**

The FY 2020 request includes an increase of 1 position, 0 FTE, and \$71,000. The request increases counterintelligence personnel by one analyst dedicated to cybersecurity counterintelligence threats. The base for this program is 2 positions, 2 FTE, and \$19.7M.

Justification

The Coast Guard and other DHS components have been the targets of infiltration and suspected theft of policies, plans, and proprietary documents by foreign entities using the cyber domain. This is a part of a larger DHS-wide strategy to build the Department's ability to educate potential targets of these activities, as well as detect potential incidents of infiltration and provide descriptions of these incidents to the DHS Counterintelligence

Directorate for further action.

Performance

The addition of personnel increases the ability to recognize, detect specific cyber threats related to Foreign Intelligence Entities (FIE) counterintelligence activities, and provide information to facilitate a response to threats through a unified effort across the Department.

Program Change 20 – Information Technology Streamlining:**Description**

The FY 2020 request includes an increase of 46 positions, 24 FTE, and a decrease of \$3.7M. The request realizes savings through the planned disestablishment of the Differential Global Positioning System (DGPS) and enterprise server consolidations. The personnel increase is achieved through the Command, Control, Communications, Computers, and Information Technology (C4IT) Service Center insourcing, replacing contractors with government FTE. The base for this program is 0 positions, 0 FTE, and \$6.5M.

Justification

Efficiencies and consolidation efforts provide an architecture with improved configuration management, better availability, and adherence to security requirements for lower costs.

Performance

There will be no reduction in performance as this initiative sheds outdated, underutilized, and costly platforms to ensure the continued and expanded use of critical IT platforms such as remote access and mobility applications.

Program Change 21 – MILSATCOM Obsolete Equipment Replacement:**Description**

The FY 2020 request includes an increase of 0 positions, 0 FTE, and \$6.9M. The request continues 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, interoperability with DOD, and also permits consistent data exchange for maritime domain awareness (MDA) and law enforcement missions. The base for this program is 0 positions, 0 FTE, and \$9.3M.

Justification

The existing MILSATCOM UHF follow-on system is beyond its service life and is experiencing system degradation and performance issues. 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.

Performance

Operational assets that do not integrate to MUOS will lose MILSATCOM UHF communication capabilities in theater, in disaster areas, and in remote latitudes, including loss of interoperability with DOD. By the end of CY 2024, MILSATCOM UHF equipment (e.g., satellites) will become

obsolete in that the equipment will cease to exist.

Program Change 22 – Maritime Safety, Security, and Commerce:

Description

The FY 2020 request includes an increase of 27 positions, 20 FTE, and \$6.2M. The request provides funding and personnel to strengthen the Coast Guard's marine safety program through improved marine inspector training, establishment of a third party oversight and auditing program, expansion of the marine inspector workforce, and improved accession opportunities for marine inspectors.

Justification

Following reviews of the tragic loss of the commercial vessel EL FARO, the maritime community considered a number of safety protocols, inspection standards, and regulatory oversight initiatives. National Transportation Safety Board and Coast Guard investigations of the incident identified areas for improvement and provided recommendations to prevent a similar incident from occurring. The enhancements targeted through this request primarily address those concerns.

Performance

The increase of marine inspectors and modernization of training are the initial steps to address capability gaps identified in the findings of the EL FARO investigation. Further, the request funds the expansion of the Maritime Academy Graduate program, augmenting the marine inspector workforce with credentialed mariners. Finally, this request provides funding for personnel and operating costs to establish a third-party oversight program to improve oversight of third-party inspectors who perform work on the Coast Guard's behalf for the commercial vessel fleet.

Program Change 23 – National Security Cutter (NSC) Follow-On:

Description

The FY 2020 request includes an increase of 199 positions, 110 FTE, and \$14.4M. The request funds personnel for the crew of the ninth National Security Cutter (NSC), shore-side maintenance teams to conduct vessel, electronics systems and weapons maintenance, as well as tactical cryptologic deployers operating and maintaining the tactical cryptologic systems on NSCs, which will be homeported in Charleston, South Carolina. The base for this program is 0 positions, 0 FTE, and \$0.0M.

Justification

The NSC is replacing the legacy High Endurance Cutter (WHEC), which is beyond its designed service life. This request begins funding operation and maintenance of newly produced NSCs.

Performance

The NSC is more capable than the WHEC with advanced electronics, cryptological, communications, and operational capabilities. This funding improves and expands the Coast Guard's capability to secure the U.S. border and approaches, disrupt and dismantle transnational criminal organizations and other illicit actors, prevent unlawful immigration, and enhance national preparedness.

Program Change 24 – Offshore Patrol Cutter (OPC) Follow-On:**Description**

The FY 2020 request includes an increase of 52 positions, 31 FTE, and \$6.2M. The request funds personnel for a portion of the crew of the first Offshore Patrol Cutter (OPC) to be homeported in Los Angeles/Long Beach, California, shore-side personnel to develop operational doctrine and qualification standards for the new class of cutter, and shore-side personnel to staff the shore-side maintenance team to conduct vessel, electronics systems, and weapons maintenance. The base for this program is 0 positions, 0 FTE, and \$0.0M.

Justification

The OPC is replacing the legacy Medium Endurance Cutters (WMEC), which are beyond their designed service lives. This request begins funding crew and shore-side maintenance personnel for newly produced OPCs.

Performance

The OPC is more capable than the WMEC with advanced electronics, communications, and operational capabilities. This funding improves and expands the Coast Guard's capability to secure the U.S. border and approaches, disrupt and dismantle transnational criminal organizations and other illicit actors, prevent unlawful immigration, and enhance national preparedness.

Program Change 25 – Rescue & Survival and Training Equipment Refresh:**Description**

The FY 2020 request includes an increase of 0 positions, 0 FTE, and \$6.3M. The request increases funds to purchase and replace personal protective equipment for Coast Guard operational personnel and upgrades training equipment at the Aviation Technical Training Center (ATTC) in Elizabeth City, North Carolina.

Justification

The requirements for personal protective equipment have adapted to changing operational demands, threats, and environments. The request funds rescue and survival equipment (e.g., flotation gear, cold weather thermal gear, helmets) for personnel operating in the harshest environments. Additionally, the request funds enhancement in the technical training equipment for aviation operators.

Performance

This funding ensures operators have the resources and protective equipment for mission execution in harsh operating environments. This equipment is critical to ensuring that Coast Guard members are protected from unnecessary harm while performing missions.

Program Change 26 – Restoring Depot Readiness:**Description**

The FY 2020 request includes an increase of 0 positions, 0 FTE, and \$10.0M to begin to restore readiness. This request helps to begin to restore vessel and aircraft readiness and address critical infrastructure technology (IT) maintenance and inventory backlogs. Years under the Non-Defense Budget Control Act (BCA) caps have forced the Service to defer maintenance on the surface and aviation fleets and IT to fund critical frontline operations. Further, as assets age, addressing equipment and system obsolescence becomes more challenging and costly. Maintaining an adequate inventory of replacement parts becomes increasingly expensive each year purchasing is delayed.

Justification

This funding directly impacts the execution of Coast Guard missions through the readiness of its surface and aviation fleet. Without funding, maintenance backlogs and inventory shortfalls will continue to increase. In the last two years, the Coast Guard has lost the equivalent of three years' worth of major cutter operational days and 14 MH-65Cs due to unplanned maintenance and lack of spare parts inventory. Deferring maintenance accelerates the materiel degradation of vessels and aircraft already operating well beyond their planned service lives, decreases readiness to complete missions, erodes operational effectiveness when planned maintenance turns into unplanned maintenance during an operational period, and increases operational-risk. Additionally, this request funds necessary IT network infrastructure maintenance (e.g., computers, hardware, servers, routers, switches, etc.) and costs, which support mission essential systems necessary for the Coast Guard to operate, defend and maintain the Coast Guard's portion of the DOD Information Network (DODIN). These upgrades are needed to maintain compliance with DOD cybersecurity requirements and effectively execute Coast Guard missions.

Performance

This funding restocks critical spare parts inventories at the surface and aviation logistics centers to reduce the number of lost operational days caused by unplanned maintenance. As the legacy surface and aviation fleets continue to operate, maintaining these assets has become increasingly expensive. Without this funding, the Coast Guard will continue to incur lost operational hours due to unplanned maintenance. With adequate depot maintenance relief, the Coast Guard can begin to address the erosion of readiness that has resulted from lost buying power due to BCA caps.

Program Change 27 – Shore Facility Follow-On:**Description**

The FY 2020 request includes an increase of 6 positions, 4 FTE, and \$5.3M. The request funds the operation and maintenance of recapitalized shore facilities scheduled for completion prior to and during 2020. This funding request is necessary for energy, utility services, and routine repairs. The request also includes funding for maintenance and repairs (e.g., preventive and emergency maintenance, scheduled inspections, etc.) anticipated throughout the life of each new Coast Guard facility. The base for this program is 0 positions, 0 FTE, and \$0.0M.

The request provides the resources required to operate and maintain new and improved facilities completed under the following Procurement, Construction, and Improvement (PC&I) projects:

- Coast Guard Yard Drydock Facilities;
- Sector Field Office Galveston Fast Response Cutter Homeport Facilities;
- Air Station Barbers Point Electrical Utilities;
- Station Jonesport/Eastport Housing.

Justification

The request is critical to the proper life-cycle investment, sustainment, and Operations and Maintenance (O&M) of real property necessary to support operational assets and service members.

Performance

Funding ensures the Coast Guard is able to maintain new facilities while addressing the \$700M shore infrastructure backlog in order to optimize operational performance.

Operations and Support Personnel Compensation and Benefits Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Military Pay and Allowances	40,593	40,060	\$3,055,902	\$76.04	41,054	40,514	\$3,226,086	\$79.37	41,463	40,934	\$3,362,026	\$81.87	409	420	\$135,940	\$2.5
Civilian Pay and Benefits	8,084	7,121	\$844,264	\$118.48	8,646	7,595	\$924,194	\$121.61	8,920	7,828	\$981,234	\$125.27	274	233	\$57,040	\$3.66
Reserve Training	-	-	-	-	416	409	\$93,634	\$228.69	422	412	\$97,828	\$237.2	6	3	\$4,194	\$8.51
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	48,677	47,181	\$3,900,166	\$82.44	50,141	48,541	\$4,446,657	\$91.38	50,805	49,174	\$4,441,088	\$90.08	664	633	(\$5,569)	(\$1.3)
Discretionary - Appropriation	48,677	47,181	\$3,900,166	\$82.44	50,141	48,541	\$4,446,657	\$91.38	50,805	49,174	\$4,441,088	\$90.08	664	633	(\$5,569)	(\$1.3)

* 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 <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$607,219	\$671,965	\$697,231	\$25,266
11.3 Other than Full-Time Permanent	\$3,969	\$4,384	\$4,576	\$192
11.5 Other Personnel Compensation	\$21,702	\$24,019	\$24,841	\$822
11.6 Military Personnel-Basic Allowance for Housing	\$812,095	\$859,692	\$895,143	\$35,451
11.7 Military Personnel	\$1,964,862	\$2,148,875	\$2,248,434	\$99,559
11.8 Special Personal Services Payments	\$6,966	\$7,377	\$7,718	\$341
12.1 Civilian Personnel Benefits	\$210,832	\$233,712	\$261,363	\$27,651
12.2 Military Personnel Benefits	\$269,134	\$493,024	\$298,170	(\$194,854)
13.0 Benefits for Former Personnel	\$3,387	\$3,609	\$3,612	\$3
Total - Personnel Compensation and Benefits	\$3,900,166	\$4,446,657	\$4,441,088	(\$5,569)
Positions and FTE				
Positions - Civilian	8,084	8,759	9,009	250
FTE - Civilian	7,121	7,693	7,904	211
Positions - Military	40,593	41,382	41,796	414
FTE - Military	40,060	40,848	41,270	422

Operations and Support

Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
O-10	1	1	1	-
O-9	5	5	5	-
O-8	25	28	28	-
O-7	7	7	7	-
O-6	347	371	375	4
O-5	771	830	840	10
O-4	1,278	1,389	1,414	25
O-3	2,266	2,404	2,458	54
O-2	1,378	1,387	1,395	8
O-1	320	334	344	10
CWO	1,628	1,692	1,723	31
E-10	1	1	1	-
E-9	336	350	352	2
E-8	703	728	736	8
E-7	3,398	3,481	3,516	35
E-6	6,315	6,444	6,554	110
E-5	7,733	7,804	7,899	95
E-4	7,598	7,659	7,719	60
E-3	4,440	4,424	4,410	-14
E-2	922	922	898	-24
E-1	296	296	296	-
Cadet/OC	825	825	825	-
Total Permanent Positions Military	40,593	41,382	41,796	414
Total, SES	18	20	20	-
GS-15	187	233	245	12
GS-14	614	763	798	35
GS-13	1,434	1,687	1,800	113
GS-12	1,749	1,874	1,927	53
GS-11	986	1,018	1,035	17

U.S. Coast Guard

Operations and Support

Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
GS-10	26	27	27	-
GS-9	622	642	651	9
GS-8	151	158	158	-
GS-7	697	721	725	4
GS-6	218	230	231	1
GS-5	132	137	138	1
GS-4	20	20	20	-
GS-3	5	5	5	-
Other Graded Positions	1,225	1,224	1,229	5
Total Permanent Positions Civilian	8,084	8,759	9,009	250
Total Permanent Positions	48,677	50,141	50,805	664
Unfilled Positions EOY Military	533	407	127	-280
Total Perm. Employment (Filled Positions) EOY Military	40,060	40,975	41,669	694
Unfilled Positions EOY	943	1,009	932	-77
Total Perm. Employment (Filled Positions) EOY	7,141	7,750	8,077	327
Position Locations				
Headquarters Military	934	1,179	1,279	100
U.S. Field Military	39,318	39,862	40,176	314
Foreign Field Military	341	341	341	-
Headquarters Civilian	1,077	1,426	1,488	62
U.S. Field Civilian	7,000	7,326	7,514	188
Foreign Field Civilian	7	7	7	-
Averages				
Average Personnel Costs, Officer	110,688	113,889	116,298	2,409
Average Grade, Officer	3	3	3	-
Average Personnel Costs, Enlisted	65,408	67,123	68,671	1,548
Average Grade, Enlisted	5	5	5	-
Average Personnel Costs, ES Positions	233,400	245,100	258,400	13,300
Average Personnel Costs, GS Positions	118,957	123,039	126,601	3,562
Average Grade, GS Positions	11	11	11	-

Operations and Support Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Military Pay and Allowances	\$660,542	\$625,009	\$634,786	\$9,777
Civilian Pay and Benefits	\$3,414	\$5,191	\$5,195	\$4
Training and Recruiting	\$191,015	\$187,991	\$194,930	\$6,939
Operating Funds and Unit Level Maintenance	\$897,171	\$907,894	\$927,674	\$19,780
Centrally Managed Accounts	\$142,788	\$143,641	\$150,236	\$6,595
Intermediate and Depot Level Maintenance	\$1,415,217	\$1,442,048	\$1,478,270	\$36,222
Reserve Training	-	\$24,021	\$26,721	\$2,700
Environmental Compliance and Restoration	-	\$10,046	-	(\$10,046)
Total	\$3,310,147	\$3,345,841	\$3,417,812	\$71,971
Discretionary - Appropriation	\$3,310,147	\$3,345,841	\$3,417,812	\$71,971

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$233,628	\$241,149	\$238,500	(\$2,649)
22.0 Transportation of Things	\$113,178	\$110,562	\$112,334	\$1,772
23.1 Rental Payments to GSA	\$55,227	\$56,034	\$64,548	\$8,514
23.2 Rental Payments to Others	\$32,507	\$32,507	\$32,601	\$94
23.3 Communications, Utilities, and Misc. Charges	\$156,481	\$163,292	\$160,120	(\$3,172)
24.0 Printing and Reproduction	\$3,155	\$3,207	\$3,207	-
25.1 Advisory and Assistance Services	\$122,956	\$117,100	\$121,598	\$4,498
25.2 Other Services from Non-Federal Sources	\$388,496	\$400,094	\$401,018	\$924
25.3 Other Goods and Services from Federal Sources	\$196,271	\$185,842	\$181,986	(\$3,856)
25.4 Operation and Maintenance of Facilities	\$199,556	\$210,085	\$217,771	\$7,686
25.6 Medical Care	\$344,705	\$347,224	\$360,697	\$13,473
25.7 Operation and Maintenance of Equipment	\$673,399	\$660,633	\$684,812	\$24,179
25.8 Subsistence & Support of Persons	\$1,968	\$3,978	\$4,150	\$172
26.0 Supplies and Materials	\$614,423	\$619,266	\$624,718	\$5,452
31.0 Equipment	\$143,099	\$169,779	\$183,544	\$13,765
32.0 Land and Structures	\$23,804	\$22,504	\$23,624	\$1,120
41.0 Grants, Subsidies, and Contributions	\$5,000	-	-	-
42.0 Insurance Claims and Indemnities	\$2,294	\$2,585	\$2,584	(\$1)
Total - Non Pay Object Classes	\$3,310,147	\$3,345,841	\$3,417,812	\$71,971

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

Organization (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Military Pay and Allowances	40,593	40,060	\$3,716,444	41,054	40,514	\$3,851,095	41,463	40,934	\$3,996,812	409	420	\$145,717
Total	40,593	40,060	\$3,716,444	41,054	40,514	\$3,851,095	41,463	40,934	\$3,996,812	409	420	\$145,717
Subtotal Discretionary - Appropriation	40,593	40,060	\$3,716,444	41,054	40,514	\$3,851,095	41,463	40,934	\$3,996,812	409	420	\$145,717

PPA Level I Description

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 (e.g., rank/rate and location in the United States or outside of the country). Medical costs and permanent change of station (PCS) expenses are calculated based on actuarial factors and historic precedent. The FY 2020 Budget includes a 3.1% pay increase for military personnel.

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.

As part of the FY 2020 transition to DHS Common Appropriation Structure (CAS), all personnel costs for Research & Development (R&D) were transferred from the R&D appropriation to the O&S appropriation.

Military Pay and Allowances – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2018	FY 2019	FY 2020
Enacted/Request	\$3,716,444	\$3,851,095	\$3,996,812
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$3,716,444	\$3,851,095	\$3,996,812
Collections – Reimbursable Resources	\$66,560	\$73,522	\$66,050
Total Budget Resources	\$3,783,004	\$3,924,617	\$4,062,862
Obligations (Actual/Estimates/Projections)	\$3,783,004	\$3,924,617	\$4,062,862
Personnel: Positions and FTE			
Enacted/Request Positions	40,593	41,054	41,463
Enacted/Request FTE	40,060	40,514	40,934
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	40,978	41,709	42,305
FTE (Actual/Estimates/Projections)	40,681	41,165	41,759

*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 2018 Enacted			FY 2019 President's Budget			FY 2020 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	\$1,233	6	6	\$887	8	8	\$905
Department of Defense - Department of Defense Source	432	442	\$43,215	567	567	\$60,775	559	545	\$54,338
Department of Health and Human Services - Department Wide Source	-	-	-	1	1	\$160	6	4	-
Department of Homeland Security - Department of Homeland Security Source	87	89	\$10,355	63	61	\$8,682	147	147	\$6,871
Other Anticipated Reimbursables Source	22	18	\$1,833	2	2	\$246	3	3	\$418
Independent Agency - Environmental Protection Agency Source	5	5	\$559	2	2	\$186	6	6	\$102
Department of Justice - Department of Justice Source	2	2	\$337	-	-	-	-	-	-
Department of State - Department of State Source	5	5	\$918	5	5	\$818	14	13	\$1,708
Department of Treasury - Department of the Treasury Source	59	49	\$5,846	-	-	-	90	90	\$480
Department of Transportation - Department of Transportation Source	18	17	\$2,264	1	1	\$135	2	2	\$138
Office of Director of National Intelligence Source	-	-	-	1	1	\$1,080	7	7	\$1,090
Total Collections	638	635	\$66,560	655	651	\$73,522	842	825	\$66,050

Military Pay and Allowances – PPA

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	40,593	40,060	\$3,716,444
FY 2019 President's Budget	41,054	40,514	\$3,851,095
FY 2020 Base Budget	41,054	40,514	\$3,851,095
Transfer to O&S/Personnel & Lease Shift from R&D	17	15	\$2,379
Total Transfers	17	15	\$2,379
Annualization of Prior Year Initiatives	-	208	\$19,256
Annualization of Prior Year Pay Raise - Military	-	-	\$14,965
Budget Year Allowances - Military	-	-	\$26,585
Budget Year Pay Raise - Military	-	-	\$53,706
Transfer	12	6	\$700
Total, Pricing Increases	12	214	\$115,212
Annualization of Prior Year Initiative Reductions	-	(56)	(\$5,756)
PPA Funding Adjustment	(10)	(10)	(\$4,535)
Termination of Prior Year One-Time Costs	-	-	(\$1,250)
Total, Pricing Decreases	(10)	(66)	(\$11,541)
Total Adjustments-to-Base	19	163	\$106,050
FY 2020 Current Services	41,073	40,677	\$3,957,145
Accession Point and TRACEN Instructor Increase	19	10	\$1,299
Acquisition Support Personnel	22	12	\$1,511
Aviation Enhancements in Transit Zones	17	9	\$797
C-27J Aircraft Support Follow-On	2	1	\$100
Counter TCO Initiatives	24	13	\$1,519
Cyber Security and IT Infrastructure	60	30	\$4,410
Fast Response Cutter (FRC) Follow-On	181	112	\$11,050
HC-130J Aircraft Follow-On	38	36	\$3,316
Human Capital and Support Infrastructure	5	3	\$9,542
Information Technology Streamlining	5	3	\$377
Maritime Safety, Security, and Commerce	20	16	\$1,844
National Security Cutter (NSC) Follow-On	193	106	\$10,515
Offshore Patrol Cutter (OPC) Follow-On	42	26	\$2,801

Operations and Support

Military Pay and Allowances – PPA

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
Shore Facility Follow-On	3	2	\$249
Total, Program Increases	631	379	\$49,330
Decommission One High Endurance Cutter (WHEC)	(184)	(92)	(\$7,182)
Decommission Three 110-Foot Patrol Boats	(54)	(27)	(\$2,196)
Eliminate Joint Maritime Test Facility Personnel	(3)	(3)	(\$285)
Total, Program Decreases	(241)	(122)	(\$9,663)
FY 2020 Request	41,463	40,934	\$3,996,812
FY 2019 To FY 2020 Change	409	420	\$145,717

Military Pay and Allowances – PPA Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Military Pay and Allowances	40,593	40,060	\$3,055,902	\$76.04	41,054	40,514	\$3,226,086	\$79.37	41,463	40,934	\$3,362,026	\$81.87	409	420	\$135,940	\$2.5
Total	40,593	40,060	\$3,055,902	\$76.04	41,054	40,514	\$3,226,086	\$79.37	41,463	40,934	\$3,362,026	\$81.87	409	420	\$135,940	\$2.5
Discretionary - Appropriation	40,593	40,060	\$3,055,902	\$76.04	41,054	40,514	\$3,226,086	\$79.37	41,463	40,934	\$3,362,026	\$81.87	409	420	\$135,940	\$2.5

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.6 Military Personnel-Basic Allowance for Housing	\$812,095	\$850,124	\$885,234	\$35,110
11.7 Military Personnel	\$1,964,862	\$2,079,713	\$2,176,431	\$96,718
11.8 Special Personal Services Payments	\$6,966	\$7,307	\$7,647	\$340
12.2 Military Personnel Benefits	\$269,134	\$285,958	\$289,728	\$3,770
13.0 Benefits for Former Personnel	\$2,845	\$2,984	\$2,986	\$2
Total - Personnel Compensation and Benefits	\$3,055,902	\$3,226,086	\$3,362,026	\$135,940
Positions and FTE				
Positions - Military	40,593	41,054	41,463	409
FTE - Military	40,060	40,514	40,934	420

Pay Cost Drivers

Leading Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Military Pay	40,060	\$3,046,091	\$76.04	40,514	\$3,215,795	\$79.37	40,934	\$3,351,393	\$81.87	420	\$135,568	\$2.50
Other Costs	-	\$9,811	-	-	\$10,291	-	-	\$10,633	-	-	\$342	-
Total – Pay Cost Drivers	40,060	\$3,055,902	\$76.28	40,514	\$3,226,086	\$76.63	40,934	\$3,362,026	\$82.13	420	\$135,910	\$5.50

Explanation of Pay Cost Driver

Military Pay: Military and Allowances includes salary, benefits, and housing allowances for military personnel. The FTE change includes the annualization of FY 2019 initiatives and FY 2020 initiatives, including follow-on requirements for new assets delivered via the Coast Guard's acquisition programs (e.g., FRC, OPC, NSC, and HC-130J), increases in the cybersecurity and marine safety workforce, and the transfer of R&D personnel into O&S as part of the FY 2020 CAS transition. The FTE change also reflects decreases due to scheduled asset decommissionings in FY 2020 (e.g., WHEC and WPBs). The rate increase was primarily a result of the FY 2019 military pay raise of 2.6%, the FY 2020 military pay raise of 3.1%, and an increase to military personnel basic allowance for housing (BAH).

Other Costs: This includes service expenses for military personnel, including reimbursable detail for Navy chaplains and special reimbursements for Auxiliaries.

Military Pay and Allowances – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Military Pay and Allowances	\$660,542	\$625,009	\$634,786	\$9,777
Total	\$660,542	\$625,009	\$634,786	\$9,777
Discretionary - Appropriation	\$660,542	\$625,009	\$634,786	\$9,777

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$56,450	\$52,514	\$47,297	(\$5,217)
22.0 Transportation of Things	\$51,807	\$48,014	\$49,697	\$1,683
23.2 Rental Payments to Others	\$3,848	\$3,848	\$3,848	-
23.3 Communications, Utilities, and Misc. Charges	\$136	\$135	\$135	-
24.0 Printing and Reproduction	\$3	\$3	\$3	-
25.1 Advisory and Assistance Services	\$20,297	\$19,406	\$19,406	-
25.2 Other Services from Non-Federal Sources	\$40,336	\$39,284	\$39,284	-
25.3 Other Goods and Services from Federal Sources	\$75,919	\$61,200	\$61,037	(\$163)
25.4 Operation and Maintenance of Facilities	\$93	\$93	\$93	-
25.6 Medical Care	\$344,526	\$343,944	\$357,443	\$13,499
25.7 Operation and Maintenance of Equipment	\$6,876	\$6,386	\$6,386	-
26.0 Supplies and Materials	\$57,554	\$47,486	\$47,486	-
31.0 Equipment	\$723	\$722	\$697	(\$25)
42.0 Insurance Claims and Indemnities	\$1,974	\$1,974	\$1,974	-
Total - Non Pay Object Classes	\$660,542	\$625,009	\$634,786	\$9,777

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Military Health Care	\$459,974	\$436,384	\$449,669	\$13,285
Permanent Change of Station	\$166,031	\$155,996	\$152,492	(\$3,504)
Other Costs	\$34,537	\$32,629	\$32,625	(\$4)
Total – Non Pay Cost Drivers	\$660,542	\$625,009	\$634,786	\$9,777

Explanation of Non Pay Cost Drivers

Military Health Care: The request is derived from actuarial projections of medical costs to support military personnel. This reflects cost changes that affect all FTE. The increase is primarily driven by the Electronic Health Records Acquisition funds request.

Permanent Change of Station: The request is refined from historical analysis of costs associated with moving military personnel between duty stations.

Other Costs: The request reflects miscellaneous military support costs, including leased housing and initial uniform clothing allotments for new recruits.

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

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Civilian Pay and Benefits	8,084	7,121	\$847,678	8,646	7,595	\$929,385	8,920	7,828	\$986,429	274	233	\$57,044
Total	8,084	7,121	\$847,678	8,646	7,595	\$929,385	8,920	7,828	\$986,429	274	233	\$57,044
Subtotal Discretionary - Appropriation	8,084	7,121	\$847,678	8,646	7,595	\$929,385	8,920	7,828	\$986,429	274	233	\$57,044

PPA Level I Description

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 2020 Budget also includes funding for retirement contributions for the Federal Employee Retirement System (FERS).

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.

As part of the FY 2020 transition to DHS Common Appropriation Structure (CAS), all personnel costs for Research & Development (R&D) were transferred from the R&D appropriation to the O&S appropriation.

Civilian Pay and Benefits – PPA Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$847,678	\$929,385	\$986,429
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	(\$4,000)	-	-
Supplementals	-	-	-
Total Budget Authority	\$843,678	\$929,385	\$986,429
Collections – Reimbursable Resources	\$29,224	\$25,092	\$25,092
Total Budget Resources	\$872,902	\$954,477	\$1,011,521
Obligations (Actual/Estimates/Projections)	\$872,902	\$954,477	\$1,011,521
Personnel: Positions and FTE			
Enacted/Request Positions	8,084	8,646	8,920
Enacted/Request FTE	7,121	7,595	7,828
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	7,116	8,891	9,165
FTE (Actual/Estimates/Projections)	7,093	7,834	8,067

Civilian Pay and Benefits – PPA Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture Source	-	-	-	4	2	\$211	4	2	\$211
Department of Commerce - Department of Commerce Source	-	-	-	2	2	\$263	2	2	\$263
Department of Defense - Department of Defense Source	178	165	\$19,956	34	34	\$5,305	34	34	\$5,305
Department of Health and Human Services - Department Wide Source	-	-	-	16	12	\$905	16	12	\$905
Department of Homeland Security - Department of Homeland Security Source	36	34	\$4,620	161	161	\$15,702	161	161	\$15,702
Other Anticipated Reimbursables Source	9	7	\$885	7	7	\$916	7	7	\$916
Independent Agency - Environmental Protection Agency Source	2	2	\$273	4	4	\$470	4	4	\$470
Department of Labor - Department of Labor Source	-	-	-	2	2	\$185	2	2	\$185
Department of State - Department of State Source	-	-	-	1	1	\$178	1	1	\$178
Department of Treasury - Department of the Treasury Source	24	19	\$2,561	1	1	\$187	1	1	\$187
Department of Transportation - Department of Transportation Source	8	7	\$929	6	6	\$562	6	6	\$562
Office of Director of National Intelligence Source	-	-	-	7	7	\$208	7	7	\$208
Total Collections	257	234	\$29,224	245	239	\$25,092	245	239	\$25,092

Civilian Pay and Benefits – PPA Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2018 Enacted	8,084	7,121	\$847,678
FY 2019 President's Budget	8,646	7,595	\$929,385
FY 2020 Base Budget	8,646	7,595	\$929,385
Transfer to O&S/Personnel & Lease Shift from R&D	79	68	\$10,360
Total Transfers	79	68	\$10,360
Annualization of Prior Year Initiatives	-	51	\$6,851
Budget Year Allowances - Civilian	-	-	\$3,753
FERS Agency Contribution	-	-	\$15,615
PPA Funding Adjustment	10	10	\$5,640
Transfer	12	6	\$942
Total, Pricing Increases	22	67	\$32,801
Total Adjustments-to-Base	101	135	\$43,161
FY 2020 Current Services	8,747	7,730	\$972,546
Acquisition Support Personnel	38	20	\$2,807
Aviation Life Support Equipment Centralization	1	1	\$96
C-27J Aircraft Support Follow-On	2	2	\$105
Counter TCO Initiatives	24	13	\$1,779
Cyber Security and IT Infrastructure	15	8	\$1,160
HC-130J Aircraft Follow-On	2	1	\$128
Human Capital and Support Infrastructure	20	16	\$2,983
Increase Counterintelligence Infrastructure	5	3	\$538
Increase Counterintelligence Personnel and Mission Support	1	-	\$54
Information Technology Streamlining	41	21	\$2,821
Maritime Safety, Security, and Commerce	7	4	\$529
National Security Cutter (NSC) Follow-On	6	4	\$331
Offshore Patrol Cutter (OPC) Follow-On	10	5	\$570
Shore Facility Follow-On	3	2	\$149
Total, Program Increases	175	100	\$14,050
Administrative Program Reductions	(1)	(1)	(\$77)
Eliminate Joint Maritime Test Facility Personnel	(1)	(1)	(\$90)

Operations and Support**Civilian Pay and Benefits – PPA**

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
Total, Program Decreases	(2)	(2)	(\$167)
FY 2020 Request	8,920	7,828	\$986,429
FY 2019 To FY 2020 Change	274	233	\$57,044

Civilian Pay and Benefits – PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Civilian Pay and Benefits	8,084	7,121	\$844,264	\$118.48	8,646	7,595	\$924,194	\$121.61	8,920	7,828	\$981,234	\$125.27	274	233	\$57,040	\$3.66
Total	8,084	7,121	\$844,264	\$118.48	8,646	7,595	\$924,194	\$121.61	8,920	7,828	\$981,234	\$125.27	274	233	\$57,040	\$3.66
Discretionary - Appropriation	8,084	7,121	\$844,264	\$118.48	8,646	7,595	\$924,194	\$121.61	8,920	7,828	\$981,234	\$125.27	274	233	\$57,040	\$3.66

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$607,219	\$664,158	\$691,803	\$27,645
11.3 Other than Full-Time Permanent	\$3,969	\$4,354	\$4,546	\$192
11.5 Other Personnel Compensation	\$21,702	\$23,807	\$24,669	\$862
11.8 Special Personal Services Payments	-	-	\$1	\$1
12.1 Civilian Personnel Benefits	\$210,832	\$231,280	\$259,619	\$28,339
13.0 Benefits for Former Personnel	\$542	\$595	\$596	\$1
Total - Personnel Compensation and Benefits	\$844,264	\$924,194	\$981,234	\$57,040
Positions and FTE				
Positions - Civilian	8,084	8,646	8,920	274
FTE - Civilian	7,121	7,595	7,828	233

Pay Cost Drivers

Leading Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Pay and Allowances	7,121	\$843,722	\$118.48	7,595	\$923,599	\$121.61	7,828	\$980,638	\$125.27	233	\$57,039	\$3.66
Other Costs	-	\$542	-	-	\$595	-	-	\$596	-	-	\$1	-
Total – Pay Cost Drivers	7,121	\$844,264	\$118.56	7,595	\$924,194	\$121.68	7,828	\$981,234	\$125.27	233	\$57,040	\$3.66

Explanation of Pay Cost Drivers

Civilian Pay and Allowances: Civilian Pay and Allowances includes salary, benefits, awards, overtime, and other personnel compensation for civilian personnel. The FTE change reflects the annualization of FY 2019 initiatives, and FY 2020 initiatives, including the transfer of R&D personnel to O&S, acquisition support personnel, human capital investments, cybersecurity and IT infrastructure enhancements, and Counter Transnational Criminal Organization (TCO) initiatives; and decreases due to efficiencies. The rate increase of civilian pay was driven by the increase for the Federal Employee Retirement System benefits (2.3% for most employees; 3.3% for law enforcement personnel).

Other Costs: This includes civilian special personal services payments and benefits to civilian personnel who incur a civilian salary reduction when activated by the Reserve component.

Civilian Pay and Benefits – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Civilian Pay and Benefits	\$3,414	\$5,191	\$5,195	\$4
Total	\$3,414	\$5,191	\$5,195	\$4
Discretionary - Appropriation	\$3,414	\$5,191	\$5,195	\$4

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$1,429	\$2,021	\$2,022	\$1
22.0 Transportation of Things	\$668	\$1,261	\$1,264	\$3
25.2 Other Services from Non-Federal Sources	\$100	\$100	\$100	-
25.3 Other Goods and Services from Federal Sources	\$1,217	\$1,809	\$1,809	-
Total - Non Pay Object Classes	\$3,414	\$5,191	\$5,195	\$4

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Civilian Support	\$3,414	\$5,191	\$5,195	\$4
Total – Non Pay Cost Drivers	\$3,414	\$5,191	\$5,195	\$4

Explanation of Non Pay Cost Driver

Civilian Support: The request reflects increases for miscellaneous civilian personnel support costs (e.g., relocation, transit benefits, and legal settlements).

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

Organization (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Training and Recruiting	-	-	\$191,015	-	-	\$187,991	-	-	\$194,930	-	-	\$6,939
Total	-	-	\$191,015	-	-	\$187,991	-	-	\$194,930	-	-	\$6,939
Subtotal Discretionary - Appropriation	-	-	\$191,015	-	-	\$187,991	-	-	\$194,930	-	-	\$6,939

PPA Level I Description

The Training and Recruiting PPA provides funding for the Coast Guard's basic and advanced professional training and education programs. Additionally, it funds the Operations and Maintenance (O&M) of the eight national Coast Guard training centers, nine regional training centers, the Coast Guard Academy, and Coast Guard recruiting centers and efforts.

Coast Guard Basic Training is responsible for up to 4,500 enlisted recruits and the Coast Guard Academy commissions 300 officers through various programs. In addition, advanced and specialized training is conducted for both enlisted and officers to ensure a ready workforce to meet mission needs.

The Training and Recruiting PPA includes essential funding to recruit and process Coast Guard applicants into the officer and enlisted corps. In addition, funding provides tuition, travel, and per diem for formal training and education performed by military service members and civilian personnel. It also provides resources to ensure the Coast Guard is recruiting a robust and diverse workforce. Through internal and external efficiency reviews and prioritization efforts, it ensures prudent allocation of resources for training and workforce preparation that enable the Coast Guard to execute its missions.

The Coast Guard maintains a rigorous set of standards 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 provides resources for opportunities provided through DHS and DOD training facilities, other Government agencies, and commercial providers. Training and education are conducted by dedicated resident staff in classroom environments and through exportable training, correspondence courses, and/or computer-based training.

Training and Recruiting PPA Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$191,015	\$187,991	\$194,930
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$191,015	\$187,991	\$194,930
Collections – Reimbursable Resources	-	\$2,100	\$2,115
Total Budget Resources	\$191,015	\$190,091	\$197,045
Obligations (Actual/Estimates/Projections)	\$191,015	\$190,091	\$197,045
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)	-	-	-

Training and Recruiting – PPA Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	-	-	\$191,015
FY 2019 President's Budget	-	-	\$187,991
FY 2020 Base Budget	-	-	\$187,991
Transfer to O&S/Personnel & Lease Shift from R&D	-	-	\$152
Total Transfers	-	-	\$152
Annualization of Prior Year Initiatives	-	-	\$1,297
PPA Funding Adjustment	-	-	\$1,621
Transfer	-	-	\$28
Total, Pricing Increases	-	-	\$2,946
Annualization of Prior Year Initiative Reductions	-	-	(\$893)
Termination of Prior Year One-Time Costs	-	-	(\$805)
Total, Pricing Decreases	-	-	(\$1,698)
Total Adjustments-to-Base	-	-	\$1,400
FY 2020 Current Services	-	-	\$189,391
Accession Point and TRACEN Instructor Increase	-	-	\$320
Acquisition Support Personnel	-	-	\$75
Aviation Enhancements in Transit Zones	-	-	\$268
C-27J Aircraft Support Follow-On	-	-	\$22
Counter TCO Initiatives	-	-	\$94
Cyber Security and IT Infrastructure	-	-	\$223
Fast Response Cutter (FRC) Follow-On	-	-	\$768
HC-130J Aircraft Follow-On	-	-	\$422
Human Capital and Support Infrastructure	-	-	\$2,257
Increase Counterintelligence Infrastructure	-	-	\$1
Information Technology Streamlining	-	-	\$30
Maritime Safety, Security, and Commerce	-	-	\$244
National Security Cutter (NSC) Follow-On	-	-	\$865
Offshore Patrol Cutter (OPC) Follow-On	-	-	\$304
Rescue & Survival and Training Equipment Refresh	-	-	\$173
Shore Facility Follow-On	-	-	\$13

Operations and Support
Training and Recruiting – PPA

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
Total, Program Increases	-	-	\$6,079
Aviation Life Support Equipment Centralization	-	-	(\$133)
Decommission One High Endurance Cutter (WHEC)	-	-	(\$304)
Decommission Three 110-Foot Patrol Boats	-	-	(\$87)
Eliminate Joint Maritime Test Facility Personnel	-	-	(\$16)
Total, Program Decreases	-	-	(\$540)
FY 2020 Request	-	-	\$194,930
FY 2019 To FY 2020 Change	-	-	\$6,939

Training and Recruiting – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Training and Recruiting	\$191,015	\$187,991	\$194,930	\$6,939
Total	\$191,015	\$187,991	\$194,930	\$6,939
Discretionary - Appropriation	\$191,015	\$187,991	\$194,930	\$6,939

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$46,516	\$47,555	\$49,060	\$1,505
22.0 Transportation of Things	\$7,026	\$7,026	\$7,026	-
23.2 Rental Payments to Others	\$2,448	\$2,448	\$2,448	-
23.3 Communications, Utilities, and Misc. Charges	\$10,860	\$10,694	\$10,757	\$63
24.0 Printing and Reproduction	\$379	\$379	\$379	-
25.1 Advisory and Assistance Services	\$15,393	\$11,991	\$14,600	\$2,609
25.2 Other Services from Non-Federal Sources	\$59,736	\$59,796	\$60,320	\$524
25.3 Other Goods and Services from Federal Sources	\$7,504	\$8,147	\$9,915	\$1,768
25.4 Operation and Maintenance of Facilities	\$8,736	\$8,736	\$8,763	\$27
25.7 Operation and Maintenance of Equipment	\$6,065	\$4,761	\$4,860	\$99
25.8 Subsistence & Support of Persons	\$1,008	\$1,023	\$1,049	\$26
26.0 Supplies and Materials	\$21,963	\$22,102	\$22,314	\$212
31.0 Equipment	\$3,381	\$3,333	\$3,439	\$106
Total - Non Pay Object Classes	\$191,015	\$187,991	\$194,930	\$6,939

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Training and Education	\$93,800	\$90,154	\$95,121	\$4,967
Recruiting and Training Centers	\$97,215	\$97,837	\$99,809	\$1,972
Total – Non Pay Cost Drivers	\$191,015	\$187,991	\$194,930	\$6,939

Explanation of Non Pay Cost Drivers

Training and Education: Funding supports formal training, including temporary duty entitlements (e.g., per diem) and travel costs for military and civilian personnel. The change is primarily driven by the implementation of Credentialing, Certification, and Licensing (CCL) requirements outlined in the 2015 NDAA to establish a credentialing and licensing program for service members. The change also reflects both one-time and recurring training costs associated with bringing new assets (e.g., NSC, OPC, FRC, and HC-130J) into service, including training requirements for the crews and support personnel.

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 as well as the increase of instructors at accession points and “A” and “C” schools provided at Coast Guard training centers.

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

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Operating Funds and Unit Level Maintenance	-	-	\$897,171	-	-	\$907,894	-	-	\$927,674	-	-	\$19,780
Total	-	-	\$897,171	-	-	\$907,894	-	-	\$927,674	-	-	\$19,780
Subtotal Discretionary - Appropriation	-	-	\$897,171	-	-	\$907,894	-	-	\$927,674	-	-	\$19,780

PPA Level I Description

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 or Pacific Area Commanders. These include National Security Cutters (NSCs); High and Medium Endurance Cutters (WHECs/WMECs); Sectors; Patrol Boats; Multi-mission Boat Stations; Air Stations; Communication Stations; Deployable Specialized Forces; support commands; and Area and District Offices. The funding provides supplies, materials, and services that allow the Coast Guard to sustain operations and provide 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 2018	FY 2019	FY 2020
Enacted/Request	\$897,171	\$907,894	\$927,674
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$14,745	\$46,775	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	\$112,136	-	-
Total Budget Authority	\$1,024,052	\$954,669	\$927,674
Collections – Reimbursable Resources	\$121,847	\$125,582	\$163,862
Total Budget Resources	\$1,145,899	\$1,080,251	\$1,091,536
Obligations (Actual/Estimates/Projections)	\$1,099,124	\$1,080,251	\$1,091,536
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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Department of Agriculture - Department of Agriculture	Source	-	-	-	-	-	\$33	-	-	\$33
Department of Commerce - Department of Commerce	Source	-	-	-	-	-	\$1,429	-	-	\$1,429
Department of Defense - Department of Defense	Source	-	-	-	-	-	\$70,511	-	-	\$55,361
Department of Health and Human Services - Department Wide	Source	-	-	-	-	-	\$43	-	-	\$12
Department of Homeland Security - Department of Homeland Security	Source	-	-	-	-	-	\$17,729	-	-	\$17,729
Department of Homeland Security - Federal Emergency Management Agency	Source	-	-	\$18	-	-	-	-	-	\$53,011
Other Anticipated Reimbursables	Source	-	-	-	-	-	\$16,150	-	-	\$16,150
Independent Agency - Environmental Protection Agency	Source	-	-	-	-	-	\$4,044	-	-	\$3,785
Operational Reimbursements	Source	-	-	\$121,829	-	-	-	-	-	-
Department of Labor - Department of Labor	Source	-	-	-	-	-	\$194	-	-	\$194
Department of State - Department of State	Source	-	-	-	-	-	\$14,376	-	-	\$14,376
Department of Treasury - Department of the Treasury	Source	-	-	-	-	-	\$817	-	-	\$817
Department of Transportation - Department of Transportation	Source	-	-	-	-	-	\$216	-	-	\$216
Office of Director of National Intelligence	Source	-	-	-	-	-	\$40	-	-	\$749
Total Collections		-	-	\$121,847	-	-	\$125,582	-	-	\$163,862

Operating Funds and Unit Level Maintenance – PPA

Summary of Budget Changes

Budget Formulation Activity (Dollars in Thousands)	Positions	FTE	Amount
FY 2018 Enacted	-	-	\$897,171
FY 2019 President's Budget	-	-	\$907,894
FY 2020 Base Budget	-	-	\$907,894
Transfer to MGMT/CFO from USCG for Bankcard Program	-	-	(\$3)
Transfer to MGMT/CFO from USCG for Integrated Audit	-	-	(\$3,343)
Transfer to MGMT/CFO from USCG for TIER	-	-	(\$105)
Transfer to MGMT/OCHCO from USCG for Medical Case Management	-	-	(\$16)
Transfer to MGMT/OCRSO from USCG for Integrated Security Management System	-	-	(\$216)
Transfer to MGMT/OCRSO from USCG for Medical St. Elizabeths Shuttle	-	-	(\$1,624)
Total Transfers	-	-	(\$5,307)
Annualization of Prior Year Initiatives	-	-	\$8,557
Total, Pricing Increases	-	-	\$8,557
Annualization of Prior Year Initiative Reductions	-	-	(\$3,493)
PPA Funding Adjustment	-	-	(\$2,394)
Termination of Prior Year One-Time Costs	-	-	(\$3,288)
Transfer	-	-	(\$1,747)
Total, Pricing Decreases	-	-	(\$10,922)
Total Adjustments-to-Base	-	-	(\$7,672)
FY 2020 Current Services	-	-	\$900,222
Accession Point and TRACEN Instructor Increase	-	-	\$55
Acquisition Support Personnel	-	-	\$435
Aviation Enhancements in Transit Zones	-	-	\$272
C-27J Aircraft Support Follow-On	-	-	\$17
Counter TCO Initiatives	-	-	\$2,208
Cyber Security and IT Infrastructure	-	-	\$4,734
Fast Response Cutter (FRC) Follow-On	-	-	\$5,829
HC-130J Aircraft Follow-On	-	-	\$1,393
Human Capital and Support Infrastructure	-	-	\$184
Increase Counterintelligence Infrastructure	-	-	\$72
Increase Counterintelligence Personnel and Mission Support	-	-	\$9

Operations and Support
Operating Funds and Unit Level Maintenance – PPA

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
Information Technology Streamlining	-	-	\$123
Maritime Safety, Security, and Commerce	-	-	\$3,364
National Security Cutter (NSC) Follow-On	-	-	\$1,228
Offshore Patrol Cutter (OPC) Follow-On	-	-	\$1,247
Rescue & Survival and Training Equipment Refresh	-	-	\$6,101
Shore Facility Follow-On	-	-	\$1,997
Total, Program Increases	-	-	\$29,268
Administrative Program Reductions	-	-	(\$501)
Aviation Life Support Equipment Centralization	-	-	(\$60)
Decommission One High Endurance Cutter (WHEC)	-	-	(\$949)
Decommission Three 110-Foot Patrol Boats	-	-	(\$289)
Eliminate Joint Maritime Test Facility Personnel	-	-	(\$17)
Total, Program Decreases	-	-	(\$1,816)
FY 2020 Request	-	-	\$927,674
FY 2019 To FY 2020 Change	-	-	\$19,780

Operating Funds and Unit Level Maintenance – PPA

Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Operating Funds and Unit Level Maintenance	\$897,171	\$907,894	\$927,674	\$19,780
Total	\$897,171	\$907,894	\$927,674	\$19,780
Discretionary - Appropriation	\$897,171	\$907,894	\$927,674	\$19,780

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$116,757	\$121,036	\$122,129	\$1,093
22.0 Transportation of Things	\$37,336	\$37,336	\$37,385	\$49
23.2 Rental Payments to Others	\$24,663	\$24,663	\$24,808	\$145
23.3 Communications, Utilities, and Misc. Charges	\$72,933	\$72,215	\$73,248	\$1,033
24.0 Printing and Reproduction	\$2,712	\$2,712	\$2,712	-
25.1 Advisory and Assistance Services	\$17,548	\$17,432	\$13,455	(\$3,977)
25.2 Other Services from Non-Federal Sources	\$157,118	\$153,298	\$156,713	\$3,415
25.3 Other Goods and Services from Federal Sources	\$58,040	\$55,738	\$52,174	(\$3,564)
25.4 Operation and Maintenance of Facilities	\$51,879	\$57,924	\$60,831	\$2,907
25.6 Medical Care	\$179	\$179	\$163	(\$16)
25.7 Operation and Maintenance of Equipment	\$10,565	\$17,223	\$19,045	\$1,822
25.8 Subsistence & Support of Persons	\$960	\$960	\$1,106	\$146
26.0 Supplies and Materials	\$288,294	\$293,502	\$303,214	\$9,712
31.0 Equipment	\$52,757	\$53,246	\$60,261	\$7,015
32.0 Land and Structures	\$110	\$110	\$110	-
41.0 Grants, Subsidies, and Contributions	\$5,000	-	-	-
42.0 Insurance Claims and Indemnities	\$320	\$320	\$320	-
Total - Non Pay Object Classes	\$897,171	\$907,894	\$927,674	\$19,780

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Area Commands	\$161,695	\$164,019	\$163,844	(\$175)
District Area Commands	\$288,151	\$298,672	\$299,577	\$905
Headquarters	\$226,273	\$205,207	\$215,646	\$10,439
Logistics and Service Centers	\$221,052	\$239,996	\$248,607	\$8,611
Total – Non Pay Cost Drivers	\$897,171	\$907,894	\$927,674	\$19,780

Explanation of Non Pay Cost Drivers

Area Commands: The request funds all units, facilities, and activities that are under the direct operational control of the Coast Guard's Atlantic and Pacific Area Commanders. This change reflects the follow-on funding for the ninth NSC in Atlantic Area as well as the annualization of FY 2019 initiatives, the initial crew for the first OPC, and the decommissioning of one WHEC in Pacific Area.

District Area Commands: The request funds all units, facilities, and activities that are under the direct operational control of the Coast Guard's District Commanders. The increase is primarily driven by follow-on funding for the FRC and HC-130J aircraft. The decrease reflects the centralization of funds associated with the Aviation Life Support Equipment Efficiency and the annualization of HC-130H decommissionings in FY 2019.

Headquarters: The request funds Coast Guard Headquarters and centralized activities, which support field operations. The change reflects increases for follow-on funding to facilitate the efficient execution and oversight of NSC, OPC, and FRC operations, including shore facility follow-on for new assets, classified terminals for cybersecurity teams, the marine inspector workforce redesign contract support, rescue & survival equipment to be distributed to field units, and counter transnational criminal organization initiatives (e.g., support for FRCs and Digital Media Exploitation terminal recapitalization).

Logistics and Service Centers: The request funds all units, facilities, and activities under the direct control of Coast Guard Operational Commanders. The change is primarily driven by the costs for modernization of marine inspector training, consolidation of funding for the Aviation Life Support Equipment Efficiency, and follow-on funding for the FRC, OPC, and NSC.

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

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Centrally Managed Accounts	-	-	\$142,788	-	-	\$143,641	-	-	\$150,236	-	-	\$6,595
Total	-	-	\$142,788	-	-	\$143,641	-	-	\$150,236	-	-	\$6,595
Subtotal Discretionary - Appropriation	-	-	\$142,788	-	-	\$143,641	-	-	\$150,236	-	-	\$6,595

PPA Level I Description

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

Centrally Managed Accounts – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2018	FY 2019	FY 2020
Enacted/Request	\$142,788	\$143,641	\$150,236
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$142,788	\$143,641	\$150,236
Collections – Reimbursable Resources	-	\$1,602	\$1,602
Total Budget Resources	\$142,788	\$145,243	\$151,838
Obligations (Actual/Estimates/Projections)	\$142,788	\$145,243	\$151,838
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 2018 Enacted	-	-	\$142,788
FY 2019 President's Budget	-	-	\$143,641
FY 2020 Base Budget	-	-	\$143,641
Transfer to MGMT/CIO from USCG for CPIC	-	-	(\$942)
Transfer to MGMT/CPO from USCG for CPO Shared Reporting	-	-	(\$548)
Transfer to MGMT/OCRSO from USCG for Field Efficiencies	-	-	(\$443)
Transfer to O&S/Personnel & Lease Shift from R&D	-	-	\$1,306
Total Transfers	-	-	(\$627)
Annualization of Prior Year Initiatives	-	-	\$47
GSA Rent and Security Increases	-	-	\$6,711
Total, Pricing Increases	-	-	\$6,758
Annualization of Prior Year Initiative Reductions	-	-	(\$40)
Termination of Prior Year One-Time Costs	-	-	(\$58)
Total, Pricing Decreases	-	-	(\$98)
Total Adjustments-to-Base	-	-	\$6,033
FY 2020 Current Services	-	-	\$149,674
Acquisition Support Personnel	-	-	\$257
Aviation Enhancements in Transit Zones	-	-	\$68
Counter TCO Initiatives	-	-	\$68
Cyber Security and IT Infrastructure	-	-	\$41
Fast Response Cutter (FRC) Follow-On	-	-	\$40
HC-130J Aircraft Follow-On	-	-	\$25
Human Capital and Support Infrastructure	-	-	\$18
Maritime Safety, Security, and Commerce	-	-	\$21
Offshore Patrol Cutter (OPC) Follow-On	-	-	\$24
Total, Program Increases	-	-	\$562
FY 2020 Request	-	-	\$150,236
FY 2019 To FY 2020 Change	-	-	\$6,595

Centrally Managed Accounts – PPA Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Centrally Managed Accounts	\$142,788	\$143,641	\$150,236	\$6,595
Total	\$142,788	\$143,641	\$150,236	\$6,595
Discretionary - Appropriation	\$142,788	\$143,641	\$150,236	\$6,595

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 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	\$55,227	\$56,032	\$64,548	\$8,516
23.3 Communications, Utilities, and Misc. Charges	\$13,056	\$13,056	\$13,056	-
25.1 Advisory and Assistance Services	\$1,875	\$1,875	\$1,875	-
25.2 Other Services from Non-Federal Sources	\$2,147	\$2,097	\$2,097	-
25.3 Other Goods and Services from Federal Sources	\$44,810	\$44,810	\$42,877	(\$1,933)
25.4 Operation and Maintenance of Facilities	\$361	\$361	\$361	-
25.7 Operation and Maintenance of Equipment	\$7,910	\$7,910	\$7,915	\$5
26.0 Supplies and Materials	\$8,276	\$8,314	\$8,370	\$56
31.0 Equipment	\$6,065	\$6,125	\$6,076	(\$49)
Total - Non Pay Object Classes	\$142,788	\$143,641	\$150,236	\$6,595

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Working Capital Fund	\$70,091	\$65,042	\$61,510	(\$3,532)
Other Costs	\$72,697	\$78,599	\$88,726	\$10,127
Total – Non Pay Cost Drivers	\$142,788	\$143,641	\$150,236	\$6,595

Explanation of Non Pay Cost Drivers

Working Capital Fund: The request funds the Coast Guard's contribution to the DHS Working Capital Fund (WCF). In addition, the change reflects the net decreases to WCF bills, including transfers to the DHS Chief Information Officer (CIO) and DHS Chief Procurement Officer (CPO).

Other Costs: The request funds centrally managed services provided to the entire Coast Guard, such as GSA rent (other than St. Elizabeths, which is paid out of the Working Capital Fund) and ammunition replenishment. The change is primarily driven by GSA rent increases and the transfer of RDC rent into O&S appropriation to align with DHS CAS.

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

Organization (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Intermediate and Depot Level Maintenance	-	-	\$1,415,217	-	-	\$1,442,048	-	-	\$1,478,270	-	-	\$36,222
Total	-	-	\$1,415,217	-	-	\$1,442,048	-	-	\$1,478,270	-	-	\$36,222
Subtotal Discretionary - Appropriation	-	-	\$1,415,217	-	-	\$1,442,048	-	-	\$1,478,270	-	-	\$36,222

PPA Level I Description

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, Computer, 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 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 2018	FY 2019	FY 2020
Enacted/Request	\$1,415,217	\$1,442,048	\$1,478,270
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	(\$16,500)	-	-
Supplementals	-	-	-
Total Budget Authority	\$1,398,717	\$1,442,048	\$1,478,270
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$1,398,717	\$1,442,048	\$1,478,270
Obligations (Actual/Estimates/Projections)	\$1,398,717	\$1,442,048	\$1,478,270
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 2018 Enacted	-	-	\$1,415,217
FY 2019 President's Budget	-	-	\$1,442,048
FY 2020 Base Budget	-	-	\$1,442,048
Transfer to O&S/Personnel & Lease Shift from R&D	-	-	\$200
Total Transfers	-	-	\$200
Annualization of Prior Year Initiatives	-	-	\$14,480
Transfer	-	-	\$77
Total, Pricing Increases	-	-	\$14,557
Annualization of Prior Year Initiative Reductions	-	-	(\$6,825)
PPA Funding Adjustment	-	-	(\$332)
Termination of Prior Year One-Time Costs	-	-	(\$26,692)
Total, Pricing Decreases	-	-	(\$33,849)
Total Adjustments-to-Base	-	-	(\$19,092)
FY 2020 Current Services	-	-	\$1,422,956
Accession Point and TRACEN Instructor Increase	-	-	\$427
Acquisition Support Personnel	-	-	\$374
Aircraft FAA Compliance & Obsolete Equipment Replacement	-	-	\$22,210
Aviation Enhancements in Transit Zones	-	-	\$70
Aviation Life Support Equipment Centralization	-	-	\$48
C-27J Aircraft Support Follow-On	-	-	\$348
Counter TCO Initiatives	-	-	\$863
Cutter Underway Connectivity	-	-	\$302
Cyber Security and IT Infrastructure	-	-	\$5,613
Fast Response Cutter (FRC) Follow-On	-	-	\$6,567
HC-130J Aircraft Follow-On	-	-	\$2,772
Human Capital and Support Infrastructure	-	-	\$439
Increase Counterintelligence Infrastructure	-	-	\$489
Increase Counterintelligence Personnel and Mission Support	-	-	\$8
Maritime Safety, Security, and Commerce	-	-	\$195
MILSATCOM Obsolete Equipment Replacement	-	-	\$6,871

Operations and Support

Intermediate and Depot Level Maintenance – PPA

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
National Security Cutter (NSC) Follow-On	-	-	\$1,507
Offshore Patrol Cutter (OPC) Follow-On	-	-	\$1,220
Rescue & Survival and Training Equipment Refresh	-	-	\$2
Restoring Depot Readiness	-	-	\$9,952
Shore Facility Follow-On	-	-	\$2,906
Total, Program Increases	-	-	\$63,183
Administrative Program Reductions	-	-	(\$4)
Decommission One High Endurance Cutter (WHEC)	-	-	(\$838)
Decommission Three 110-Foot Patrol Boats	-	-	(\$3)
Information Technology Streamlining	-	-	(\$7,024)
Total, Program Decreases	-	-	(\$7,869)
FY 2020 Request	-	-	\$1,478,270
FY 2019 To FY 2020 Change	-	-	\$36,222

Intermediate and Depot Level Maintenance – PPA

Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Intermediate and Depot Level Maintenance	\$1,415,217	\$1,442,048	\$1,478,270	\$36,222
Total	\$1,415,217	\$1,442,048	\$1,478,270	\$36,222
Discretionary - Appropriation	\$1,415,217	\$1,442,048	\$1,478,270	\$36,222

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$12,214	\$11,352	\$11,447	\$95
22.0 Transportation of Things	\$13,542	\$13,542	\$13,582	\$40
23.2 Rental Payments to Others	\$1,548	\$1,548	\$1,497	(\$51)
23.3 Communications, Utilities, and Misc. Charges	\$59,496	\$66,695	\$62,427	(\$4,268)
24.0 Printing and Reproduction	\$61	\$61	\$61	-
25.1 Advisory and Assistance Services	\$67,843	\$66,334	\$72,262	\$5,928
25.2 Other Services from Non-Federal Sources	\$129,059	\$135,335	\$139,348	\$4,013
25.3 Other Goods and Services from Federal Sources	\$8,781	\$9,276	\$9,313	\$37
25.4 Operation and Maintenance of Facilities	\$138,487	\$142,971	\$147,723	\$4,752
25.7 Operation and Maintenance of Equipment	\$641,983	\$624,219	\$646,507	\$22,288
26.0 Supplies and Materials	\$238,336	\$242,226	\$237,776	(\$4,450)
31.0 Equipment	\$80,173	\$106,095	\$112,813	\$6,718
32.0 Land and Structures	\$23,694	\$22,394	\$23,514	\$1,120
Total - Non Pay Object Classes	\$1,415,217	\$1,442,048	\$1,478,270	\$36,222

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Aeronautical Depot Level Maintenance	\$348,756	\$350,810	\$347,939	(\$2,871)
Electronics Maintenance	\$594,172	\$610,041	\$628,043	\$18,002
Civil/Ocean Engineering and Shore Facilities Depot Level Maintenance	\$193,027	\$195,192	\$201,226	\$6,034
Vessel Depot Level Maintenance	\$279,262	\$286,005	\$301,062	\$15,057
Total – Non Pay Cost Drivers	\$1,415,217	\$1,442,048	\$1,478,270	\$36,222

Explanation of Non Pay Cost Drivers

Aeronautical Depot Level Maintenance: The request funds the Coast Guard's depot level maintenance for the Service's aircraft using a blend of organic maintenance and repair infrastructure and contracted maintenance activities. The change is primarily driven by the continued effort to address aircraft Federal Aviation Administration (FAA) compliance requirements and replacement of obsolete aircraft equipment, as well as funding to begin to address the spare parts shortfall in the aviation fleet. The overall decrease includes the reduction of one-time FY 2019 costs associated with FAA compliance requirements and replacement of obsolete equipment.

Electronics Maintenance: The request 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 maintenance activities. The change is primarily driven by increased airtime for cutter underway connectivity, Mobile User Objective System (MUOS) integration with existing Military Satellite Communications (MILSATCOM) Ultra High Frequency (UHF) communications capabilities, and information display improvements to Coast Guard Command Centers. The change also includes increases for electronics depot maintenance requirements driven by cybersecurity enhancements for the Common IT Platform, classified terminals for the cybersecurity workforce, follow-on funding for FRCs, and decreases associated with IT efficiencies.

Civil/Ocean Engineering and Shore Facilities Depot Level Maintenance: The request 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 maintenance activities. The change is primarily driven by follow-on funding to maintain and operate recapitalized shore facilities in support of operational assets delivered in FY 2020.

Vessel Depot Level Maintenance: The request funds the Coast Guard's depot level maintenance for the Service's vessels using a blend of organic maintenance and repair infrastructure and contracted maintenance activities. The change is primarily driven by follow-on funding for the annualization of FY 2019 NSC follow-on and FRC follow-on and follow-on funding for the current FRC request, as well as funding to begin to address the spare parts shortfall in the surface fleet causing a backlog of deferred maintenance due to lack of spare parts inventory.

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

Organization (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Reserve Training	-	-	-	416	409	\$117,655	422	412	\$124,549	6	3	\$6,894
Total	-	-	-	416	409	\$117,655	422	412	\$124,549	6	3	\$6,894
Subtotal Discretionary - Appropriation	-	-	-	416	409	\$117,655	422	412	\$124,549	6	3	\$6,894

PPA Level I Description

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 mission-ready 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 operations 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.

The FY2019 President's Budget transferred Reserve Training from a stand-alone appropriation to a PPA under O&S as part of the CAS transition. It was a stand-alone appropriation in the FY 2018 Omnibus Appropriations Act.

Reserve Training – PPA Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	-	\$117,655	\$124,549
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	-	\$117,655	\$124,549
Collections – Reimbursable Resources	-	\$130	\$132
Total Budget Resources	-	\$117,785	\$124,681
Obligations (Actual/Estimates/Projections)	-	\$117,785	\$124,681
Personnel: Positions and FTE			
Enacted/Request Positions	-	416	422
Enacted/Request FTE	-	409	412
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	-	416	422
FTE (Actual/Estimates/Projections)	-	409	412

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

Collections <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Other Defense Civil Programs - Selective Service System	-	-	-	-	-	\$130	-	-	\$132
Total Collections	-	-	-	-	-	\$130	-	-	\$132

Reserve Training – PPA Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	-	-	-
FY 2019 President's Budget	416	409	\$117,655
FY 2020 Base Budget	416	409	\$117,655
Annualization of Prior Year Pay Raise - Military	-	-	\$521
Budget Year Allowances - Civilian	-	-	\$41
Budget Year Allowances - Military	-	-	\$381
Budget Year Pay Raise - Military	-	-	\$1,799
FERS Agency Contribution	-	-	\$96
Total, Pricing Increases	-	-	\$2,838
Total Adjustments-to-Base	-	-	\$2,838
FY 2020 Current Services	416	409	\$120,493
Enhancing Reserve Workforce Retention	-	-	\$2,700
Human Capital and Support Infrastructure	6	3	\$1,356
Total, Program Increases	6	3	\$4,056
FY 2020 Request	422	412	\$124,549
FY 2019 To FY 2020 Change	6	3	\$6,894

Reserve Training – PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 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	422	412	\$97,828	\$237.2	6	3	\$4,194	\$8.51
Total	-	-	-	-	416	409	\$93,634	\$228.69	422	412	\$97,828	\$237.2	6	3	\$4,194	\$8.51
Discretionary - Appropriation	-	-	-	-	416	409	\$93,634	\$228.69	422	412	\$97,828	\$237.2	6	3	\$4,194	\$8.51

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 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	\$9,909	\$381
11.7 Military Personnel	-	\$69,070	\$72,003	\$2,933
11.8 Special Personal Services Payments	-	\$70	\$70	-
12.1 Civilian Personnel Benefits	-	\$1,607	\$1,744	\$137
12.2 Military Personnel Benefits	-	\$7,699	\$8,442	\$743
13.0 Benefits for Former Personnel	-	\$30	\$30	-
Total - Personnel Compensation and Benefits	-	\$93,634	\$97,828	\$4,194
Positions and FTE				
Positions - Civilian	-	89	89	-
FTE - Civilian	-	76	76	-
Positions - Military	-	327	333	6
FTE - Military	-	333	336	3

Pay Cost Drivers

Operations and Support**Reserve Training – PPA**

Leading Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian FTS Personnel	-	-	-	76	\$7,237	\$95.22	76	\$7,374	\$97.03	-	\$137	\$1.81
Military FTS Personnel	-	-	-	333	\$31,854	\$95.66	336	\$33,657	\$100.16	3	\$1,522	\$3.67
Other Costs	-	-	-	-	\$54,543	-	-	\$56,797	-	-	\$2,254	-
Total – Pay Cost Drivers	-	-	-	409	\$93,634	\$228.93	412	\$97,828	\$237.45	3	\$3,913	\$8.52

Explanation of Pay Cost Drivers

Civilian Full-Time Support (FTS) Personnel: This funds all salary, benefits, overtime, and other personnel compensation for civilian personnel supporting the Reserve component. Increases include civilian benefits, including required government contributions to FEGLI, FEHB, TSP, and the FERS increase.

Military FTS Personnel: This funds all military salary, benefits, and housing allowances for FTS personnel supporting the Reserve component. The FTE increase reflects the addition of 6 personnel (3 FTE) for the administrative oversight of the Reserve workforce. Increases include the FY 2019 military pay raise of 2.6%, the FY 2020 military pay raise of 3.1%, and the increases for military benefits and allowances.

Other Costs: This includes 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Reserve Training	-	\$24,021	\$26,721	\$2,700
Total	-	\$24,021	\$26,721	\$2,700
Discretionary - Appropriation	-	\$24,021	\$26,721	\$2,700

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 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	\$3,156	\$2,700
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	\$26,721	\$2,700

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>Dollars in Thousands</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Readiness Support	\$20,514	\$24,021	\$26,721	\$2,700
Total – Non Pay Cost Drivers	\$20,514	\$24,021	\$26,721	\$2,700

Explanation of Non Pay Cost Driver

Readiness Support: The request provides funding for training, travel, and non-pay related costs necessary to sustain a ready and capable Reserve force—one that can respond to all contingencies, including natural and man-made disasters, maritime homeland security, national security, and other significant events. Changes include funding for Reserve Tuition Assistance to bring parity with all other Armed Services to increase Reserve retention.

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

Organization (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 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)

PPA Level I Description

The Environmental Compliance and Restoration (EC&R) PPA 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.

The Coast Guard will request funding for these activities and display EC&R as a stand-alone appropriation in the FY 2020 President's Budget.

Environmental Compliance and Restoration – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2018	FY 2019	FY 2020
Enacted/Request	-	\$13,429	-
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	\$19,010	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	-	\$32,439	-
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	-	\$32,439	-
Obligations (Actual/Estimates/Projections)	-	\$13,429	-
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 2018 Enacted	-	-	-
FY 2019 President's Budget	25	23	\$13,429
FY 2020 Base Budget	25	23	\$13,429
Transfer to EC&R from O&S/EC&R for CAS Transition	(25)	(23)	(\$13,429)
Total Transfers	(25)	(23)	(\$13,429)
Total Adjustments-to-Base	(25)	(23)	(\$13,429)
FY 2020 Request	-	-	-
FY 2019 To FY 2020 Change	(25)	(23)	(\$13,429)

Environmental Compliance and Restoration – PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 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 2018 Enacted			FY 2019 ¹ President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Total	-	-	-	22	\$3,244	\$147.45	-	-	-	(22)	(\$3,244)	(\$147.45)
Military Total	-	-	-	1	\$139	\$139.00	-	-	-	(1)	(\$139)	(\$139.00)
Total – Pay Cost Drivers	-	-	-	23	\$3,383	\$147.09	-	-	-	(23)	(\$3,383)	(\$147.09)

¹EC&R was displayed as a PPA in O&S in the FY 2019 President's Budget and is being transferred as a stand-alone appropriation in FY 2020.

Explanation of Pay Cost Drivers

No EC&R funds were requested in O&S as part of the FY 2020 President's Budget.

Environmental Compliance and Restoration – PPA

Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Site Investigation/Remediation Activities	-	\$4,495	-	(\$4,495)
Long Term Management of Restoration Project Sites	-	\$4,298	-	(\$4,298)
Environmental Compliance Projects and Activities	-	\$803	-	(\$803)
Total Non Pay Cost Drivers	-	\$10,046	-	(\$10,046)

Explanation of Non Pay Cost Drivers

No EC&R funds were requested in O&S as part of the FY 2020 President's Budget.

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

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 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)

PPA Level I Description

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

The Coast Guard will request funding for this activity and display MERHCFC as a stand-alone appropriation in the FY 2020 President's Budget.

Medicare-Eligible Retiree Health Care Fund Contribution – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2018	FY 2019	FY 2020
Enacted/Request	-	\$199,360	-
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	-	\$199,360	-
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	-	\$199,360	-
Obligations (Actual/Estimates/Projections)	-	\$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 2018 Enacted	-	-	-
FY 2019 President's Budget	-	-	\$199,360
FY 2020 Base Budget	-	-	\$199,360
Transfer to MERHCFC from O&S/MERHCFC for CAS Transition	-	-	(\$199,360)
Total Transfers	-	-	(\$199,360)
Total Adjustments-to-Base	-	-	(\$199,360)
FY 2020 Request	-	-	-
FY 2019 To FY 2020 Change	-	-	(\$199,360)

Medicare-Eligible Retiree Health Care Fund Contribution – PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
12.2 Military Personnel Benefits	-	\$199,360	-	(\$199,360)
Total - Personnel Compensation and Benefits	-	\$199,360	-	(\$199,360)
Positions and FTE				

Pay Cost Drivers

Leading Cost-Drivers (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
MERHCFC Base Adjustment	-	-	-	-	\$199,360	-	-	-	-	-	(\$199,360)	-
Total - Pay Cost Drivers	-	-	-	-	\$199,360	-	-	-	-	-	(\$199,360)	-

Explanation of Pay Cost Driver

No MERHCFC funds were requested in O&S as part of the FY 2020 President's Budget.

Department of Homeland Security

U.S. Coast Guard

Procurement, Construction, and Improvements



**Fiscal Year 2020
Congressional Justification**

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Procurement, Construction, and Improvements

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

Organization (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Vessels	-	-	\$2,192,100	-	-	\$1,543,750	-	-	\$792,200	-	-	(\$751,550)
Aircraft	-	-	\$195,600	-	-	\$148,000	-	-	\$199,600	-	-	\$51,600
Other Acquisition Programs	-	-	\$50,800	-	-	\$60,000	-	-	\$69,256	-	-	\$9,256
Shore Facilities and Aids to Navigation (ATON)	-	-	\$134,500	-	-	\$135,000	-	-	\$173,600	-	-	\$38,600
Personnel and Related Support Costs	914	835	\$121,745	-	-	-	-	-	-	-	-	-
Total	914	835	\$2,694,745	-	-	\$1,886,750	-	-	\$1,234,656	-	-	(\$652,094)
Subtotal Discretionary - Appropriation	914	835	\$2,694,745	-	-	\$1,886,750	-	-	\$1,234,656	-	-	(\$652,094)

*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.

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 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 DHS'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 2020 Budget includes \$1.2B. The following is the funding for each Program, Project, and Activity (PPA) within the PC&I appropriation:

- Vessels - \$792.2M;
- Aircraft - \$199.6M;
- Other Acquisition Programs - \$69.3M; and
- Shore Facilities and Aids to Navigation - \$173.6M.

Procurement, Construction, and Improvements

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2018	FY 2019	FY 2020
Enacted/Request	\$2,694,745	\$1,886,750	\$1,234,656
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$1,047,015	\$2,819,308	\$1,013,973
Rescissions to Current Year/Budget Year	(\$25,000)	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	(\$9,950)	-	-
Supplementals	\$718,919	-	-
Total Budget Authority	\$4,425,729	\$4,706,058	\$2,248,629
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$4,425,729	\$4,706,058	\$2,248,629
Obligations (Actual/Estimates/Projections)	\$1,601,495	\$3,692,085	\$1,435,404
Personnel: Positions and FTE			
Enacted/Request Positions	914	-	-
Enacted/Request FTE	835	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	914	-	-
FTE (Actual/Estimates/Projections)	823	-	-

Procurement, Construction, and Improvements Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	914	835	\$2,694,745
FY 2019 President's Budget	-	-	\$1,886,750
FY 2020 Base Budget	-	-	-
C4ISR	-	-	\$25,156
CG Logistics Information Management System (CG-LIMS)	-	-	\$6,400
Cutter Boats	-	-	\$4,300
Cyber and Enterprise Mission Platform	-	-	\$14,200
Fast Response Cutter (FRC)	-	-	\$140,000
HC-144 Conversion/Sustainment	-	-	\$17,000
HC-27J Conversion/Sustainment	-	-	\$103,200
In-Service Vessel Sustainment (ISVS)	-	-	\$77,900
Major Acquisition Systems Infrastructure	-	-	\$116,600
Major Shore, AtoN and S&D	-	-	\$52,000
MH-60T Sustainment	-	-	\$20,000
MH-65 Conversion/Sustainment	-	-	\$50,000
Minor Shore	-	-	\$5,000
National Security Cutter (NSC)	-	-	\$60,000
Offshore Patrol Cutter (OPC)	-	-	\$457,000
Other Equipment and Systems	-	-	\$3,500
Polar Security Cutter (PSC)	-	-	\$35,000
Polar Sustainment	-	-	\$15,000
Program Oversight and Management	-	-	\$20,000
Small Unmanned Aircraft System (sUAS)	-	-	\$9,400
Survey and Design - Vessel and Boats	-	-	\$500
Waterways Commerce Cutter (WCC)	-	-	\$2,500
Total Investment Elements	-	-	\$1,234,656
FY 2020 Request	-	-	\$1,234,656
FY 2019 To FY 2020 Change	-	-	(\$652,094)

Procurement, Construction, and Improvements Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Personnel and Related Support Costs	914	835	\$111,574	\$133.18	-	-	-	-	-	-	-	-	-	-	-	-
Total	914	835	\$111,574	\$133.18	-	-	-	-	-	-	-	-	-	-	-	-
Discretionary - Appropriation	914	835	\$111,574	\$133.18	-	-	-	-	-	-	-	-	-	-	-	-

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$49,730	-	-	-
11.3 Other than Full-Time Permanent	\$272	-	-	-
11.5 Other Personnel Compensation	\$1,100	-	-	-
11.6 Military Personnel-Basic Allowance for Housing	\$11,467	-	-	-
11.7 Military Personnel	\$30,440	-	-	-
11.8 Special Personal Services Payments	\$198	-	-	-
12.1 Civilian Personnel Benefits	\$14,857	-	-	-
12.2 Military Personnel Benefits	\$3,340	-	-	-
13.0 Benefits for Former Personnel	\$170	-	-	-
Total - Personnel Compensation and Benefits	\$111,574	-	-	-
Positions and FTE				
Positions - Civilian	490	-	-	-
FTE - Civilian	431	-	-	-
Positions - Military	424	-	-	-
FTE - Military	404	-	-	-

Procurement, Construction, and Improvements

Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
Total, SES	2	-	-	-
GS-15	39	-	-	-
GS-14	138	-	-	-
GS-13	204	-	-	-
GS-12	75	-	-	-
GS-11	17	-	-	-
GS-10	1	-	-	-
GS-9	4	-	-	-
GS-8	3	-	-	-
GS-7	4	-	-	-
GS-6	2	-	-	-
Other Graded Positions	1	-	-	-
O-8	2	-	-	-
O-6	18	-	-	-
O-5	43	-	-	-
O-4	86	-	-	-
O-3	85	-	-	-
O-2	3	-	-	-
CWO	49	-	-	-
E-9	4	-	-	-
E-8	12	-	-	-
E-7	43	-	-	-
E-6	37	-	-	-
E-5	27	-	-	-
E-4	15	-	-	-
Total Permanent Positions	914	-	-	-
Unfilled Positions EOY	75	-	-	-
Total Perm. Employment (Filled Positions) EOY	839	-	-	-
Position Locations				
Headquarters	425	-	-	-

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

Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
U.S. Field	489	-	-	-
Averages				
Average Personnel Costs, ES Positions	233,400	-	-	-
Average Personnel Costs, GS Positions	151,515	-	-	-
Average Grade, GS Positions	13	-	-	-

Note: 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 Common Appropriations Structure (CAS) in FY 2019, consistent with DHS policy.

Procurement, Construction, and Improvements

Non Pay Budget Exhibits

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$10,525	\$5,112	\$7,308	\$2,196
22.0 Transportation of Things	\$666	-	-	-
23.2 Rental Payments to Others	\$121	-	\$255	\$255
23.3 Communications, Utilities, and Misc. Charges	\$380	\$319	\$50	(\$269)
25.1 Advisory and Assistance Services	\$141,382	\$100,534	\$175,830	\$75,296
25.2 Other Services from Non-Federal Sources	\$118,920	\$49,462	\$22,523	(\$26,939)
25.3 Other Goods and Services from Federal Sources	\$284,372	\$99,236	\$153,196	\$53,960
25.4 Operation and Maintenance of Facilities	\$500	-	-	-
25.6 Medical Care	\$2,552	-	-	-
25.7 Operation and Maintenance of Equipment	\$3,529	\$4,726	-	(\$4,726)
26.0 Supplies and Materials	\$23,290	\$15,363	\$40,585	\$25,222
31.0 Equipment	\$1,872,418	\$1,483,868	\$681,587	(\$802,281)
32.0 Land and Structures	\$124,177	\$128,130	\$153,322	\$25,192
42.0 Insurance Claims and Indemnities	\$339	-	-	-
Total - Non Pay Object Classes	\$2,583,171	\$1,886,750	\$1,234,656	(\$652,094)

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Offshore Patrol Cutter	N024-000006362	1	Procurement	Non-IT	Yes	\$500,000	\$400,000	\$457,000
Fast Response Cutter	N024-000006370	1	Procurement	Non-IT	Yes	\$340,000	\$240,000	\$140,000
HC-27J Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$70,000	\$80,000	\$103,200
In-Service Vessel Sustainment	-	1	Procurement	Non-IT	Yes	\$60,500	\$63,250	\$77,900
National Security Cutter	N024-000006369	1	Procurement	Non-IT	Yes	\$1,241,000	\$65,000	\$60,000
MH-65 Conversion/Sustainment	N024-000006366	1	Procurement	Non-IT	Yes	\$22,000	\$20,000	\$50,000
Polar Security Cutter	N024-000006381	1	Procurement	Non-IT	Yes	\$19,000	\$750,000	\$35,000
C4ISR	024-000006343	1	Procurement	IT	Yes	\$22,000	\$23,300	\$25,156
MH-60T Sustainment	N024-000006367	1	Procurement	Non-IT	Yes	\$2,500	\$25,000	\$20,000
HC-144 Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	-	\$17,000	\$17,000
Cyber and Enterprise Mission Platform	-	-	Procurement	IT	-	-	-	\$14,200
Waterways Commerce Cutter	N024-000006386	1	Procurement	Non-IT	Yes	\$26,100	\$5,000	\$2,500
HC-130J Acquisition/Conversion/Sustainment	N024-000006382	1	Procurement	Non-IT	Yes	\$100,600	-	-
Polar Sustainment	N024-000006402	3	Procurement	Non-IT	Yes	-	\$15,000	\$15,000
Small Unmanned Aircraft Systems	N024-000006404	3	Procurement	Non-IT	Yes	\$500	\$6,000	\$9,400
Coast Guard Logistics Information Management System	024-000006115	3	Procurement	IT	Yes	\$9,800	\$13,200	\$6,400
Program Oversight and Management	N/A	Non-Major	Procurement	Non-IT	No	\$15,000	\$20,000	\$20,000
Cutter Boats	N/A	Non-Major	Procurement	Non-IT	No	\$1,000	\$5,000	\$4,300
Other Equipment and Systems	N/A	Non-Major	Procurement	Non-IT	No	\$4,000	\$3,500	\$3,500
Survey and Design - Vessels and Boats	N/A	Non-Major	Procurement	Non-IT	No	\$4,500	\$500	\$500
Major Acquisition Systems Infrastructure	N/A	Non-Major	Construction	Non-IT	No	\$87,100	\$100,000	\$116,600
Major Shore, Housing, ATON, Survey and Design	N/A	Non-Major	Construction	Non-IT	No	\$42,400	\$30,000	\$52,000
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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Survey and Design - Vessels and Boats	\$4,500	\$500	\$500	-
In-Service Vessel Sustainment	\$60,500	\$63,250	\$77,900	\$14,650
National Security Cutter	\$1,241,000	\$65,000	\$60,000	(\$5,000)
Offshore Patrol Cutter	\$500,000	\$400,000	\$457,000	\$57,000
Fast Response Cutter	\$340,000	\$240,000	\$140,000	(\$100,000)
Cutter Boats	\$1,000	\$5,000	\$4,300	(\$700)
Polar Security Cutter	\$19,000	\$750,000	\$35,000	(\$715,000)
Waterways Commerce Cutter	\$26,100	\$5,000	\$2,500	(\$2,500)
Polar Sustainment	-	\$15,000	\$15,000	-
Total	\$2,192,100	\$1,543,750	\$792,200	(\$751,550)
Discretionary - Appropriation	\$2,192,100	\$1,543,750	\$792,200	(\$751,550)

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 2020 Budget continues efforts that will lead to construction of the first Polar Security Cutter (PSC); funds construction of the third Offshore Patrol Cutter (OPC); supports Survey and Design for emerging life-cycle event driven maintenance on cutters and boats; funds continued work towards potential solutions for the aging Inland River and Construction Tender fleets; and continues the National Security Cutter (NSC), Fast Response Cutter (FRC), Cutter Boats, and sustainment 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.

Vessels – PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2018	FY 2019	FY 2020
Enacted/Request	\$2,192,100	\$1,543,750	\$792,200
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$541,143	\$1,633,916	\$211,560
Rescissions to Current Year/Budget Year	(\$25,000)	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	(\$6,350)	-	-
Supplementals	-	-	-
Total Budget Authority	\$2,701,893	\$3,177,666	\$1,003,760
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$2,701,893	\$3,177,666	\$1,003,760
Obligations (Actual/Estimates/Projections)	\$1,063,583	\$2,966,106	\$886,827
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**

No Information to provide.

Vessels – PPA

Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	-	-	\$2,192,100
FY 2019 President's Budget	-	-	\$1,543,750
FY 2020 Base Budget	-	-	-
Cutter Boats	-	-	\$4,300
Fast Response Cutter (FRC)	-	-	\$140,000
In-Service Vessel Sustainment (ISVS)	-	-	\$77,900
National Security Cutter (NSC)	-	-	\$60,000
Offshore Patrol Cutter (OPC)	-	-	\$457,000
Polar Security Cutter (PSC)	-	-	\$35,000
Polar Sustainment	-	-	\$15,000
Survey and Design - Vessel and Boats	-	-	\$500
Waterways Commerce Cutter (WCC)	-	-	\$2,500
Total Investment Elements	-	-	\$792,200
FY 2020 Request	-	-	\$792,200
FY 2019 To FY 2020 Change	-	-	(\$751,550)

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

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$7,722	\$3,387	\$5,665	\$2,278
23.3 Communications, Utilities, and Misc. Charges	\$7	-	-	-
25.1 Advisory and Assistance Services	\$81,045	\$50,912	\$112,661	\$61,749
25.2 Other Services from Non-Federal Sources	\$103,973	\$34,492	-	(\$34,492)
25.3 Other Goods and Services from Federal Sources	\$175,928	\$27,976	\$42,701	\$14,725
26.0 Supplies and Materials	\$2,894	\$1,326	\$460	(\$866)
31.0 Equipment	\$1,820,531	\$1,425,657	\$630,713	(\$794,944)
Total - Non Pay Object Classes	\$2,192,100	\$1,543,750	\$792,200	(\$751,550)

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Fast Response Cutter	\$340,000	\$240,000	\$140,000	(\$100,000)
National Security Cutter	\$1,241,000	\$65,000	\$60,000	(\$5,000)
Offshore Patrol Cutter	\$500,000	\$400,000	\$457,000	\$57,000
Other Costs	\$92,100	\$88,750	\$100,200	\$11,450
Polar Security Cutter	\$19,000	\$750,000	\$35,000	(\$715,000)
Total Non Pay Cost Drivers	\$2,192,100	\$1,543,750	\$792,200	(\$751,550)

Explanation of Non Pay Cost Drivers

Fast Response Cutter: Funds the FY 2020 need for continuation of the FRC acquisition to replace legacy 110' patrol boats conducting domestic Coast Guard missions.

National Security Cutter: Funds the FY 2020 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 tenth hulls, and other program-wide activities.

Offshore Patrol Cutter: Funds the FY 2020 need for continuation of the OPC acquisition, including construction of the third ship, and Long Lead Time Material (LLTM) for the fourth and fifth ships.

Other: Funds the FY 2020 need for vessel sustainment programs, Cutter Boats, Survey and Design, and continues program funding for the Waterways Commerce Cutter.

Polar Security Cutter: Funds Detail Design & Construction activities, Project Resident Office (PRO) support, and program management associated with construction of the lead Polar Security Cutter.

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Offshore Patrol Cutter	N024-000006362	1	Procurement	Non-IT	Yes	\$500,000	\$400,000	\$457,000
Fast Response Cutter	N024-000006370	1	Procurement	Non-IT	Yes	\$340,000	\$240,000	\$140,000
In-Service Vessel Sustainment	-	1	Procurement	Non-IT	Yes	\$60,500	\$63,250	\$77,900
National Security Cutter	N024-000006369	1	Procurement	Non-IT	Yes	\$1,241,000	\$65,000	\$60,000
Polar Security Cutter	N024-000006381	1	Procurement	Non-IT	Yes	\$19,000	\$750,000	\$35,000
Waterways Commerce Cutter	N024-000006386	1	Procurement	Non-IT	Yes	\$26,100	\$5,000	\$2,500
Polar Sustainment	N024-000006402	3	Procurement	Non-IT	Yes	-	\$15,000	\$15,000
Cutter Boats	N/A	Non-Major	Procurement	Non-IT	No	\$1,000	\$5,000	\$4,300
Survey and Design - Vessels and Boats	N/A	Non-Major	Procurement	Non-IT	No	\$4,500	\$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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Survey and Design - Vessels and Boats	N/A	Non-Major	Procurement	Non-IT	No	\$4,500	\$500	\$500

Investment Description

This investment 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. FY 2020 funding supports initiatives related to conducting a MMA on CGC HEALY (Medium Icebreaker), CGC MACKINAW (Great Lakes Icebreaker), and the 175-foot Coastal Buoy Tenders (WLM).

Justification

CGC 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. CGC MACKINAW serves as the Coast Guard's most capable icebreaking platform on the Great Lakes in addition to conducting maintenance of aids to navigation, law enforcement, search and rescue, and marine environmental protection. The 175-foot Coastal Buoy Tenders support maintenance of aids to navigation, law enforcement, ice operations, search and rescue, and marine environmental protection in areas that are otherwise inaccessible by other assets.

Funds requested will be used to assess potential options based on inspections of hull, mechanical, weapons, and electrical systems and subsystems. Specifically, assessments will evaluate system suitability for possible future sustainment projects.

FY 2018 Key Milestone Events

- Continued CGC POLAR STAR, CGC HEALY, and 270-foot Medium Endurance Cutter (WMEC) survey and design activities.
- Commenced Great Lakes icebreaking capability survey and design activities.

FY 2019 Planned Key Milestone Events

- Continue CGC POLAR STAR, CGC HEALY, 270-foot WMEC, and Great Lakes icebreaking capability survey and design activities.
- Commence CGC MACKINAW survey and design activities.

FY 2020 Planned Key Milestone Events

- Complete 270-foot WMEC and CGC POLAR STAR survey and design activities.
- Continue 175-foot WLM, CGC HEALY, CGC MACKINAW, and Great Lakes icebreaking capability survey and design activities.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$50,607	\$4,500	\$500	\$500
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$50,607	\$4,500	\$500	\$500
Obligations	\$33,503	-		
Expenditures	\$30,823	-		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCGFT17XPPSD47	Naval Surface Warfare Center (NSWC), Philadelphia Division	MIPR	03/2017	03/2017	09/2019	No	\$2,070
70Z0FT18KPSLJ8600	NSWC Dahlgren	MIPR	10/2017	02/2018	09/2019	No	\$368
HSCG4016QAVS025	Immersion Consulting LLC	FFP	04/2017	04/2017	01/2019	No	\$240
HSCG2313FADW151	Bayfirst Solutions LLC	FFP	06/2017	07/2017	09/2018	No	\$205
HSCG2312DATB003	ISHPI Information Technologies Inc	FFP	01/2018	03/2018	03/2019	No	\$187

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost <i>(Dollars in Thousands)</i>
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Survey and Design	FY 2018 Q1	FY 2020 Q4			\$4,500
	FY 2019				
Survey and Design	FY 2019 Q1	FY 2021 Q4			\$500
	FY 2020				
Survey and Design	FY 2020 Q1	FY 2022 Q4			\$500

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

Procurement/Acquisition Programs**In-Service Vessel Sustainment (ISVS) – 47-Foot Motor Life Boat (MLB) SLEP****Procurement, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
47-foot MLB SLEP	NO24-000006384	2	Procurement	Non-IT	Yes	\$0	\$5,250	\$6,600

Investment Description

This investment supports program management activities and continues Service Life Extension Project (SLEP) efforts on the 47-foot Motor Life Boats (MLBs).

Justification

The fleet of 47-foot MLBs, constructed from 1997 to 2003 and designed for a 25-year service life (2022-2028), have several critical systems becoming 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 prevent loss of operational readiness, stabilize maintenance costs, and extend the service life of the MLBs by 20 years.

FY 2018 Key Milestone Events

- Completed engineering and pre-Request for Proposal (RFP) preparations on the 47-foot MLB SLEP.

FY 2019 Planned Key Milestone Events

- Release the RFP and award the 47-foot MLB SLEP contract.
- Complete detail engineering design and start work on the first 47-foot MLB going through SLEP.

FY 2020 Planned Key Milestone Events

- Continue engineering and production work on the 47-foot MLB SLEP.
- Initiate an operational assessment on the MLB SLEP first article.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	\$9,500	-	\$5,250	\$6,600
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$9,500	-	\$5,250	\$6,600
Obligations	\$3,221	-		
Expenditures	\$2,167	-		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
N/A							

Significant Changes to Investment since Prior Year Enacted

No significant changes.

U.S. Coast Guard
Investment Schedule

Procurement, Construction, and Improvements

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
N/A					
	FY 2019				
47' MLB SLEP			FY 2015 Q4	FY 2031 Q4	\$5,250
	FY 2020				
47' MLB SLEP			FY 2015 Q4	FY 2031 Q4	\$6,600

In-Service Vessel Sustainment – USCG Yard Investments

Investment (Dollars in Thousands)	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
140-foot Icebreaking Tug (WTGB)	N024-000006384	3	Procurement	Non-IT	Yes	\$17,640	\$4,700	\$0
225-foot Buoy Tender (WLB)	-	-	Procurement	Non-IT	No	\$42,360	\$44,800	\$59,600
270-foot Medium Endurance Cutter (WMEC)	N024-000000001	1	Procurement	Non-IT	Yes	\$500	\$8,500	\$11,700

Investment Description

This investment supports program management activities and continues SLEP efforts on the 140-foot Icebreaking Tugs and 270-foot Medium Endurance Cutters. It also continues 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 MMAs and SLEPs on existing Coast Guard vessels. The investments listed above include vessel availabilities completed at the Coast Guard Yard.

MMAs ensure in-service vessels continue to 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. Funding will support the following projects:

- 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. The MMA is planned for all 16 WLBs.
- 270-foot Medium Endurance Cutters (WMECs): This class began entering service in 1983 and underwent a MEP to address operational readiness degradation. FY 2020 funds support project planning, system evaluation and engineering analysis, and procurement for long lead time materials (LLTM) and deep insurance spares. The SLEP is planned for up to nine WMECs.

FY 2018 Key Milestone Events

- Completed production work on the fifth and sixth 140-foot WTGB SLEP and begin the seventh and eighth.
- Completed Phase 4 production work for EAGLE SLEP.
- Completed production work on the third 225-foot WLB MMA and begin production on the fifth and sixth.
- Began 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 fourth, fifth and sixth 225-foot WLBs MMA and begin production on the seventh.
- Complete analyze/select phase documentation for the 270-foot WMEC SLEP and begin detail design engineering; start procurement for long lead time materials.

FY 2020 Planned Key Milestone Events

- Complete production work on the ninth 140-foot WTGB SLEP.
- Complete production work on the seventh 225-foot WLB MMA and begin production on the eighth, ninth, tenth and Phase 2 on the second.
- Continue detail design engineering; continue procurement for long lead time materials for 270-foot WMEC SLEP.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	\$237,900	\$60,500	\$58,000	\$71,300
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$237,900	\$60,500	\$58,000	\$71,300
Obligations	\$231,616	\$39,029		
Expenditures	\$209,238	\$7,486		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG40-16-D-60021	Appleton Marine Inc	FFP	09/2016	09/2016	09/2021	No	\$14,563
HSCG40-15-D-60680	Adrick Marine Group	FFP	01/2015	01/2015	01/2020	No	\$1,731
HSCG40-15-D-60368	US Watermaker	FFP	02/2015	02/2015	02/2020	No	\$1,521
HSCG40-15-D-60669	Integrated Computer Technology Inc	FFP	05/2015	05/2015	05/2020	No	\$1,100
HSCG40-15-D-60362	Quality Refrigeration	FFP	03/2015	03/2015	03/2020	No	\$1,015

Work is done primarily at the Coast Guard Yard.

Significant Changes to Investment since Prior Year Enacted

No significant changes.

U.S. Coast Guard
Investment Schedule

Procurement, Construction, and Improvements

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
140' WTGB SLEP			FY 2014 Q4	FY 2020 Q3	\$17,640
225' WLB MMA			FY 2015 Q4	FY 2025 Q4	\$42,360
270' WMEC SLEP			FY 2018 Q1	FY 2028 Q4	\$500
	FY 2019				
140' WTGB SLEP			FY 2014 Q4	FY 2020 Q3	\$4,700
225' WLB MMA			FY 2015 Q4	FY 2025 Q4	\$44,800
270' WMEC SLEP			FY 2018 Q1	FY 2028 Q4	\$8,500
	FY 2020				
225' WLB MMA			FY 2015 Q4	FY 2025 Q4	\$59,600
270' WMEC SLEP			FY 2018 Q1	FY 2028 Q4	\$11,700

**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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
National Security Cutter	N024-000006369	1	Procurement	Non-IT	Yes	\$1,241,000	\$65,000	\$60,000

Investment Description

This investment supports Post Delivery Activities (PDA) for the seventh through eleventh 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 2018 Key Milestone Events

- Awarded NSCs 10 and 11 LLTM.
- Completed acceptance trials for NSC 7.
- Delivered NSC 7.
- Christened and launched NSC 8.
- Laid keel on NSC 9.
- Completed SEDA on NSC 2.
- Performed Follow-on Operational Test & Evaluation (FOT&E) on NSCs 4 and 5.
- Performed FOT&E cyber-security assessment on NSC 4.

FY 2019 Planned Key Milestone Events

- Award NSCs 10 and 11 production.
- Acceptance trials for NSC 8.
- Deliver NSC 8.
- Christening and launch of NSC 9.

FY 2020 Planned Key Milestone Events

- Acceptance trials for NSC 9.
- Deliver NSC 9.
- Keel laying for NSC 10.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	\$5,908,899	\$1,241,000	\$65,000	\$60,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$5,908,899	\$1,241,000	\$65,000	\$60,000
Obligations	\$5,730,806	\$121,045		
Expenditures	\$4,913,825	\$4,320		

¹ – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG23-13-C-ADB014 (NSC 8 Production)	Huntington Ingalls, Inc	FPIF	03/2015	03/2015	02/2020	Yes	\$521,249
HSCG23-16-C-ADB016 (NSC 9 Production)	Huntington Ingalls, Inc	FPIF	12/2016	12/2016	09/2021	Yes	\$519,495
HSCG23-13-C-ADB014 (NSC 7 Production)	Huntington Ingalls, Inc	FPIF	03/2014	03/2014	02/2019	Yes	\$516,141
HSCG23-16-C-ADB016 (NSC 11 LLTM)	Huntington Ingalls, Inc	FFP	09/2018	09/2018	10/2022	No	\$97,101
HSCG23-16-C-ADB016 (NSC 10 LLTM)	Huntington Ingalls, Inc	FFP	03/2018	03/2018	04/2022	No	\$94,468

Significant Changes to Investment since Prior Year Enacted

The FY 2018 enacted appropriation provided funding for production of NSC 10, and also LLTM and production for NSC 11.

U.S. Coast Guard
Investment Schedule

Procurement, Construction, and Improvements

Description	Design Work		Project Work		Estimated Cost <i>(Dollars in Thousands)</i>
	Initiated	Completed	Initiated	Completed	
	FY 2018				
NSC 6 PDA	FY 2002 Q4	FY 2004 Q1	FY 2013 Q2	FY 2019 Q1	\$2,322
NSC 7 PDA	FY 2002 Q4	FY 2004 Q1	FY 2014 Q2	FY 2021 Q4	\$7,947
NSC 8 PDA	FY 2002 Q4	FY 2004 Q1	FY 2015 Q2	FY 2021 Q4	\$49,803
Close-out/FOT&E/Program Support	FY 2002 Q4	FY 2004 Q1	FY 2017 Q1	FY 2022 Q4	\$5,928
NSC 10 Production	FY 2002 Q4	FY 2004 Q1	FY 2019 Q1	FY 2022 Q4	\$540,000
NSC 11 LLTM	FY 2002 Q4	FY 2004 Q1	FY 2018 Q3	FY 2022 Q4	\$95,000
NSC 11 Production	FY 2002 Q4	FY 2004 Q1	FY 2019 Q1	FY 2023 Q4	\$540,000
	FY 2019				
NSC 7 PDA	FY 2002 Q4	FY 2004 Q1	FY 2014 Q2	FY 2021 Q4	\$399
NSC 8 PDA	FY 2002 Q4	FY 2004 Q1	FY 2015 Q2	FY 2021 Q4	\$7,892
NSC 9 PDA	FY 2002 Q4	FY 2004 Q1	FY 2017 Q2	FY 2023 Q4	\$28,685
Close-out/FOT&E/Program Support	FY 2002 Q4	FY 2004 Q1	FY 2017 Q1	FY 2023 Q4	\$28,024
	FY 2020				
NSC PDA (Hulls 8-11)	FY 2002 Q4	FY 2004 Q1	FY 2015 Q2	FY 2021 Q4	\$43,013
Close-out/FOT&E/Program Support	FY 2002 Q4	FY 2004 Q1	FY 2020 Q1	FY 2024 Q4	\$16,987

Offshore Patrol Cutter – PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

Offshore Patrol Cutter

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Offshore Patrol Cutter	N024-000006362	1	Procurement	Non-IT	Yes	\$500,000	\$400,000	\$457,000

Investment Description

This investment supports construction of the third Offshore Patrol Cutter (OPC) and other elements including warranty, outfitting materials, spares, system stock, supply support, life cycle engineering, Economic Price Adjustment, and Antecedent Liability. Remaining funds will support Program Office technical and project support for program-wide activities and the Ship Design Team; Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (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 Materials (LLTM) for OPCs 4 and 5.

Justification

The OPC will replace the Coast Guards 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 resources; 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 2018 Key Milestone Events

- Completed Final Critical Design Review.
- Completed Production Readiness Review.
- Awarded construction of OPC 1.
- Awarded LLTM for OPC 2.
- Completed Developmental Test and Evaluation – Phase I.
- Commenced Developmental Test and Evaluation – Phase II.

FY 2019 Planned Key Milestone Events

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

FY 2020 Planned Key Milestone Events

- Award construction of OPC 3.
- Award LLTM for OPCs 4 & 5.
- Continue Developmental Test and Evaluation – Phase II.
- Conduct Operational Assessment (OA).

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$407,994	\$500,000	\$400,000	\$457,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$407,994	\$500,000	\$400,000	\$457,000
Obligations	\$346,357	\$325,956		
Expenditures	\$280,760	\$1,506		

¹ – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG23-14-C-APC002 (OPC-1 Construction)	Eastern Shipbuilding Group, Inc.	Fixed Price Incentive (Firm Target).	09/2018	09/2018	12/2022	Yes	\$235,850
HSCG23-14-C-APC002 (Phase II – Detail Design)	Eastern Shipbuilding Group, Inc.	Fixed Price Incentive (Firm Target)	09/2016	09/2016	12/2022	Yes	\$115,318
HSCG23-14-C-APC002 (Training Aids)	Eastern Shipbuilding Group, Inc.	Firm Fixed Price	09/2018	09/2018	06/2022	No	\$42,153
HSCG23-14-C-APC002 (OPC-1 LLTM)	Eastern Shipbuilding Group, Inc.	Firm Fixed Price	09/2017	09/2017	09/2021	No	\$41,253
HSCG23-14-C-APC002 (OPC-2 LLTM)	Eastern Shipbuilding Group, Inc.	Firm Fixed Price	09/2018	09/2018	09/2022	No	\$39,490

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost <i>(Dollars in Thousands)</i>
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Technical and Project Management			FY 2018 Q1	FY 2018 Q4	\$37,500
OPC 1 Production / Post Delivery	FY 2016 Q1	FY 2022 Q1	FY 2018 Q4	FY 2022 Q1	\$412,500
OPC 2 Long Lead Time Material	FY 2016 Q1	FY 2022 Q1	FY 2018 Q4	FY 2022 Q4	\$50,000
	FY 2019				
Technical and Project Management			FY 2019 Q1	FY 2019 Q4	\$44,000
OPC 2 Production	FY 2016 Q1	FY 2022 Q1	FY 2019 Q4	FY 2022 Q4	\$311,000
OPC 3 Long Lead Time Material	FY 2016 Q1	FY 2022 Q1	FY 2019 Q4	FY 2023 Q4	\$45,000
	FY 2020				
Technical and Project Management			FY 2020 Q1	FY 2020 Q4	\$51,000
OPC 2 Post Delivery	FY 2016 Q1	FY 2022 Q1	FY 2020 Q4	FY 2023 Q4	\$35,000
OPC 3 Production	FY 2016 Q1	FY 2022 Q1	FY 2020 Q4	FY 2023 Q4	\$287,000
OPC 4/5 Long Lead Time Material	FY 2016 Q1	FY 2022 Q1	FY 2020 Q4	FY 2024 Q4	\$84,000

Fast Response Cutter – PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Fast Response Cutter**Procurement, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Fast Response Cutter	N024-000006370	1	Procurement	Non-IT	Yes	\$340,000	\$240,000	\$140,000

Investment Description

This investment supports production of two Fast Response Cutters (FRC), associated contract line items, project management costs, Economic Price Adjustment, Antecedent Liability, Post Delivery Activities, Government Furnished Equipment, and logistics and technical support under the Phase II FRC production contract. Including the two FRCs within the FY 2020 Budget, 54 of the 58 FRCs required for domestic operations are funded.

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

FY 2018 Key Milestone Events

- Delivered FRCs #26-30.
- Awarded Option 2 under the Phase II contract for six FRCs, which included four FRCs towards the domestic program of record and an additional two FRCs to initiate replacement of WPBs assigned to Patrol Forces Southwest Asia (PATFORSWA).

FY 2019 Planned Key Milestone Events

- Delivery of FRCs #31-35.
- Award Option 3 under the Phase II contract, including four FRCs towards the domestic program of record.

FY 2020 Planned Key Milestone Events

- Delivery of FRCs #36-40.
- Award Option 4 under the Phase II contract, including two FRCs towards the domestic program of record.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$2,441,059	\$340,000	\$240,000	\$140,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$2,441,059	\$340,000	\$240,000	\$140,000
Obligations	\$2,344,029	\$297,120		
Expenditures	\$1,863,677	\$867		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG23-08-C-2FR125 (Phase I)	Bollinger Shipyards, Inc.	Firm Fixed Price – Economic Price Adjustment (FFP-EPA)	09/2008	09/2008	09/2023	No	\$1,484,090
HSCG23-16-C-AFR625 (Phase II)	Bollinger Shipyards, Inc.	Firm Fixed Price – Economic Price Adjustment (FFP-EPA)	05/2016	05/2016	TBD	No	\$1,420,000

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Construction (four hulls for the domestic program of record and two additional hulls for PATFORSWA)			FY 2018 Q4	FY 2022 Q3	\$340,000
	FY 2019				
Construction (four hulls for the domestic program of record)			FY 2019 Q3	FY 2023 Q3	\$240,000
	FY 2020				
Construction (two hulls for the domestic program of record)			FY 2020 Q3	FY 2024 Q1	\$140,000

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Cutter Boats	N/A	Non-Major	Procurement	Non-IT	No	\$1,000	\$5,000	\$4,300

Investment Description

This investment supports 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, Over-The-Horizon (OTH), Long Range Interceptor (LRI), and Response Boat-Small.

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 LRI in order to align with cutter delivery schedules.

The OTH is deployed on the NSC, FRC, legacy polar icebreakers, 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 2018 Key Milestone Events

- Ordered OTH-IV #18-19; Ordered LRI-II #10.
- Delivered OTH-IV #16-17; LRI-II #8-9.
- Initiated incorporation of OPC requirements into OTH Request for Proposal (RFP) documentation.
- Continued 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.
- Continue program management to support cutter and response boat acquisitions.

FY 2020 Planned Key Milestone Events

- Order and deliver LRI-II #11.
- Order OTH-IV #20-24.
- Award new LRI contract.
- Continue program management to support cutter and response boat acquisitions.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	\$42,654	\$1,000	\$5,000	\$4,300
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$42,654	\$1,000	\$5,000	\$4,300
Obligations	\$39,719	\$789		
Expenditures	\$36,817	-		

¹ – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG23-17-J-ACB014 (OTH-IV)	SAFE Boats Int'l Inc.	IDIQ/FFP	06/2011	06/2011	06/2021	No	\$56,701
HSCG23-12-D-ACB023 (LRI-II)	Metal Craft Marine, Inc.	IDIQ/FFP	06/2012	06/2012	06/2020	No	\$12,314

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost <i>(Dollars in Thousands)</i>
	Initiated	Completed	Initiated	Completed	
	FY 2018				
OTH-IV #18-19			FY 2018 Q3	FY 2019 Q1	\$900
PMO Support			FY 2018 Q1	FY 2018 Q4	\$100
	FY 2019				
Cutter Boat Contract Development and Awards			FY 2019 Q1	FY 2020 Q1	\$2,500
Cutter Boat Testing, Evaluation, and Management			FY 2019 Q4	FY 2020 Q3	\$1,500
PMO Support			FY 2019 Q1	FY 2019 Q4	\$1,000
	FY 2020				
OTH-IV #20-24			FY 2020 Q1	FY 2021 Q3	\$2,500
LRI-II #11			FY 2020 Q1	FY 2020 Q4	\$1,200
Cutter Boat Testing and Evaluation			FY 2020 Q1	FY 2020 Q4	\$300
PMO Support			FY 2020 Q1	FY 2020 Q4	\$300

Polar Security Cutter – PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Polar Security Cutter**Procurement, Construction, and Improvements Funding**

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Polar Security Cutter	N024-000006381	1	Procurement	Non-IT	Yes	\$19,000	\$750,000	\$35,000

Investment Description

This investment supports program management and production activities associated with the Detail Design and Construction contract. Specifically, this funding supports the following: program management office support; logistics planning; cyber-security planning; system integration test planning, C4ISR support, project resident office support, Navy reimbursable technical support, and production activities.

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 completed Industry Studies in 2018 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 Polar Security Cutter system specification. In February 2018, the Program entered the “Obtain” phase (ADE-2A/B) and released a Request for Proposal (RFP) in March 2018 to award a contract for Detail Design & Construction in FY 2019.

FY 2018 Key Milestone Events

- Completed Industry Studies and Feasibility Studies; continued National Environmental Policy Act Study.
- Completed Indicative Design and model testing of the Indicative Design.
- Continued industry engagement and collaboration with international stakeholders.
- Achieved Acquisition Decision Event 2A/2B and released final Detail Design & Construction RFP.
- Commenced source selection for Detail Design & Construction contract.

FY 2019 Planned Key Milestone Events

- Continue industry engagement and collaboration with international stakeholders.
- Award contract for Detail Design & Construction.
- Procure Long Lead Time Materials (LLTM).
- Establish a Project Resident Office.

FY 2020 Planned Key Milestone Events

- Continue detail design activities.
- Prepare to commence construction of lead ship.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	\$70,609	\$19,000	\$750,000	\$35,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$70,609	\$19,000	\$750,000	\$35,000
Obligations	\$64,384	\$7,770		
Expenditures	\$57,363	\$4,948		

¹ – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG23-17-C-APB004 (Industry Studies)	Bollinger Shipyards	FFP	02/2017	02/2017	07/2018	No	\$5,602
HSCG23-17-C-APB010 (Industry Studies)	Fincantieri Marine Group	FFP	02/2017	02/2017	07/2018	No	\$5,617
HSCG23-17-C-APB011 (Industry Studies)	National Steel and Shipbuilding Company	FFP	02/2017	02/2017	07/2018	No	\$5,619
HSCG23-17-C-APB012 (Industry Studies)	Huntington Ingalls Inc	FFP	02/2017	02/2017	07/2018	No	\$5,619
HSCG23-17-C-APB013 (Industry Studies)	VT Halter Marine	FFP	02/2017	02/2017	07/2018	No	\$5,593

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Survey Design and Engineering			FY 2018 Q1	FY 2022 Q4	\$6,000
Project Management and Technical			FY 2018 Q1	FY 2022 Q4	\$10,000
Acquisition Management Support			FY 2018 Q1	FY 2022 Q4	\$3,000
	FY 2019				
Survey Design and Engineering			FY 2019 Q1	FY 2023 Q4	\$10,000
Project Management and Technical			FY 2019 Q1	FY 2023 Q4	\$10,000
Acquisition Management Support			FY 2019 Q1	FY 2023 Q4	\$10,000
Construction/LLTM			FY 2019 Q2	FY 2023 Q4	\$720,000
	FY 2020				
Project Management and Technical			FY 2020 Q1	FY 2024 Q4	\$6,000
Acquisition Management Support			FY 2020 Q1	FY 2024 Q4	\$29,000

Waterways Commerce Cutter – PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Waterways Commerce Cutter

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Waterways Commerce Cutter	N024-000006386	1	Procurement	Non-IT	Yes	\$26,100	\$5,000	\$2,500

Investment Description

The Waterways Commerce Cutter 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; 65-foot and 100-foot Inland Buoy Tenders; and 65-foot and 75-foot River Buoy Tenders that collectively average over 55 years in age. Funding supports Program Management Office 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 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 2018 Key Milestone Events

- Continued project planning activities.
- Continued Analyze/Select phase documentation development including operational requirements, design studies, and alternatives analysis.
- Continued design development of possible materiel solutions.

FY 2019 Planned Key Milestone Events

- Continue project planning activities.
- Continue Analyze/Select phase documentation development.
- Complete Life Cycle Cost Estimate (LCCE), complete Independent Cost Estimate, and commence Program LCCE (PLCCE).
- Continue design development of possible materiel solutions.

FY 2020 Planned Key Milestone Events

- Continue project planning activities.
- Complete Analyze/Select phase documentation development including the alternatives analysis report, PLCCE, Acquisition Program Baseline, and Operational Requirements Document.
- Conduct Project Planning Review (PPR).
- Brief the DHS Acquisition Review Board and achieve ADE-2A/B approval.
- Approve and release the Request for Proposal.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years²	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	-	\$26,100	\$5,000	\$2,500
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	-	\$26,100	\$5,000	\$2,500
Obligations	-	\$3,294		
Expenditures	-	\$67		

1 – USCG is not currently able to break out sustainment funding for this investment

2 – In FY 2017, funding was appropriated in Survey & Design specifically for further maturing of designs and/or executing pre-acquisition activities; these funds are tracked under Survey & Design.

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 (Dollars in Thousands)
HSCG23-16-F-ADB035 (PM Support)	ITA International, LLC	Fixed Price	08/2018	08/2018	02/2019	No	\$1,111
HSCG23-17-F-ADB001 (CG-459 Support)	DDL Omni Engineering, LLC	Fixed Price	08/2018	08/2018	01/2019	No	\$939
70ZZ02318KPRT00200 (Alternatives Analysis)	NAVSEA 05D	Assisted Acquisition MIPR	07/2018	07/2018	10/2019	N/A	\$900
70Z02318KPRT00500 (Indicative Design)	USACE Marine Design Center	Assisted Acquisition Military Interdepartmental Purchase Agreement (MIPR)	08/2018	08/2018	10/2019	N/A	\$809
70Z0FT18KPRT003000 (Life-Cycle Cost Estimate)	NAVSEA 05D	MIPR	08/2018	08/2018	01/2020	N/A	\$790

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost <i>(Dollars in Thousands)</i>
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Program Management			FY 2018 Q1	FY 2022 Q4	\$1,100
Program Documentation			FY 2018 Q1	FY 2022 Q4	\$2,500
Design Development			FY 2018 Q1	FY 2022 Q4	\$22,500
	FY 2019				
Program Management and Design Development			FY 2019 Q1	FY 2023 Q4	\$5,000
	FY 2020				
Program Management and Design Development			FY 2020 Q1	FY 2024 Q4	\$2,500

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Polar Sustainment	N024-000006402	3	Procurement	Non-IT	Yes	-	\$15,000	\$15,000

Investment Description

This investment supports a multi-year SLEP for POLAR STAR, including program management activities, materials purchases, and the start of SLEP production work.

Justification

The Coast Guard's two heavy polar icebreakers are over 43 years old and are 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 delivery of the second new Polar Security Cutter.

FY 2018 Planned Key Milestone Events

- N/A

FY 2019 Planned Key Milestone Events

- Commence project planning.
- Begin analyze/select phase documentation.
- Begin detail design engineering.
- Begin procurement activities for certain long lead time materials.

FY 2020 Planned Key Milestone Events

- Continue project planning.
- Continue detail design engineering.
- Procure long lead time materials and award a production contract.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	-	-	\$15,000	\$15,000
Research and Development	-	-	-	-
Legacy Appropriations				
Total Project Funding	-	-	\$15,000	\$15,000
Obligations	-	-		
Expenditures	-	-		

¹ – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
N/A							

Significant Changes to Investment since Prior Year Enacted

No significant changes.

U.S. Coast Guard
Investment Schedule

Procurement, Construction, and Improvements

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
N/A					
	FY 2019				
Project Management			FY 2019 Q1	FY 2021 Q4	\$2,500
Technical / Engineering			FY 2019 Q1	FY 2021 Q4	\$2,500
LLTM / Production			FY 2019 Q4	FY 2021 Q4	\$10,000
	FY 2020				
Project Management			FY 2020 Q1	FY 2024 Q4	\$2,000
Technical / Engineering			FY 2020 Q1	FY 2024 Q4	\$2,000
LLTM / Production			FY 2020 Q1	FY 2024 Q4	\$11,000

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

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
HC-144 Conversion/Sustainment	-	\$17,000	\$17,000	-
HC-27J Conversion/Sustainment	\$70,000	\$80,000	\$103,200	\$23,200
HC-130J Acquisition/Conversion/Sustainment	\$100,600	-	-	-
MH-65 Conversion/Sustainment	\$22,000	\$20,000	\$50,000	\$30,000
MH-60T Sustainment	\$2,500	\$25,000	\$20,000	(\$5,000)
Small Unmanned Aircraft Systems	\$500	\$6,000	\$9,400	\$3,400
Total	\$195,600	\$148,000	\$199,600	\$51,600
Discretionary - Appropriation	\$195,600	\$148,000	\$199,600	\$51,600

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 areas of responsibility. The land-based fixed-wing aircraft include the HC-144, HC-130H/J and HC-27J aircraft. The Coast Guard's fleet of HC-144s 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 MH-60 and MH-65 helicopters. The MH-60 is a medium-range recovery (MRR) helicopter and the MH-65 is a short-range recovery (SRR) helicopter. Both aircraft are deployed from land-based air stations; the MH-65 is also deployed routinely aboard the Coast Guard's fleet of NSCs, WHECs, and WMECs. Similarly, the Coast Guard will continue outfitting NSCs with small Unmanned Aircraft Systems (sUAS) to fulfill unmanned air surveillance capability requirements.

Aircraft - PPA

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2018	FY 2019	FY 2020
Enacted/Request	\$195,600	\$148,000	\$199,600
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$221,729	\$157,058	\$59,356
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	(\$4,000)	-	-
Supplementals	\$36,000	-	-
Total Budget Authority	\$449,329	\$305,058	\$258,956
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$449,329	\$305,058	\$258,956
Obligations (Actual/Estimates/Projections)	\$292,214	\$245,702	\$213,382
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 2018 Enacted	-	-	\$195,600
FY 2019 President's Budget	-	-	\$148,000
FY 2020 Base Budget	-	-	-
HC-144 Conversion/Sustainment	-	-	\$17,000
HC-27J Conversion/Sustainment	-	-	\$103,200
MH-60T Sustainment	-	-	\$20,000
MH-65 Conversion/Sustainment	-	-	\$50,000
Small Unmanned Aircraft System (sUAS)	-	-	\$9,400
Total Investment Elements	-	-	\$199,600
FY 2020 Request	-	-	\$199,600
FY 2019 To FY 2020 Change	-	-	\$51,600

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

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$299	\$350	\$625	\$275
23.2 Rental Payments to Others	-	-	\$255	\$255
25.1 Advisory and Assistance Services	\$32,053	\$9,660	\$12,872	\$3,212
25.2 Other Services from Non-Federal Sources	\$309	\$320	\$9,493	\$9,173
25.3 Other Goods and Services from Federal Sources	\$103,350	\$64,430	\$100,241	\$35,811
25.7 Operation and Maintenance of Equipment	\$3,006	\$4,726	-	(\$4,726)
26.0 Supplies and Materials	\$16,072	\$13,803	\$39,840	\$26,037
31.0 Equipment	\$40,511	\$54,711	\$36,274	(\$18,437)
Total - Non Pay Object Classes	\$195,600	\$148,000	\$199,600	\$51,600

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
HC-144 Conversion/Sustainment	-	\$17,000	\$17,000	-
HC-27J Conversion/Sustainment	\$70,000	\$80,000	\$103,200	\$23,200
MH-60T Sustainment	\$2,500	\$25,000	\$20,000	(\$5,000)
MH-65 Conversion/Sustainment	\$22,000	\$20,000	\$50,000	\$30,000
Other Costs	\$101,100	\$6,000	\$9,400	\$3,400
Total Non Pay Cost Drivers	\$195,600	\$148,000	\$199,600	\$51,600

Explanation of Non Pay Cost Drivers

HC-144 Conversion/Sustainment: The FY 2020 funds will support the ongoing HC-144 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 Conversion/Sustainment: The FY 2020 funds will support the ongoing HC-27J project, including continued non-recurring engineering required to support aircraft missionization and cockpit modernization in addition to continued funding for low rate initial production of missionized aircraft.

MH-60T Sustainment: The FY 2020 funds will 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.

MH-65 Conversion/Sustainment: The FY 2020 funds will support the MH-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 2020 funds will support the Small Unmanned Aircraft Systems (sUAS) for the NSC fleet. Although there is no request for the HC-130J program in FY 2020, the HC-130J program will continue activities in support of the acquisition of missionized aircraft with the Coast Guard variant of the U.S. Navy Minotaur mission system utilizing prior year funding.

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
HC-27J Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$70,000	\$80,000	\$103,200
MH-65 Conversion/Sustainment	N024-000006366	1	Procurement	Non-IT	Yes	\$22,000	\$20,000	\$50,000
MH-60T Sustainment	N024-000006367	1	Procurement	Non-IT	Yes	\$2,500	\$25,000	\$20,000
HC-144 Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	-	\$17,000	\$17,000
HC-130J Acquisition/Conversion/Sustainment	N024-000006382	1	Procurement	Non-IT	Yes	\$100,600	-	-
Small Unmanned Aircraft Systems	N024-000006404	3	Procurement	Non-IT	Yes	\$500	\$6,000	\$9,400

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
HC-27J Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	\$70,000	\$80,000	\$103,200

Investment Description

This investment supports logistics requirements and missionization 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 development and production. Missionization activities include non-recurring engineering (NRE), structural modifications, and procurement of mission systems, production/installation, testing, and mission system logistics.

Justification

The HC-27J is one of the Coast Guard's 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 2018 Key Milestone Events

- Continued APO operations.
- Continued Contractor Logistics Support.
- Continued airworthiness efforts coordinated with NAVAIR.
- Completed aircraft regeneration and induction.
- Continued procurement of logistics.
- Continued NRE for aircraft missionization.
- Completed purchase of operational flight trainer.
- Commenced missionization of prototype aircraft.
- Completed 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.
- Complete engineering studies to assess and resolve aircraft obsolescence.
- Commence missionization of validation and verification aircraft.

FY 2020 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.
- Complete missionization of prototype aircraft.
- Commence prototype testing.
- Continue missionization of validation and verification aircraft.
- Commence NRE and prototype development for HC-27J cockpit improvements and obsolescence.

Procurement, Construction, and Improvement**Aircraft - PPA****Overall Investment Funding**

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$276,900	\$70,000	\$80,000	\$103,200
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$276,900	\$70,000	\$80,000	\$103,200
Obligations	\$270,345	\$55,598		
Expenditures	\$178,976	\$1,491		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
Multiple	NAVAIR	MIPR	12/2015	12/2015	12/2020	No	\$104,208
HSCG23-17D-N50005	Leonardo	FFP	09/2016	09/2016	06/2021	No	\$61,147
70Z02318CAMJ00100	L-3 Communications Integrated Systems	FFP	08/2018	08/2018	04/2019	No	\$15,174
70Z02318DW0000001	Honeywell International	FFP	04/2018	04/2018	04/2023	No	\$15,001
70Z02318DN0000004	Northrop Grumman Systems	FFP	03/2018	03/2018	03/2020	No	\$7,476

Significant Changes to Investment since Prior Year Enacted

No significant changes.

**Procurement, Construction, and Improvement
Investment Schedule**

Aircraft - PPA

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Logistics & missionization			FY 2016 Q1	FY 2024 Q4	\$52,000
Operational flight trainer			FY 2018 Q1	FY 2019 Q4	\$18,000
	FY 2019				
Logistics & missionization			FY 2016 Q1	FY 2024 Q4	\$80,000
	FY 2020				
Logistics & missionization			FY 2016 Q1	FY 2024 Q4	\$103,200

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
HC-130J Acquisition/Conversion/Sustainment	N024-000006382	1	Procurement	Non-IT	Yes	\$100,600	-	-

Investment Description

The HC-130J program 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. The program is also retrofitting the legacy Mission System Suite (MSS) HC-130J aircraft with the Coast Guard variant of U.S. Navy Minotaur Mission System Suite + (MSS+). The upgrade improves system performance, addresses obsolescence concerns, improves cyber security of the mission system, and increases compatibility with U.S. Customs and Border Protection mission systems through conversion to the 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. While program work continues, no new funds are required for this program in the FY 2020 Budget.

FY 2018 Planned Key Milestone Events

- Completed MSS+ retrofit on 3 legacy aircraft.
- Completed CGNR-2010 MSS+ install.
- Commenced MSS+ retrofit on 3 additional legacy aircraft.
- Accepted baseline aircraft CGNR-2011 and commenced MSS+ install.
- Commenced transition activities for second HC-130J operating site, Kodiak, AK.
- Continued procurement of initial spares and equipment to support stand-up of second HC-130J unit.
- Ordered baseline aircraft CGNR-2015 from Lockheed Martin.

FY 2019 Planned Key Milestone Events

- Complete MSS+ retrofits on 3 legacy aircraft.
- Commence MSS+ retrofit on the final legacy aircraft.
- Accept baseline aircraft CGNR-2012 and CGNR-2013 and commence MSS+ install.
- Complete CGNR-2011 MSS+ install.
- Continue transition activities for second HC-130J operating site, Kodiak, AK.
- Complete procurement of initial spares and equipment to support stand-up of second HC-130J unit.

FY 2020 Planned Key Milestone Events

- Accept baseline aircraft CGNR-2014 & commence MSS+ install.
- Complete the MSS+ retrofit on the final legacy aircraft.
- Complete CGNR-2012 and CGNR-2013 MSS+ install.
- Complete transition activities for second HC-130J operating site, Kodiak, AK.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$821,882	\$100,600	-	-
Research and Development	-			
Legacy Appropriations	-			
Total Project Funding	\$821,882	\$100,600	-	-
Obligations	\$780,675	\$70,570		
Expenditures	\$521,887	-		

¹ – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG23-15-C-2DA002	L-3 Communications	FFP	09/2015	09/2015	09/2020	No	\$102,834
HSCG23-18-X-2DA816	USAF	MIPR	06/2018	06/2018	06/2020	No	\$67,000
HSCG23-17-X-2DA722	USAF	MIPR	07/2017	07/2017	04/2020	No	\$65,000
HSCG23-15-X-2DA007	USAF	MIPR	05/2015	05/2015	06/2019	No	\$65,000
HSCG23-16-X-2DA004	USAF	MIPR	04/2016	04/2016	09/2019	No	\$64,000

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
MSS+ Retrofit			FY 2018 Q1	FY 2020 Q1	\$5,600
Aircraft #15 & MSS+			FY 2018 Q3	FY 2022 Q4	\$95,000
	FY 2019				
N/A					
	FY 2020				
N/A					

MH-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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
MH-65 Conversion/Sustainment	N024-000006366	1	Procurement	Non-IT	Yes	\$22,000	\$20,000	\$50,000

Investment 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.

Justification

The FY 2020 Budget will support DS6 Automatic Flight Control System (AFCS)/Avionics upgrades and DS8 Service Life Extension Project (SLEP) for the MH-65 helicopters. 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 2018 Key Milestone Events

- Continued DS6 (AFCS/Avionics) design, integration, and procurement.
- Continued Developmental Testing & Evaluation.
- Completed Operational Assessment of the MH-65E.
- Continued planning and procurement to support DS8 (SLEP) activities.
- Rebaselined the program to include DS8 (SLEP).

Procurement, Construction, and Improvement**Aircraft - PPA****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.
- Complete one Low Rate Initial Production aircraft.

FY 2020 Planned Key Milestone Events

- Complete DS6 (AFCS/Avionics) design and integration.
- Complete Developmental Testing & Evaluation.
- Continue planning and procurement to support DS6 (AFCS/Avionics) and DS8 (SLEP) activities.
- Complete DS6 and DS8 production for nine aircraft.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$661,183	\$22,000	\$20,000	\$50,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$661,183	\$22,000	\$20,000	\$50,000
Obligations	\$636,974	\$13,278		
Expenditures	\$611,206	\$111		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG23-17-C-AHH004	Rockwell Collins	FFP	03/2017	03/2017	10/2019	No	\$17,139
70Z02318DAH00100	Honeywell International	FFP	07/2018	07/2018	07/2023	No	\$13,639
HSCG23-16-C-AHH001	Rockwell Collins	FFP	11/2015	11/2015	11/2020	No	\$12,793
HSCG23-17-C-AHH001	Rockwell Collins	FFP	01/2017	01/2017	01/2018	No	\$10,434
70Z02318DAH00400	Applied Composites Engineering Inc.	FFP	05/2018	05/2018	05/2023	No	\$9,825

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.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost <i>(Dollars in Thousands)</i>
	Initiated	Completed	Initiated	Completed	
	FY 2018				
DS6 (AFCS/Avionics) Production/DS8 (SLEP) Obtain	FY 2010 Q3	FY 2020 Q1	FY 2012 Q1	FY 2024 Q2	\$22,000
	FY 2019				
DS6 (AFCS/Avionics) Production/DS8 (SLEP) Obtain	FY 2010 Q3	FY 2020 Q1	FY 2012 Q1	FY 2024 Q2	\$20,000
	FY 2020				
DS6 (AFCS/Avionics) and DS8 (SLEP) Production	FY 2010 Q3	FY 2020 Q1	FY 2012 Q1	FY 2024 Q2	\$50,000

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
HC-144 Conversion/Sustainment	N024-000006364	1	Procurement	Non-IT	Yes	-	\$17,000	\$17,000

Investment Description

This investment supports 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 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 2018 Key Milestone Events

- Completed the Minotaur mission system and associated sensors retrofit on three aircraft.
- Fielded Minotaur mission system aircraft to Air Station Mobile, AL.

FY 2019 Planned Key Milestone Events

- Complete the Minotaur mission system and associated sensors retrofit on seven aircraft.
- Field Minotaur mission system aircraft to Air Station Corpus Christi, TX.

FY 2020 Planned Key Milestone Events

- Complete the Minotaur mission system and associated sensors retrofit on seven aircraft.
- Field Minotaur mission system aircraft to Air Station Cape Cod, MA.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	\$1,085,727	-	\$17,000	\$17,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$1,085,727	-	\$17,000	\$17,000
Obligations	\$1,079,948	-		
Expenditures	\$1,073,862	-		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG23-14-D-2DA005	EADS-NA (Spares)	FFP	07/2014	07/2014	07/2019	No	\$58,403
HSCG23-17-C-2DAM03	Tynonek	FFP	08/2017	08/2017	08/2020	No	\$15,436
HSCG23-15-F-2DA021 P00004	FLIR (Surveillance)	FFP	04/2017	04/2017	09/2018	No	\$6,011
HSCG23-17-X-2DAM040	NAVAIR (Minotaur)	MIPR	08/2017	08/2018	08/2020	No	\$2,282

Significant Changes to Investment since Prior Year Enacted

No significant changes.

**Procurement, Construction, and Improvement
Investment Schedule**

Aircraft - PPA

Description	Design Work		Project Work		Estimated Cost <i>(Dollars in Thousands)</i>
	Initiated	Completed	Initiated	Completed	
	FY 2018				
N/A					
	FY 2019				
Minotaur Mission System			FY 2017 Q1	FY 2022 Q4	\$17,000
	FY 2020				
Minotaur Mission System			FY 2017 Q1	FY 2022 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
MH-60T Sustainment	N024-000006367	1	Procurement	Non-IT	Yes	\$2,500	\$25,000	\$20,000

Investment Description

The MH-60T is a multi-mission, MRR helicopter. The FY 2020 Budget provides funding to support a service life extension 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 program 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 2020 funding includes materials and labor to continue service life extension production activities. Integration and assembly activities will be performed at the Coast Guard Aviation Logistics Center (ALC).

Justification

This airframe complements the 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 Key Milestone Events

- Initiated the acquisition program and developed documentation.
- Commenced Alternatives Analysis.

FY 2019 Planned Key Milestone Events

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

Procurement, Construction, and Improvement
FY 2020 Planned Key Milestone Events

Aircraft - PPA

- Continue service life extension production activities.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	-	\$2,500	\$25,000	\$20,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Project Funding	-	\$2,500	\$25,000	\$20,000
Obligations	-	\$1,621		
Expenditures	-	\$137		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
N/A							

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

Significant Changes to Investment since Prior Year Enacted

No significant changes.

**Procurement, Construction, and Improvement
Investment Schedule**

Aircraft - PPA

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Service Life Extension Activities	FY 2018 Q1	FY 2021 Q3	FY 2018 Q1	FY 2027 Q4	\$2,500
	FY 2019				
Service Life Extension Activities	FY 2018 Q1	FY 2021 Q3	FY 2018 Q1	FY 2027 Q4	\$25,000
	FY 2020				
Service Life Extension Activities	FY 2018 Q1	FY 2021 Q3	FY 2018 Q1	FY 2027 Q4	\$20,000

Small Unmanned Aircraft Systems – PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Small Unmanned Aircraft Systems

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Small Unmanned Aircraft Systems	N024-000006404	3	Procurement	Non-IT	Yes	\$500	\$6,000	\$9,400

Investment Description

The Small Unmanned Aircraft System (sUAS) for the NSC program is intended to address the NSC's requirement for a persistent airborne surveillance capability, and will serve as an information, surveillance, and reconnaissance (ISR) platform for the cutter. The FY 2020 Budget will continue to fund the installation and System Operation Verification and Test (SOVT) of sUAS capability on the NSC, to include engineering services, procurement, and installation of sUAS components.

Justification

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

FY 2018 Key Milestone Events

- Released an RFP for sUAS for the NSC fleet.
- Completed prototype evaluation to inform the acquisition - Executed Option Period One (1) on the NAVAIR Multiple Award Contract for two 105-day deployments.
- Awarded contract to operate and support sUAS for the NSC fleet.
- Commenced installation of sUAS for the NSC fleet.
- Commenced topside analysis for the NSC fleet.
- Continued drawing packages for the NSC fleet.

**Procurement, Construction, and Improvement
FY 2019 Planned Key Milestone Events)**

Aircraft - PPA

- Continue the installation of sUAS in the NSC fleet.
- Complete topside analysis for the NSC fleet.
- Complete drawing packages for the NSC fleet.

FY 2020 Planned Key Milestone Events

- Continue the installation and commence SOVT of sUAS in the NSC fleet.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$24,300 ²	\$500	\$6,000	\$9,400
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$24,300 ²	\$500	\$6,000	\$9,400
Obligations	\$20,459 ²	-		
Expenditures	\$12,669 ²	-		

1 – USCG is not currently able to break out sustainment funding for this investment

2 – FY 2017 funding and prior was appropriated for sUAS within the NSC program.

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 (Dollars in Thousands)
70Z023-18-C-2DAU-0400	Insitu Inc.	FFP	6/2018	6/2018	5/2026	No	\$25,800 ³
N00019-12-D-0011-0009	Insitu Inc.	FFP	06/2015	06/2015	12/2020	No	\$7,612
Multiple	SPAWAR	MIPR	3/2018	3/2018	9/2021	No	\$3,836

3 – This represents the approximate value of total PC&I funded activities under the contract. Remaining activities associated with sUAS operation aboard NSCs are O&S funded.

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
sUAS Program Management	FY 2015 Q3	FY 2016 Q4	FY 2018 Q1	FY 2018 Q4	\$500
	FY 2019				
sUAS Installation in the NSC Fleet	FY 2015 Q3	FY 2016 Q4	FY 2019 Q1	FY 2023 Q4	\$6,000
	FY 2020				
sUAS Installation in the NSC Fleet	FY 2015 Q3	FY 2016 Q4	FY 2020 Q1	FY 2024 Q4	\$9,400

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

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Other Equipment and Systems	\$4,000	\$3,500	\$3,500	-
Program Oversight and Management	\$15,000	\$20,000	\$20,000	-
C4ISR	\$22,000	\$23,300	\$25,156	\$1,856
Coast Guard Logistics Information Management System	\$9,800	\$13,200	\$6,400	(\$6,800)
Cyber and Enterprise Mission Platform	-	-	\$14,200	\$14,200
Total	\$50,800	\$60,000	\$69,256	\$9,256
Discretionary - Appropriation	\$50,800	\$60,000	\$69,256	\$9,256

PPA Description

The Other Acquisition Programs PPA includes funding to support initial acquisition, development, construction, or improvement of any end-use system, hardware, software or equipment costing over \$250,000, or \$10M total project cost. In FY 2020, funding will also support continued progress on build-out of Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems; CG-Logistics Information Management System (CG-LIMS); and emerging Cyber and Enterprise Mission Platform projects. 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 immensely challenging operating environments. Assets are able to receive, evaluate and act upon information obtained through the systems supported in this program. The C4ISR acquisition provides standardized capability to major cutters and aircraft, facilitating interoperability and information sharing inside and outside the Coast Guard. The CG-LIMS acquisition replaces, modernizes and unifies redundant and obsolete logistics systems with a consolidated, centralized, and integrated IT database system with enhanced configuration management, supply support, and improved financial accountability. The Cyber and Enterprise Mission Platform projects support replacement of the obsolete Maritime Security Risk Analysis Model (MSRAM) with a web-based application, start recapitalization of MILSATCOM capabilities at shore stations with the Mobile User Objective System (MUOS), and begin transition to a network infrastructure that supports operations in a secure mobile environment. 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 2018	FY 2019	FY 2020
Enacted/Request	\$50,800	\$60,000	\$69,256
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$50,051	\$45,298	\$3,569
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$100,851	\$105,298	\$72,825
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$100,851	\$105,298	\$72,825
Obligations (Actual/Estimates/Projections)	\$55,078	\$101,729	\$65,264
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 2018 Enacted	-	-	\$50,800
FY 2019 President's Budget	-	-	\$60,000
FY 2020 Base Budget	-	-	-
C4ISR	-	-	\$25,156
CG Logistics Information Management System (CG-LIMS)	-	-	\$6,400
Cyber and Enterprise Mission Platform	-	-	\$14,200
Other Equipment and Systems	-	-	\$3,500
Program Oversight and Management	-	-	\$20,000
Total Investment Elements	-	-	\$69,256
FY 2020 Request	-	-	\$69,256
FY 2019 To FY 2020 Change	-	-	\$9,256

Other Acquisition Programs – PPA

Non Pay Budget Exhibits

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$553	\$530	\$555	\$25
23.3 Communications, Utilities, and Misc. Charges	-	\$319	-	(\$319)
25.1 Advisory and Assistance Services	\$26,824	\$33,937	\$30,532	(\$3,405)
25.2 Other Services from Non-Federal Sources	\$14,117	\$14,650	\$13,030	(\$1,620)
25.3 Other Goods and Services from Federal Sources	\$4,866	\$6,830	\$10,254	\$3,424
26.0 Supplies and Materials	\$440	\$234	\$285	\$51
31.0 Equipment	\$4,000	\$3,500	\$14,600	\$11,100
Total - Non Pay Object Classes	\$50,800	\$60,000	\$69,256	\$9,256

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
C4ISR	\$22,000	\$23,300	\$25,156	\$1,856
Coast Guard Logistics Information Management System	\$9,800	\$13,200	\$6,400	(\$6,800)
Cyber and Enterprise Mission Platform	-	-	\$14,200	\$14,200
Other Equipment and Systems	\$4,000	\$3,500	\$3,500	-
Program Oversight and Management	\$15,000	\$20,000	\$20,000	-
Total – Non Pay Cost Drivers	\$50,800	\$60,000	\$69,256	\$9,256

Explanation of Non Pay Cost Drivers

C4ISR: Funds the FY 2020 requirement for the design, development, and information assurance posture of C4ISR integrated hardware and software systems on Coast Guard assets.

Coast Guard Logistics Information Management System (CG-LIMS): Funds the FY 2020 requirement for the development and delivery of the CG-LIMS, including continued configuration and phased deployment for Coast Guard operational assets and support facilities.

Cyber and Enterprise Mission Platform: Initiates funding for emerging Command and Control, Communications, Computer, Cyber, and Intelligence (C5I) capabilities. FY 2020 funding starts recapitalization of MILSATCOM capabilities at shore stations with the Mobile User Objective System (MUOS), replaces the obsolete Maritime Security Risk Analysis Model (MSRAM) with a web-based application supporting the suite of risk analysis tools, and begins transition to a network infrastructure that supports operations in a secure mobile environment.

Other Equipment and Systems: Funds the FY 2020 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 2020 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.

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
C4ISR	024-000006343	1	Procurement	IT	Yes	\$22,000	\$23,300	\$25,156
Coast Guard Logistics Information Management System	024-000006115	3	Procurement	IT	Yes	\$9,800	\$13,200	\$6,400
Program Oversight and Management	N/A	Non-Major	Procurement	Non-IT	No	\$15,000	\$20,000	\$20,000
Cyber and Enterprise Mission Platform	-	-	Procurement	IT	-	-	-	\$14,200
Other Equipment and Systems	N/A	Non-Major	Procurement	Non-IT	No	\$4,000	\$3,500	\$3,500

Other Equipment and Systems – Investment Itemized Procurements

End Items Purchases

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Other Equipment and Systems	N/A	Non-Major	Procurement	Non-IT	No	\$4,000	\$3,500	\$3,500

Investment Description

This investment supports 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 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.

End Items Breakdown <i>(Dollars in Thousands)</i>	FY 2018 Enacted		FY 2019 President's Budget		FY 2020 OMB Submission	
	Quantity	Amount	Quantity	Amount	Quantity	Amount
Aircraft Operation, Maintenance, and Test Equipment	3	\$1,850	3	\$1,300	2	\$1,135
Vessel Operation, Maintenance, and Test Equipment	2	\$750	2	\$850	2	\$1,015
Fire Response/Rescue Vehicle	2	\$1,400	1	\$1,350	2	\$1,350
Total	N/A	\$4,000	N/A	\$3,500	N/A	\$3,500

Note: This table provides a listing of planned procurements and estimated cost based on current information and priorities. This list may be adjusted as new information is discovered and due to emergent needs and priorities.

- Aircraft Operation, Maintenance, and Test Equipment: Operation, maintenance, and test equipment to support various Coast Guard aircraft such as MH-65D/E, MH-60T, and HC-130J/H. Examples include: automatic circuit analysis testing equipment, radar equipment, embedded GPS/inertial alignment equipment, laser alignment measuring tool, portable wiring harness, portable paint booth, tailcone fixture, and other emergent equipment.

This equipment is critical to complete necessary maintenance and repairs during planned depot maintenance and to ensure operational readiness of Coast Guard aircraft.

- Vessel Operation, Maintenance, and Test Equipment: Operation, maintenance, and test equipment to support various Coast Guard boats and vessels. Examples include: hydraulic lift trailer, mobile boat hoists, engine overhaul special tool kit, and other emergent equipment. This equipment is critical to complete necessary maintenance and repairs and to ensure operational readiness of Coast Guard vessels and boats.
- Fire Response/Rescue Vehicle: Replacement fire response and aircraft rescue vehicles. These vehicles provide organic fire and emergency response capability in response to fires, general facility emergencies, and aircraft emergencies.

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Program Oversight and Management	N/A	Non-Major	Procurement	Non-IT	No	\$15,000	\$20,000	\$20,000

Investment 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 2020 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 contract specialist support for Major System Acquisition projects, Defense Contract Management Agency/Defense Contract Audit Agency support services.
Acquisition Workforce Management	Program training, strategic & tactical human capital support, Sustainment/Acquisition-Composite Model 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; C4ISR; and Logistics development and testing programs.
Resource Management	Acquisition Performance Management System software licenses and maintenance support; capitalization and audit remediation support; internal controls support; and Life Cycle Cost Estimating support.

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

PO&M Activity	Description
Acquisition Programs Oversight	Naval Sea Systems Command (NAVSEA) programmatic support, Naval Surface Warfare Center/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, technical documentation, performance management, and site visits.
Acquisition Programs – Surface	Program management support to include administrative, business finance, accounting, risk management, schedule analysis, costs analysis, logistics support, technical documentation, performance management, 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 support, Major System Acquisition project coordinator at Space and Naval Warfare Systems Command, and site visits.

FY 2018 Key Milestone Events

- Continued to provide cross-programmatic acquisition support.

FY 2019 Planned Key Milestone Events

- Continue to provide cross-programmatic acquisition support.

FY 2020 Planned Key Milestone Events

- Continue to provide cross-programmatic acquisition support.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$511,028	\$15,000	\$20,000	\$20,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$511,028	\$15,000	\$20,000	\$20,000
Obligations	\$505,251	\$10,412		
Expenditures	\$498,569	\$2,966		

¹ – USCG is not currently able to break out sustainment funding for this investment

Procurement, Construction, and Improvements**Other Acquisition Programs - PPA****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 (Dollars in Thousands)
GS-00F-0007X	PotomacWave	FFP	08/2018	08/2018	08/2019	No	\$1,478
GS00Q14OADS106	Insight Technology	FFP	02/2018	02/2018	02/2019	No	\$1,392
GS00Q14OADS125	Management Solutions	FFP	05/2018	05/2018	05/2019	No	\$1,317
GS00Q14OADS112	Credence Management	FFP	03/2018	03/2018	02/2019	No	\$1,275
47QTCA18D0081	EIS	FFP	08/2018	08/2018	08/2019	No	\$1,046

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost <i>(Dollars in Thousands)</i>
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Program Oversight and Management			FY 2018 Q1	FY 2022 Q4	\$15,000
	FY 2019				
Program Oversight and Management			FY 2019 Q1	FY 2023 Q4	\$20,000
	FY 2020				
Program Oversight and Management			FY 2020 Q1	FY 2024 Q4	\$20,000

C4ISR - PPA Level II Capital Investment Exhibits

Procurement/Acquisition Programs

C4ISR

Procurement, Construction, and Improvements Funding

Investment (Dollars in Thousands)	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
C4ISR	024-000006343	1	Procurement	IT	Yes	\$22,000	\$23,300	\$25,156

Investment Description

This program integrates and funds the design, development, and information assurance posture of C4ISR Integrated hardware and software systems on NSCs, OPCs, PSCs, FRCs, WCCs, and legacy 270-foot WMECs undergoing SLEPs. 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 upgrades on NSCs to support cybersecurity requirements, capability requirements, training, logistics, integration, and testing;
- Tailoring SeaWatch for surface acquisition programs and the 270-foot WMEC SLEP, and providing technical assistance for surface acquisitions to ensure commonality;
- Technical assistance and engineering design management for C4ISR systems on the NSC, OPC, PSC, FRC, WCC, 270-foot WMEC SLEP, and combat systems;
- Information Assurance (IA) / TEMPEST / Certification and Accreditation (C&A) expertise and documentation to newly acquired assets to ensure new USCG assets are 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;
- 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, including technical documentation and training requirements, 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 to include software and systems engineering oversight, to accommodate capability upgrades and design modifications related to C4ISR while the asset is in production; and
- Project execution support services for planning, development, engineering, configuration management, safety, and other required disciplines.

FY 2018 Key Milestone Events

- Aviation assets:
 - Continued to coordinate and plan for obtaining ATO and TEMPEST certifications.
- Surface assets:
 - Installed Sea Commander suite at Training Center Petaluma.
 - Continued tailoring SeaWatch for the OPC.
 - Began tailoring SeaWatch and C4ISR system elements for the PSC.
 - Continued tailoring C4ISR and combat system elements for the OPC.
 - Assisted the NSC, OPC, and 270-foot WMEC SLEP with C4ISR design, testing, and implementation of related engineering changes.
 - Assisted FRC and NSC programs with achievement of ATO and conducting TEMPEST inspections.
- Labs:
 - Continued to operate verification labs to facilitate fielding of Sea Commander for new cutters.
 - Continued to operate labs to develop and test major block upgrades for the NSC combat system, to include interoperability and cyber security upgrades.

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.
 - Continue tailoring SeaWatch and C4ISR system elements for the PSC.
 - Continue tailoring C4ISR and combat system elements for the OPC.
 - Assist the NSC, OPC, and 270-foot WMEC SLEP with C4ISR design, testing, and implementation of related engineering changes.
 - Assist FRC and NSC programs with achievement of ATO and conducting TEMPEST inspections.
 - Field the next block upgrade of Sea Commander, to include interoperability and cyber security upgrades.
 - Continue integration and testing of C4ISR systems on newly-acquired NSCs and FRCs.
- 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.

FY 2020 Planned Key Milestone Events

- Aviation assets:
 - Continue to coordinate and plan for obtaining ATO and TEMPEST certifications.
- Surface assets:
 - Continue tailoring C4ISR systems, combat systems, and SeaWatch software for the OPC.
 - Continue tailoring C4ISR systems, combat systems, and SeaWatch software for the PSC.
 - Begin tailoring C4ISR systems and SeaWatch software for the WCC.
 - Assist the NSC, OPC, WCC, and 270-foot WMEC SLEP with C4ISR design, testing, and implementation of related engineering changes.
 - Assist NSC, FRC, OPC, PSC, and 270-foot WMEC SLEP with achievement of ATO and conduct TEMPEST inspections.
 - Support the development, integration, and upgrades of the Sea Commander suite for NSC.
 - Continue integration, training, logistics, and testing of C4ISR systems on newly-acquired assets.
- Labs:
 - Continue to operate verification labs to facilitate fielding of Sea Commander.
 - Continue to operate labs to develop and test upgrades for the NSC combat system, to include interoperability and cyber security upgrades.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$866,043	\$22,000	\$23,300	\$25,156
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$866,043	\$22,000	\$23,300	\$25,156
Obligations	\$844,582	\$8,118		
Expenditures	\$819,231	\$3,059		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
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

Procurement, Construction, and Improvements

Other Acquisition Programs - PPA

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Aviation Information Assurance			FY 2011 Q3	FY 2026 Q4	\$200
Sea Commander Block B: NSC			FY 2012 Q1	FY 2019 Q4	\$18,000
New Asset Acquisition Support: OPC			FY 2014 Q1	FY 2026 Q4	\$2,500
New Asset Acquisition Support: FRC			FY 2009 Q1	FY 2026 Q4	\$500
New Asset Acquisition Support: PIB			FY 2018 Q1	FY 2026 Q4	\$800
	FY 2019				
Aviation Information Assurance			FY 2011 Q3	FY 2026 Q4	\$200
Sea Commander Block B: NSC (through NSC 8)			FY 2012 Q1	FY 2019 Q4	\$17,550
New Asset Acquisition Support: OPC			FY 2014 Q1	FY 2026 Q4	\$3,500
New Asset Acquisition Support: FRC			FY 2009 Q1	FY 2026 Q4	\$500
New Asset Acquisition Support: PIB			FY 2018 Q1	FY 2026 Q4	\$1,100
New Asset Acquisition Support: NSC (NSC 9)			FY 2019 Q1	FY 2026 Q4	\$450
	FY 2020				
Sea Commander / SeaWatch			FY 2020 Q1	FY 2034 Q4	\$10,556
C4ISR Acquisition Support			FY 2020 Q1	FY 2034 Q4	\$7,100
Labs			FY 2020 Q1	FY 2034 Q4	\$3,800
Information Assurance / Cybersecurity			FY 2020 Q1	FY 2034 Q4	\$3,700

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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Coast Guard Logistics Information Management System	024-000006115	3	Procurement	IT	Yes	\$9,800	\$13,200	\$6,400

Investment Description

This investment supports the modernization and unification of the Coast Guard's logistics configuration, maintenance, supply chain and technical information into a central database system. Funding continues for the Coast Guard Logistics Information Management System (CG-LIMS) development, configuration, and testing with phased delivery deployment to Coast Guard operational assets and support facilities to include aircraft, surface, and shore facility product lines. Specifically, the funding continues to support Configuration/Maintenance Management (Segment 1), Supply Chain Management (Segment 2), and Technical Information Management (Segment 3) functionality.

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; and
- 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.

FY 2018 Key Milestone Events

- Continued developing Configuration/Maintenance Management (CM/MM) and Supply Chain Management (SCM).
- Completed developing the Technical Information Management (TIM) functionality for surface and aviation communities.
- Continued to re-plan development and testing of interfaces and integration with DHS TRIO Financial System Modernization (FSM) capability.

FY 2019 Planned Key Milestone Events

- Continue developing CC/MM and SCM.
- Develop TIM user interface portal for multiple communities and induct civil engineering technical information.
- Plan and design CG-LIMS/DHS TRIO FSM interfaces.
- Complete Business Process Reengineering to standardize logistics processes across the Coast Guard surface, aviation, C4IT, and shore communities.

FY 2020 Planned Key Milestone Events

- Continue developing CC/MM and SCM.
- Assist with retiring the legacy Coast Guard Technical Information Management System after CG-LIMS TIM capability has entered and tested civil engineering technical information.
- Develop and test interfaces and integrate with DHS TRIO FSM capability.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$48,969	\$9,800	\$13,200	\$6,400
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$48,969	\$9,800	\$13,200	\$6,400
Obligations	\$48,729	\$464		
Expenditures	\$47,053	\$202		

1 – USCG is not currently able to break out sustainment funding for this investment

Procurement, Construction, and Improvements**Other Acquisition Programs - PPA****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 (Dollars in Thousands)
70Z023-18-FADL006	Mythics	FFP	09/2018	09/2018	09/2019	No	\$3,923
GS00Q17GWD2004	Ishpi	FFP	06/2018	06/2018	06/2019	No	\$260

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
CG-LIMS Development			FY 2008 Q2	FY 2022 Q4	\$9,800
	FY 2019				
CG-LIMS Development			FY 2008 Q2	FY 2022 Q4	\$13,200
	FY 2020				
CG-LIMS Development			FY 2008 Q2	FY 2022 Q4	\$6,400

Cyber and Enterprise Mission Platform -PPA Level II

Capital Investment Exhibits

Procurement/Acquisition Programs

Cyber and Enterprise Mission Platform

Procurement, Construction, and Improvements Funding

Investment <i>(Dollars in Thousands)</i>	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Cyber and Enterprise Mission Platform	-	-	Procurement	IT	-	-	-	\$14,200

Investment Description

This investment supports program management activities in support of the Enterprise Mission Platform (EMP); delivering operational and mission support capabilities for Command and Control, Communications, Computer, Cyber, and Intelligence (C5I).

Justification

Cyber and EMP funding provides program management and logistics support for C5I capabilities spanning all Information Technology (IT) portfolios, including IT infrastructure, communications, cyber, navigation, and domain awareness. The following projects will be supported with FY 2020 funding:

- Mobile User Objective System (MUOS): This project starts recapitalization of the 40 existing MILSATCOM Ultra High Frequency (UHF) communication capabilities on Coast Guard shore installations with MUOS. Concurrently, an O&S effort is underway to recapitalize the aviation and afloat segments of MUOS. MILSATCOM provides a reliable means of communication in theater, disaster areas, remote latitudes, etc., and also permits consistent data exchange for maritime domain awareness (MDA) and DHS law enforcement missions. The existing MILSATCOM UHF system is beyond end of life and is beginning to experience system degradation. The system will be non-functional by 2024 and will be replaced by MUOS. Any assets that do not have MUOS will lose this capability entirely.
- Maritime Security Risk Analysis Model (MSRAM): This is a highly customized suite of risk tools developed in 2006. System hardware and software recapitalization will restore system capacity while transitioning functionality into a web based application. Meeting current cybersecurity standards and eliminating vulnerabilities is a key component of this effort. The funding required in FY 2020 is sufficient to complete this recapitalization effort; no additional out-year funding is anticipated.
- Mobility 2.0: This project begins the transition to a network infrastructure that supports the ability to operate in a secure mobile environment. Efforts will focus on both hardware and software to include upgrades to the Marine Information for Safety and Law Enforcement (MISLE)

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

application. As currently architected, MISLE hampers the ability of field personnel to operate in a secure mobile environment. The existing MISLE software prevents the merging of duplicate vessel and facility files, and was designed prior to established standards for delivering data on a mobile platform.

FY 2018 Key Milestone Events

- N/A

FY 2019 Planned Key Milestone Events

- N/A

FY 2020 Planned Key Milestone Events

- Initiate design work for MUOS shore installations.
- Initiate installation work on five MUOS shore installations.
- Initiate MSRAM system engineering, prototyping, and production.
- Initiate design and system engineering for Mobility 2.0.

Overall Investment Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	-	-	-	\$14,200
Research and Development	-	-	-	-
Legacy Appropriations				
Total Project Funding	-	-	-	\$14,200
Obligations	-	-		
Expenditures	-	-		

1 – USCG is not currently able to break out sustainment funding for this investment

Procurement, Construction, and Improvements**Other Acquisition Programs - PPA****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 (Dollars in Thousands)
N/A							

This investment does not currently have any contracts.

Significant Changes to Investment since Prior Year Enacted

New investment in FY 2020.

Investment Schedule

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
N/A					
	FY 2019				
N/A					
	FY 2020				
MUOS			FY 2020 Q1	FY 2025 Q4	\$8,300
MSRAM	FY 2020 Q1	FY 2021 Q3	FY 2021 Q1	FY 2023 Q4	\$3,700
Mobility 2.0	FY 2020 Q1	FY 2021 Q3	FY 2021 Q1	FY 2025 Q4	\$2,200

*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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Major Shore, Housing, ATON, Survey and Design	\$42,400	\$30,000	\$52,000	\$22,000
Major Acquisition Systems Infrastructure	\$87,100	\$100,000	\$116,600	\$16,600
Minor Shore	\$5,000	\$5,000	\$5,000	-
Total	\$134,500	\$135,000	\$173,600	\$38,600
Discretionary - Appropriation	\$134,500	\$135,000	\$173,600	\$38,600

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 2018	FY 2019	FY 2020
Enacted/Request	\$134,500	\$135,000	\$173,600
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$234,092	\$983,036	\$739,488
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	(\$3,100)	-	-
Supplementals	\$682,919	-	-
Total Budget Authority	\$1,048,411	\$1,118,036	\$913,088
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$1,048,411	\$1,118,036	\$913,088
Obligations (Actual/Estimates/Projections)	\$65,375	\$378,548	\$269,931
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 2018 Enacted	-	-	\$134,500
FY 2019 President's Budget	-	-	\$135,000
FY 2020 Base Budget	-	-	-
Major Acquisition Systems Infrastructure	-	-	\$116,600
Major Shore, AtoN and S&D	-	-	\$52,000
Minor Shore	-	-	\$5,000
Total Investment Elements	-	-	\$173,600
FY 2020 Request	-	-	\$173,600
FY 2019 To FY 2020 Change	-	-	\$38,600

Shore Facilities and Aids to Navigation – PPA

Non Pay Budget Exhibits

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$1,283	\$845	\$463	(\$382)
23.3 Communications, Utilities, and Misc. Charges	\$15	-	\$50	\$50
25.1 Advisory and Assistance Services	\$1,460	\$6,025	\$19,765	\$13,740
25.4 Operation and Maintenance of Facilities	\$500	-	-	-
31.0 Equipment	\$7,065	-	-	-
32.0 Land and Structures	\$124,177	\$128,130	\$153,322	\$25,192
Total - Non Pay Object Classes	\$134,500	\$135,000	\$173,600	\$38,600

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Major Acquisition Systems Infrastructure	\$87,100	\$100,000	\$116,600	\$16,600
Major Shore, Housing, ATON, Survey and Design	\$42,400	\$30,000	\$52,000	\$22,000
Minor Shore	\$5,000	\$5,000	\$5,000	-
Total – Non Pay Cost Drivers	\$134,500	\$135,000	\$173,600	\$38,600

Explanation of Non Pay Cost Drivers

Major Acquisition Systems Infrastructure: Funds the FY 2020 requirement for shore facility infrastructure modifications, upgrades, and new construction associated with homeporting new or modified cutters, boats, and aircraft.

Major Shore, Housing, ATON, Survey and Design: Funds the FY 2020 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.

Minor Shore: Funds the FY 2020 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Major Acquisition Systems Infrastructure	N/A	Non-Major	Construction	Non-IT	No	\$87,100	\$100,000	\$116,600
Major Shore, Housing, ATON, Survey and Design	N/A	Non-Major	Construction	Non-IT	No	\$42,400	\$30,000	\$52,000
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 (Dollars in Thousands)	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Major Shore, Housing, ATON, Survey and Design	N/A	Non-Major	Construction	Non-IT	No	\$42,400	\$30,000	\$52,000

Construction Description

This investment includes major PC&I shore facility and housing construction, replacement, upgrade or improvement projects; construction and improvements to buoys and structures assisting navigation on Federal waterways; and survey and design required for future year PC&I shore projects. Funding in FY 2020 supports the following facility and infrastructure construction, replacement, upgrade and/or improvement projects:

- \$5.0M (estimated) for Utility Upgrades – Air Station Ventura, CA: Project provides infrastructure upgrades and construction at Naval Base Ventura County (NBVC), Point Mugu, CA to support Coast Guard aviation assets, including hangar and support buildings. Project includes obtaining commercial power external to NBVC and integrating other NBVC utilities, and will be combined with funding provided to relocate the Air Station in FY 2016.
- \$23.0M (estimated) for Boat Haulout – Station Tillamook Bay, OR: Project recapitalizes the boat haulout pier and boat haulout system at Station Tillamook Bay. The current structure and system is over 35 years old and is currently condemned. Project also includes a new covered boat mooring with work/storage spaces, which is required for direct operational and maintenance support for the Station's four boats.
- \$15.0M (estimated) for Covered Boat Moorings and Erosion Control – Station Siuslaw River, OR: Project replaces the covered boat moorings, which have been damaged by the river bottom scouring. This project also provides a comprehensive engineered waterside and landside solution for multiple erosion issues, including site settlement, upland surface erosion, and shoreline erosion; this project will be combined with funding provided in FY 2016.
- \$7.5M (estimated) for Concrete Aviation Apron – Sector Columbia River, OR: Project recapitalizes failed aviation pavements, which are over 60 years old and have exceeded their service life. The pavement, subgrade, and drainage will be repaired or replaced to minimize the risk of foreign object debris damage to rotary wing aircraft conducting primarily search and rescue operations.
- \$0.1M (estimated) for Waterways and Aids to Navigation (ATON) Infrastructure: Project establishes, maintains, and improves transportation

safety on Federal waterways through construction and improvements to buoys and structures that assist in navigation. Waterways infrastructure projects address requirements related to U.S. Army Corps of Engineers (USACE) activity and to repair/replace aging or damaged aids to navigation including work related to ranges that result from the USACE dredging projects.

- \$1.4M (estimated) for Shore Infrastructure Survey and Design: Activities support the shore infrastructure planning process by funding engineering/feasibility studies and analyses, area development plans, National Environmental Policy Act (NEPA)/Environmental studies, real property appraisal actions, and 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

Funding supports Coast Guard shore facility infrastructure, which includes recapitalizations, modifications, upgrades, real property and land acquisitions, 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 funding provides necessary investment to address the Coast Guard's highest priority shore plant requirements.

FY 2018 Key Milestone Events

- Conducted survey and design for future major shore projects.
- Continued planning and Request for Proposal (RFP) development for Station Vallejo facilities, Station Siuslaw River waterfront operations, Base Elizabeth City taxiway aprons and lighting, and ATON recapitalization on the Delaware River.

FY 2019 Planned Key Milestone Events

- Conduct survey and design for Kodiak housing and future major shore projects.
- Continue planning and RFP development for Station Siuslaw River waterfront operations and ATON recapitalization on the Delaware River.
- Execute Wailupe housing, Coast Guard Academy Chase Hall barracks, Station Vallejo facilities, and Base Elizabeth City taxiway aprons and lighting projects.

FY 2020 Planned Key Milestone Events

- Conduct survey and design for future major shore projects.
- Continue planning and RFP development for Kodiak housing, Sector Columbia River concrete aviation apron, Station Tillamook boat haulout pier, and Station Siuslaw River waterfront operations.
- Execute Air Station Ventura utility upgrades and ATON recapitalization on the Delaware River.

Overall Construction Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	\$214,299	\$42,400	\$30,000	\$52,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$214,299	\$42,400	\$30,000	\$52,000
Obligations	\$80,185	\$122		
Expenditures	\$48,250	\$11		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG47-09-D-3EFK20	The Haskell Company	FFP	09/2016	09/2016	09/2019	No	\$16,865
70Z04718CJNPETHG00	Atherton Construction LLC	FFP	09/2018	09/2018	09/2020	No	\$11,589
HSCG5017CPAH002	Integrity Structures, LLC	FFP	02/2017	02/2017	01/2020	No	\$8,755
70Z04718DWHITUR00	The Whiting - Turner Contracting Co	FFP	04/2018	04/2018	08/2019	No	\$7,774
70Z08318CPAC12700	Atlantic Subsea, Inc.	FFP	08/2018	08/2018	07/2019	No	\$2,700

Significant Changes to Construction since Prior Year Enacted

No significant changes.

Construction Schedule

Description	Design Work		Project Work		Estimated Cost ¹ (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Station Vallejo Facilities – Vallejo, CA	FY 2018 Q1	FY 2019 Q2	FY 2019 Q3	FY 2021 Q4	\$5,200
Runway Lighting – Elizabeth City, NC	FY 2018 Q1	FY 2019 Q2	FY 2019 Q3	FY 2021 Q4	\$4,000
Kodiak Housing – Kodiak, AK	FY 2018 Q1	FY 2019 Q4	FY 2019 Q3	FY 2021 Q4	\$32,400
Aids to Navigation Projects	FY 2018 Q1	FY 2019 Q2	FY 2019 Q3	FY 2021 Q4	\$300
Survey and Design	FY 2018 Q1	FY 2021 Q4			\$500
	FY 2019				
Coast Guard Academy Barracks – New London, CT	FY 2019 Q1	FY 2020 Q2	FY 2019 Q3	FY 2022 Q4	\$25,000
Family Housing – Wailupe, HI	FY 2019 Q1	FY 2020 Q2	FY 2019 Q3	FY 2022 Q4	\$2,000
Survey and Design	FY 2019 Q1	FY 2022 Q4			\$3,000
	FY 2020				
Utility Upgrades – Air Station Ventura, CA	FY 2020 Q1	FY 2020 Q2	FY 2020 Q3	FY 2022 Q4	\$5,000
Boat Haulout – Station Tillamook Bay, OR	FY 2020 Q1	FY 2021 Q2	FY 2021 Q3	FY 2023 Q4	\$23,000
Covered Boat Moorings and Erosion Control – Station Siuslaw River, OR	FY 2020 Q1	FY 2021 Q2	FY 2021 Q3	FY 2023 Q4	\$15,000
Concrete Aviation Apron – Sector Columbia River, OR	FY 2020 Q1	FY 2021 Q2	FY 2021 Q3	FY 2023 Q4	\$7,500
Aids to Navigation Projects	FY 2020 Q1	FY 2021 Q2	FY 2019 Q3	FY 2021 Q4	\$100
Survey and Design	FY 2020 Q1	FY 2023 Q4			\$1,400

¹ 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

Procurement, Construction, and Improvements Funding

Investment (Dollars in Thousands)	Unique Item Identifier	Acquisition Level	Procurement/ Construction	IT/Non-IT	MAOL	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Major Acquisition Systems Infrastructure	N/A	Non-Major	Construction	Non-IT	No	\$87,100	\$100,000	\$116,600

Construction Description

This program supports shore facility infrastructure modifications, upgrades, new construction, and real property and land acquisition associated with homeporting new or modified cutters, boats, and aircraft. Funding in FY 2020 will complete the following facility upgrades and infrastructure improvements:

- \$25.0M (estimated) to complete improvements to support the OPC and FRC homeport at Kodiak, AK: The homeport will accommodate two OPCs and maintenance on up to three FRCs. The funding will complete the homeport buildout in Kodiak, which was supported by funding in FY 2017, FY 2018, and requested in FY 2019. Funding will provide shore-side facilities and a cutter maintenance building. Kodiak is essential to the overall operational force lay-down and needs to be modified in order to accommodate the OPCs and FRCs. FY 2020 funding provides facilities to meet asset delivery schedules and threshold requirements of the OPC and FRC including operational needs, crewing status, and maintenance schedules.
- \$47.0M (estimated) for waterfront, shore-side facility, utilities, and associated base infrastructure improvements to support the FRC homeport at Boston, MA: The homeport will accommodate threshold requirements for six FRCs. The funding will support the design and construction of homeport facility additions, improvements, and renovations; 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; and shore-side facilities for storage, maintenance, and other in-port activities associated with the arrival of the new FRCs.
- \$20.6M (estimated) for waterfront, shore-side facility, utilities, and associated base infrastructure improvements to support the FRC homeport at Sitka, AK: The funding will support the design and construction of homeport facilities and waterfront structures including maintenance facilities, piers, and floating docks; improvements such as electrical and shore-tie upgrades; and dredging to accommodate deeper drafts where necessary.

FY 2020 funding provides facilities to meet hybrid maintenance model threshold requirements for one FRC including shore-tie requirements, operational needs, crewing, and maintenance schedules.

- \$22.5M for waterfront, shore-side facility, utilities, and associated base infrastructure improvements to support the FRC Recurring Depot Availability Program (RDAP) at the Coast Guard Yard in Baltimore, MD: This funding will support design and construction of waterfront and shore-side infrastructure to enable the CG Yard to perform depot maintenance on FRCs. The infrastructure will consist of piers and waterfront improvements to support travel lift operations and construction of a facility capable of supporting industrial maintenance activities. The CG Yard has built, repaired, and renovated cutters and boats since 1899, and is the Coast Guard's only major maintenance facility for surface assets. This funding will enable the Coast Guard to initiate an organic depot level maintenance program, reducing dependence on contracted maintenance.
- \$1.5M (estimated) to provide program support and engineering, environmental, real property, and feasibility studies for future-year facilities projects covered under this acquisition program: FY 2020 funding is necessary to establish a five-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, new construction, and real property and land acquisition 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.

FY 2018 Key Milestone Events

- Conducted survey and design for future MASI projects.
- Continued planning and RFP development for FRC Homeports Astoria, OR and Apra Harbor, Guam; FRC Berths in Kodiak, AK and Ketchikan, AK; and the C-27 Simulator Building in Mobile, AL.

FY 2019 Planned Key Milestone Events

- Conduct survey and design for future MASI projects.
- Continue planning and RFP development for OPC Homeports Kodiak, AK and San Pedro, CA; NSC Homeport Charleston, SC; and LRS Facility Barbers Point, HI.
- Execute design and construction for FRC Homeports Astoria, OR and Apra Harbor, Guam; FRC Berths in Kodiak, AK and Ketchikan, AK; and the C-27 Simulator Building in Mobile, AL.

FY 2020 Planned Key Milestone Events

- Conduct survey and design for future MASI projects.
- Continue planning and RFP development for OPC Homeport Kodiak, AK; FRC Homeport Boston, MA; FRC Homeport Sitka, AK; and CG Yard RDAP for FRC.

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

- Execute design and construction for OPC Homeports Kodiak, AK and San Pedro, CA; NSC Homeport Charleston, SC; and LRS Facility Barbers Point, HI.
- Continue design and construction for FRC Homeports Astoria, OR and Apra Harbor, Guam; FRC Berths in Kodiak, AK and Ketchikan, AK; and the C-27 Simulator Building in Mobile, AL.

Overall Construction Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support¹	-	-	-	-
Procurement, Construction, and Improvements	\$557,422	\$87,100	\$100,000	\$116,600
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$557,422	\$87,100	\$100,000	\$116,600
Obligations	\$513,441	\$645		
Expenditures	\$483,725	\$27		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG5016JPHN001	The Haskell Company	FFP	08/2016	08/2016	10/2019	No	\$19,256
HSCG4717JA20013	The Haskell Company	FFP	03/2017	03/2017	02/2019	No	\$12,332
70Z04718CFRCGAL00	The Whiting Turner Company	FFP	04/2018	04/2018	08/2019	No	\$9,999
HSCG5017JPKD002	CCI Group	FFP	09/2017	09/2017	02/2019	No	\$6,677

All 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 ¹ (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
FRC Homeport – Astoria, OR	FY 2018 Q1	FY 2019 Q4	FY 2019 Q3	FY 2022 Q4	\$30,000
FRC Homeport – Apra Harbor (Santa Rita), Guam	FY 2018 Q1	FY 2019 Q4	FY 2019 Q2	FY 2022 Q4	\$28,000
FRC Berths – Kodiak, AK	FY 2018 Q1	FY 2019 Q4	FY 2019 Q3	FY 2022 Q4	\$11,970
ATC Mobile C-27J Flight Simulator Bldg.	FY 2018 Q1	FY 2020 Q2	FY 2019 Q4	FY 2022 Q4	\$8,000
FRC Berths – Ketchikan, AK	FY 2018 Q1	FY 2019 Q4	FY 2019 Q3	FY 2022 Q4	\$7,130
Engineering/Environmental Studies	FY 2018 Q1	FY 2021 Q4			\$2,000
	FY 2019				
OPC Homeport – Kodiak, AK	FY 2019 Q1	FY 2020 Q2	FY 2020 Q1	FY 2023 Q4	\$38,000
OPC Homeport – San Pedro, CA	FY 2019 Q1	FY 2019 Q4	FY 2019 Q4	FY 2023 Q4	\$30,000
NSC Homeport – Charleston, SC	FY 2019 Q1	FY 2019 Q4	FY 2019 Q4	FY 2023 Q4	\$23,000
LRS Air Station Facility Upgrade – Barbers Point, HI	FY 2019 Q1	FY 2019 Q4	FY 2019 Q4	FY 2023 Q4	\$7,000
Engineering/Environmental Studies	FY 2019 Q1	FY 2022 Q4			\$2,000
	FY 2020				
FRC Homeport – Boston, MA	FY 2020 Q1	FY 2021 Q2	FY 2020 Q3	FY 2024 Q4	\$47,000
OPC Homeport – Kodiak, AK	FY 2020 Q1	FY 2021 Q2	FY 2020 Q3	FY 2024 Q4	\$25,000
FRC Homeport – Sitka, AK	FY 2020 Q1	FY 2021 Q2	FY 2020 Q3	FY 2024 Q4	\$20,600
CG Yard RDAP for FRC – Baltimore, MD	FY 2020 Q1	FY 2021 Q2	FY 2020 Q3	FY 2024 Q4	\$22,500
Engineering/Environmental Studies	FY 2020 Q1	FY 2023 Q4			\$1,500

¹ 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget
Minor Shore	N/A	Non-Major	Construction	Non-IT	No	\$5,000	\$5,000	\$5,000

Construction Description

FY 2020 funds will be used to complete minor projects that have cost estimates which exceed two million dollars. For example, this may include:

- Emergency repairs with cost estimates over \$2.0M dollars and greater than 75 percent of replacement value, thus extending the service life of the asset; and
- Minor facility improvements, which cost more than \$2.0M, that are needed to adapt to changing/increasing missions.

Justification

The FY 2020 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.

FY 2018 Key Milestone Events

- Continued to address highest priority emergent project needs.
- Awarded Base Portsmouth Electrical Feeder Replacement.

FY 2019 Planned Key Milestone Events

- Continue to address highest priority emergent project needs.
- Complete Base Portsmouth Electrical Feeder Replacement and Base Elizabeth City Oily Water Separator Replacement.

FY 2020 Planned Key Milestone Events

- Continue to address highest priority emergent project needs.

Overall Construction Funding

<i>(Dollars in Thousands)</i>	Prior Years	FY 2018	FY 2019	FY 2020
Operations and Support ¹	-	-	-	-
Procurement, Construction, and Improvements	\$56,896	\$5,000	\$5,000	\$5,000
Research and Development	-	-	-	-
Legacy Appropriations	-			
Total Project Funding	\$56,896	\$5,000	\$5,000	\$5,000
Obligations	\$54,139	-		
Expenditures	\$52,851	-		

1 – USCG is not currently able to break out sustainment funding for this investment

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 (Dollars in Thousands)
HSCG47-09-D-3EFK20	The Haskell Company	FFP	09/2016	09/2016	01/2019	No	\$1,573
HSCGG113X370001	U.S. Army Garrison	MIPR	07/2013	07/2013	03/2019	No	\$1,500
HSCG83-10-D-PCR103	Edgewater Construction	FFP	08/2017	08/2017	05/2019	No	\$1,467
70Z08318CPAC02900	Mallory Electric Company	FFP	04/2018	04/2018	11/2019	No	\$1,387

Significant Changes to Construction since Prior Year Enacted

No significant changes.

U.S. Coast Guard
Construction Schedule

Procurement, Construction, and Improvements

Description	Design Work		Project Work		Estimated Cost (Dollars in Thousands)
	Initiated	Completed	Initiated	Completed	
	FY 2018				
Minor AC&I Shore Construction	FY 2018 Q1	FY 2018 Q4	FY 2019 Q1	FY 2020 Q4	\$5,000
	FY 2019				
Minor AC&I Shore Construction	FY 2019 Q1	FY 2019 Q4	FY 2020 Q1	FY 2021 Q4	\$5,000
	FY 2020				
Minor AC&I Shore Construction	FY 2020 Q1	FY 2020 Q4	FY 2021 Q1	FY 2022 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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Personnel and Related Support Costs	914	835	\$121,745	-	-	-	-	-	-	-	-	-
Total	914	835	\$121,745	-	-	-	-	-	-	-	-	-
Subtotal Discretionary - Appropriation	914	835	\$121,745	-	-	-	-	-	-	-	-	-

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.

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 and beyond.

Personnel and Related Support Costs – PPA
Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$121,745	-	-
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	\$3,500	-	-
Supplementals	-	-	-
Total Budget Authority	\$125,245	-	-
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$125,245	-	-
Obligations (Actual/Estimates/Projections)	\$125,245	-	-
Personnel: Positions and FTE			
Enacted/Request Positions	914	-	-
Enacted/Request FTE	835	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	914	-	-
FTE (Actual/Estimates/Projections)	823	-	-

Personnel and Related Support Costs – PPA
Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	914	835	\$121,745
FY 2019 President's Budget	-	-	-
FY 2020 Base Budget	-	-	-
FY 2020 Request	-	-	-
FY 2019 To FY 2020 Change	-	-	-

Personnel and Related Support Costs - PPA

Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Personnel and Related Support Costs	914	835	\$111,574	\$133.18	-	-	-	-	-	-	-	-	-	-	-	-
Total	914	835	\$111,574	\$133.18	-	-	-	-	-	-	-	-	-	-	-	-
Discretionary - Appropriation	914	835	\$111,574	\$133.18	-	-	-	-	-	-	-	-	-	-	-	-

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$49,730	-	-	-
11.3 Other than Full-Time Permanent	\$272	-	-	-
11.5 Other Personnel Compensation	\$1,100	-	-	-
11.6 Military Personnel-Basic Allowance for Housing	\$11,467	-	-	-
11.7 Military Personnel	\$30,440	-	-	-
11.8 Special Personal Services Payments	\$198	-	-	-
12.1 Civilian Personnel Benefits	\$14,857	-	-	-
12.2 Military Personnel Benefits	\$3,340	-	-	-
13.0 Benefits for Former Personnel	\$170	-	-	-
Total - Personnel Compensation and Benefits	\$111,574	-	-	-
Positions and FTE				
Positions - Civilian	490	-	-	-
FTE - Civilian	431	-	-	-
Positions - Military	424	-	-	-
FTE - Military	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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$668	-	-	-
22.0 Transportation of Things	\$666	-	-	-
23.2 Rental Payments to Others	\$121	-	-	-
23.3 Communications, Utilities, and Misc. Charges	\$358	-	-	-
25.2 Other Services from Non-Federal Sources	\$521	-	-	-
25.3 Other Goods and Services from Federal Sources	\$228	-	-	-
25.6 Medical Care	\$2,552	-	-	-
25.7 Operation and Maintenance of Equipment	\$523	-	-	-
26.0 Supplies and Materials	\$3,884	-	-	-
31.0 Equipment	\$311	-	-	-
42.0 Insurance Claims and Indemnities	\$339	-	-	-
Total - Non Pay Object Classes	\$10,171	-	-	-

Department of Homeland Security

U.S. Coast Guard

Research and Development



**Fiscal Year 2020
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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Research and Development	96	83	\$29,141	96	83	\$19,109	-	-	\$4,949	(96)	(83)	(\$14,160)
Total	96	83	\$29,141	96	83	\$19,109	-	-	\$4,949	(96)	(83)	(\$14,160)
Subtotal Discretionary - Appropriation	96	83	\$29,141	96	83	\$19,109	-	-	\$4,949	(96)	(83)	(\$14,160)

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), universities, 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 to further develop techniques, methods, hardware, and systems that directly contribute to increasing productivity and effectiveness of Coast Guard mission execution.

The FY 2020 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).

Research and Development Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$29,141	\$19,109	\$4,949
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$23,117	\$33,059	\$33,059
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$52,258	\$52,168	\$38,008
Collections – Reimbursable Resources	\$2,608	\$3,900	\$4,250
Total Budget Resources	\$54,866	\$56,068	\$42,258
Obligations (Actual/Estimates/Projections)	\$29,141	\$19,109	\$4,949
Personnel: Positions and FTE			
Enacted/Request Positions	96	96	-
Enacted/Request FTE	83	83	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	80	96	-
FTE (Actual/Estimates/Projections)	83	83	-

Research and Development Collections – Reimbursable Resources

Collections <i>(Dollars in Thousands)</i>		FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget		
		Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Independent Agency - Other Independent Agencies	Source	-	-	-	-	-	\$500	-	-	\$750
Department of Homeland Security - Science and Technology	Source	-	-	\$2,108	-	-	\$1,500	-	-	\$1,500
Independent Agency - Environmental Protection Agency	Source	-	-	-	-	-	\$1,200	-	-	\$1,000
Department of Homeland Security - U.S. Customs and Border Protection	Source	-	-	-	-	-	\$500	-	-	\$500
Department of Interior - Bureau of Safety and Environmental Enforcement	Source	-	-	\$500	-	-	\$200	-	-	\$500
Total Collections		-	-	\$2,608	-	-	\$3,900	-	-	\$4,250

Research and Development Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	96	83	\$29,141
FY 2019 President's Budget	96	83	\$19,109
FY 2020 Base Budget	96	83	\$19,109
Transfer- R&D to O&S Personnel & Lease Shift (O&S)	(96)	(83)	(\$14,397)
Total Transfers	(96)	(83)	(\$14,397)
Partial Annualization of FY 2020 Increase to R&D Projects	-	-	\$327
Total, Pricing Increases	-	-	\$327
Total Adjustments-to-Base	(96)	(83)	(\$14,070)
FY 2020 Current Services	-	-	\$5,039
Eliminate Joint Maritime Test Facility Support	-	-	(\$90)
Total, Program Decreases	-	-	(\$90)
FY 2020 Request	-	-	\$4,949
FY 2019 To FY 2020 Change	(96)	(83)	(\$14,160)

Research and Development Justification of Transfers

Transfers <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Transfer 1 - Transfer- R&D to O&S Personnel & Lease Shift (O&S)	(96)	(83)	(\$14,397)
Total Transfers	(96)	(83)	(\$14,397)

Transfer 1 – Transfer R&D Personnel & Lease Shift to O&S: Transfers all funds for Research and Development (R&D) personnel salaries and benefits and all funds for GSA rent for the Research and Development Center (RDC) in Groton, Connecticut to the O&S appropriation to align with the Department’s Common Appropriations Structure.

Research and Development Justification of Pricing Changes

Pricing Changes <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Partial Annualization of FY 2020 Increase to R&D Projects	-	-	\$327
Total Pricing Changes	-	-	\$327

Pricing Change 1 – Partial Annualization of FY 2019 Increase to Research and Development Projects: Partially annualizes the FY 2019 increase for projects for the Research and Development Center.

Research and Development Justification of Program Changes

Program Changes <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Program Change 1 - Eliminate Joint Maritime Test Facility Support	-	-	(\$90)
Total Program Changes	-	-	(\$90)

Program Change 1 - Eliminate Joint Maritime Test Facility Support:

Description

The FY 2020 Budget includes a reduction of \$0.1M for the Joint Maritime Test Facility (JMTF). The base for the program is \$0.1M for the in-situ burning research.

Justification

The JMTF is a joint Navy and Coast Guard facility located on Sand Island in Mobile, Alabama. The facility is primarily a large-scale marine in-situ burn test platform used to conduct research and analysis of alternative methods for removing pollutants through burning. In-situ burning is the process of removing or otherwise mitigating surface pollutants (e.g., oil and other lighter-than-water products) by burning. Beginning in FY 2018, the Naval Research Laboratory stopped providing resources or other support to operate the JMTF. Previously, the Navy provided more than two-thirds of the total cost to operate the facility. The Coast Guard is unable to provide the full amount necessary to operate and maintain the facility.

Performance

The Coast Guard will continue to use alternative means of exploring and testing marine pollutant removal capabilities with existing resources, including the Coast Guard Research and Development Center, to ensure no degradation in performance.

Research and Development Personnel Compensation and Benefits

Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Research and Development	96	83	\$12,136	\$146.04	96	83	\$12,287	\$147.96	-	-	-	-	(96)	(83)	(\$12,287)	(\$147.96)
Total	96	83	\$12,136	\$146.04	96	83	\$12,287	\$147.96	-	-	-	-	(96)	(83)	(\$12,287)	(\$147.96)
Discretionary - Appropriation	96	83	\$12,136	\$146.04	96	83	\$12,287	\$147.96	-	-	-	-	(96)	(83)	(\$12,287)	(\$147.96)

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$7,655	\$7,607	-	(\$7,607)
11.3 Other than Full-Time Permanent	\$156	\$192	-	(\$192)
11.5 Other Personnel Compensation	\$97	\$144	-	(\$144)
11.6 Military Personnel-Basic Allowance for Housing	\$417	\$449	-	(\$449)
11.7 Military Personnel	\$1,303	\$1,359	-	(\$1,359)
11.8 Special Personal Services Payments	\$8	\$4	-	(\$4)
12.1 Civilian Personnel Benefits	\$2,364	\$2,417	-	(\$2,417)
12.2 Military Personnel Benefits	\$129	\$113	-	(\$113)
13.0 Benefits for Former Personnel	\$7	\$2	-	(\$2)
Total - Personnel Compensation and Benefits	\$12,136	\$12,287	-	(\$12,287)
Positions and FTE				
Positions - Civilian	79	79	-	(79)
FTE - Civilian	68	68	-	(68)
Positions - Military	17	17	-	(17)
FTE - Military	15	15	-	(15)

Pay Cost Drivers

Leading Cost-Drivers (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Total	68	\$10,272	\$151.06	68	\$10,360	\$152.35	-	-	-	(68)	(\$10,360)	(\$152.35)
Military Total	15	\$1,864	\$124.27	15	\$1,927	\$128.47	-	-	-	(15)	(\$1,927)	(\$128.47)
Total - Pay Cost Drivers	83	\$12,136	\$146.22	83	\$12,287	\$148.04	-	-	-	(83)	(\$12,287)	(\$148.04)

Explanation of Pay Cost Drivers

Civilian Total: These amounts were transferred to O&S as part of the FY 2020 CAS transition.

Military Total: These amounts were transferred to O&S as part of the FY 2020 CAS transition.

Research and Development Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 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	7	-	-	-
Total Perm. Employment (Filled Positions) EOY	72	79	-	-79
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	141,257	144,119	-	-144,119
Average Grade, GS Positions	13	13	-	-13

Research and Development Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Research and Development	\$17,005	\$6,822	\$4,949	(\$1,873)
Total	\$17,005	\$6,822	\$4,949	(\$1,873)
Discretionary - Appropriation	\$17,005	\$6,822	\$4,949	(\$1,873)

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$1,364	\$478	\$453	(\$25)
22.0 Transportation of Things	\$146	\$51	\$36	(\$15)
23.1 Rental Payments to GSA	\$1,296	\$1,306	-	(\$1,306)
23.2 Rental Payments to Others	\$120	\$42	-	(\$42)
23.3 Communications, Utilities, and Misc. Charges	\$1,198	\$420	\$420	-
25.1 Advisory and Assistance Services	\$3,676	\$1,289	\$1,137	(\$152)
25.2 Other Services from Non-Federal Sources	\$1,101	\$386	\$362	(\$24)
25.3 Other Goods and Services from Federal Sources	\$35	\$12	\$12	-
25.5 Research and Development Contracts	\$2,715	\$952	\$1,255	\$303
25.6 Medical Care	\$1,174	\$412	-	(\$412)
25.7 Operation and Maintenance of Equipment	\$207	\$72	-	(\$72)
26.0 Supplies and Materials	\$2,630	\$922	\$922	-
31.0 Equipment	\$1,329	\$466	\$338	(\$128)
42.0 Insurance Claims and Indemnities	\$14	\$14	\$14	-
Total - Non Pay Object Classes	\$17,005	\$6,822	\$4,949	(\$1,873)

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Rental Payments to GSA	\$1,296	\$1,306	-	(\$1,306)
Research, Development, Test, and Evaluation Activities	\$15,709	\$5,516	\$4,949	(\$567)
Total Non Pay Cost Drivers	\$17,005	\$6,822	\$4,949	(\$1,873)

Explanation of Non Pay Cost Drivers

Rental Payments to GSA: All GSA Rental Payments were transferred to the Operations & Support (O&S) appropriation in the FY 2020 President's Budget to align with DHS CAS.

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.

Research and Development

Technology Readiness Level Exhibit

Unmanned Systems

Project Description

Unmanned Systems projects evaluate and assess benefits and limitations of operating unmanned systems (air, surface, and subsurface) to enhance Coast Guard mission effectiveness.

- **Problem:** The Coast Guard needs to better understand the risks, benefits, and limitations of operating unmanned systems (air, surface, and subsurface) to meet operational needs, including sensor development for maritime first responders; defeat of illicit unmanned aircraft system use in a maritime environment; and economical, effective, persistent maritime domain awareness.
- **Solution:** 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 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.
- **Impact:** Improve operational performance, efficiency, mission execution, and resiliency.

Sub-Projects

- *Assessment of Unmanned Maritime Systems for Coast Guard Missions:* Take a holistic approach to evaluate unmanned maritime systems to improve mission effectiveness.
- *Robotic Aircraft for Maritime Public Safety (RAMPS):* Evaluate commercial off the shelf small unmanned aircraft systems (sUAS) in a maritime environment.
- *Advanced Small Unmanned Aircraft System (sUAS) Sensor Investigations:* Evaluate, obtain and test state of the market sUAS sensor capabilities to determine whether they significantly increase target detection capability.
- *Low-Cost MDA Pilot:* Conduct a pilot study and assessment to determine the efficacy of using low-cost commercially available technology solutions, in combination with or on existing fleet platforms, to enhance maritime domain awareness.
- *Maritime Counter-UAS (cUAS):* Design, build, integrate and test a maritime cUAS prototype at an operational unit.
- *Counter Unmanned Underwater Vehicle (cUUV) / Anti-Swimmer Technology:* Summarize currently available anti-swimmer technologies and conduct limited user evaluation that analyzes and ranks down-selected technologies.

FY 2018 Key Milestone Events

- Evaluated sUAS payloads in different environmental areas focusing on logistics, maintenance, and data dissemination.
- Developed first Coast Guard roadmap for UMV development for Coast Guard applications.

FY 2019 Planned Key Milestone Events

- Conduct additional test and evaluation of cUAS detection and defeat prototypes.
- Assess Government and Commercial Anti-Swimmer/cUUV Technologies.

FY 2020 Planned Key Milestone Events

- Create final Test & Evaluation report on cUAS prototypes.
- Conduct a pilot study and assessment to determine the efficacy of using low-cost commercially available technology solutions, in combination with or on existing fleet platforms, to enhance maritime domain awareness.

Overall Project Funding

<i>(Dollars in Thousands)</i>	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Project Funding	\$5,303	\$22,548	\$7,020	\$3,807	\$1,213
Obligations	\$5,303	\$4,698	\$4,020		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2018		
Assessment of Unmanned Maritime Vehicles for CG Missions	FY 2014 Q1	FY 2018 Q4
Maritime Counter Unmanned Aircraft Systems	FY 2017 Q1	FY 2021 Q1
Low-Cost MDA Pilot	FY 2018 Q3	FY 2021 Q1
FY 2019		
Maritime Counter Unmanned Aircraft Systems	FY 2017 Q1	FY 2021 Q1
Low-Cost MDA Pilot	FY 2018 Q3	FY 2021 Q1
Counter Unmanned Underwater Vehicle (cUUV)/Anti-swimmer Technology	FY 2019 Q1	FY 2021 Q1
FY 2020		
Maritime Counter Unmanned Systems	FY 2017 Q1	FY 2021 Q1
Low-Cost MDA Pilot	FY 2018 Q3	FY 2021 Q1
Counter Unmanned Underwater Vehicle (cUUV)/Anti-swimmer Technology	FY 2019 Q1	FY 2021 Q1

Type of Research

Applied

Technology Readiness Level

The program will attain Technology Readiness Level 5 in FY 2020. Various subprojects started from TRL 2 in FY 2014.

Transition Plans

- Research will provide prototype demonstrations and knowledge products for Coast Guard decision makers including: recommended tactics, techniques, and procedures; policy, standards, or regulations; cost or risk avoidance; and pre-acquisition / future technology transfer considerations.

Project Description

Assessments of several facets of operations in the Arctic Region including communications, spill response, vessel capability, and iceberg detection.

- **Problem:** With anticipated increases in maritime traffic through the Arctic Region, the Coast Guard has a variety of emerging mission needs: assessment of communications capabilities with potential to improve mission performance; reliable navigational safety information to identify, assess, and mitigate navigational risks; technology to respond to maritime spills in ice-covered waters; and expanded assessment of Arctic operational capabilities.
- **Solution:** Evaluate and test maritime communication solutions for use in the Arctic, continue development and testing of the next generation Arctic Navigation Safety Information System (ANSIS) with private and public partnerships, continue to develop spill response technology/concepts for ice environments, and develop safe environmental parameters for Coast Guard personnel operating on ice. Research existing commercial vessels potentially capable of supporting some Coast Guard mission requirements in the Polar Regions. Explore advanced iceberg detection, analytics, and information dissemination methods.
- **Impact:** Improved communication, navigational safety, and personnel safety in the Arctic environment.

Sub-Projects

- *Response to Oil in Ice:* Develop equipment and techniques that can be used successfully to detect, track, and recover oil in ice filled waters in all conditions.
- *Arctic Operations Technology Assessment:* Provide support for expanded operational and resource capabilities assessments in the Arctic.
- *Next Generation Arctic Navigational Safety Information System:* Develop reliable critical navigational safety information to identify, assess, and mitigate navigational risks in the Arctic Region.
- *Ice Condition (ICECON) Risk Assessment Tool(s):* Develop method to forecast and promulgate ice conditions.
- *Safety Parameters for Ice Operations (SPICE Ops):* Develop technical data for personnel and equipment performance in extreme cold weather during ice operations.
- *Research Potential Existing Vessels Capable of Supporting Some Coast Guard Operations in the Polar Regions:* Conduct market analysis of potential vessels to support existing polar icebreaking capabilities.
- *Iceberg Detection and Information Dissemination Methods:* Improve quality of iceberg detection and information using satellite images to improve customer information dissemination.

FY 2018 Key Milestone Events

- Conducted testing of electronic equipment for safe environmental operating parameters for ice rescue teams responding to emergencies on foot and in various means of transport.
- Conducted long range Digital Radio Mondiale (DRM30 HF) Arctic Navigation Safety Information System (ANSIS) tech demo and completed final report.

FY 2019 Planned Key Milestone Events

- Assess/demonstrate Arctic operations technologies.
- Continue communications testing to support Arctic air, surface, and shore communications.

FY 2020 Planned Key Milestone Events

- Assess/demonstrate Arctic operations technologies.
- Continue communications testing to support Arctic air, surface, and shore communications.

Overall Project Funding

<i>(Dollars in Thousands)</i>	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Project Funding	\$2,738	\$2,038	\$6,449	\$2,114	\$245
Obligations	\$2,738	\$2,038	\$1,449		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2018		
Arctic Operations Support	FY 2014 Q1	FY 2021 Q1
Next Generation Arctic Navigational Safety Information System	FY 2014 Q1	FY 2018 Q4
Ice Condition (ICECON) Risk Assessment Tool(s)	FY 2017 Q1	FY 2019 Q4
Safety Parameters for ICE Operations (SPICE Ops)	FY 2018 Q1	FY 2019 Q3
Research Existing Vessels Capable of Icebreaking	FY 2018 Q3	FY 2019 Q4
FY 2019		
Arctic Operations Technology Assessment	FY 2014 Q1	FY 2021 Q1
Robust Maritime Arctic Communications	FY 2018 Q1	FY 2020 Q4
Ice Condition (ICECON) Risk Assessment Tool(s)	FY 2017 Q1	FY 2019 Q4
Safety Parameters for ICE Operations (SPICE Ops)	FY 2018 Q1	FY 2019 Q3
Research Existing Vessels Capable of Icebreaking	FY 2018 Q3	FY 2019 Q4
FY 2020		
Arctic Operations Technology Assessment	FY 2014 Q1	FY 2021 Q1
Robust Maritime Arctic Communications	FY 2018 Q1	FY 2020 Q4

Type of Research

Applied

Technology Readiness Level

The program will attain Technology Readiness Level 5 in FY 2020. Various subprojects began at Technology Readiness Level 2 in FY 2014.

Transition Plans

- Research will provide prototype demonstrations and knowledge products for Coast Guard decision makers including: recommended tactics, techniques, and procedures; policy, standards, or regulations; cost or risk avoidance; and pre-acquisition/future technology transfer considerations.

Sensor Optimization, Automation, and Visualization**Project Description**

Evaluations of various sensor technologies to support mission effectiveness.

- **Problem:** The Coast Guard needs to evaluate various sensor technologies, including chemical, biological, nuclear, radar, electro-optical, and infrared sensor systems, for effectiveness and impact on search planning, detection, and mission operations.
- **Solution:** 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) and enhanced person in the water detection. Evaluate CubeSat and FirstNet technologies for use to support Coast Guard missions.
- **Impact:** Improved sensors enhancing mission effectiveness for Ports, Waterways, and Coastal Security; Search and Rescue; and other Coast Guard missions.

Sub-Projects

- *Tracking (Direction Finding) for Search and Rescue:* Using cell phone technology to support the precise geo-location of distressed mariners in mayday and search and rescue scenarios.
- *Evaluation of Potential Coast Guard use of CubeSat:* Investigation and assessment of the operational utility of CubeSat technology for Coast Guard missions.
- *Intelligence, Surveillance and Reconnaissance (ISR) Enterprise Data Network Study and Analysis:* Enable intelligence-driven operations and collaboration for continued decision advantage in support of all Coast Guard missions.
- *Alternatives to Pyrotechnic Distress Signals:* Determine suitability of potential alternatives to pyrotechnic visual distress signals.
- *Integration of GIS Capability into Coast Guard Tactical Operations:* Use commercial off the shelf GIS software to improve provision of actionable information for tactical decision making.
- *Night Time Search Effectiveness Evaluation:* Improve efficiency and effectiveness of night time searches by analyzing alternative search methods.
- *Asset Lay-Down and Tasking System:* Demonstrate and evaluate comprehensive asset tracking and tasking for Coast Guard, other government agencies, and volunteers in steady-state and emergency response situations.

FY 2018 Key Milestone Events

- Built and deployed ground station for the mobile CubeSat command and control ground network; tested and documented the performance of the CubeSat ground stations.
- Investigated and developed safety of life at sea acceptable electronic visual distress signal characteristic and conducted field testing.

FY 2019 Planned Key Milestone Events

- Participate through cooperative research partners in CubeSat technology development; test and document CubeSat performance during in-orbit test and evaluation.
- Conduct final demonstration of cell phone location use for search and rescue.

FY 2020 Planned Key Milestone Events

- Develop CubeSat technology roadmap.
- Develop concept of operations and final report for ISR enterprise data networks.

Overall Project Funding

<i>(Dollars in Thousands)</i>	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Project Funding	\$4,066	\$2,440	\$6,183	\$2,971	\$1,282
Obligations	\$4,066	\$2,440	\$3,683		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2018		
Evaluation of Potential CG Use of CubeSats	FY 2016 Q3	FY 2020 Q4
Tracking (Direction Finding) For Search And Rescue	FY 2017 Q1	FY 2019 Q4
Intelligence, Surveillance and Reconnaissance (ISR) Enterprise Data Network Study and Analysis	FY 2017 Q3	FY 2020 Q3
Alternatives to Pyrotechnic Distress Signals	FY 2011 Q1	FY 2018 Q3
Integration of Geographic Information System (GIS) Capability into Coast Guard Tactical Operations	FY 2018 Q1	FY 2019 Q4
Night Time Search Effectiveness Evaluation	FY 2018 Q1	FY 2020 Q4
Enhanced Person in the Water Detection	FY 2018 Q1	FY 2020 Q2
CG Nearshore Use of FirstNet	FY 2018 Q2	FY 2020 Q1
FY 2019		
Evaluation of Potential CG Use of CubeSats	FY 2016 Q3	FY 2020 Q4
Tracking (Direction Finding) For Search And Rescue	FY 2017 Q1	FY 2019 Q4
Intelligence, Surveillance and Reconnaissance (ISR) Enterprise Data Network Study and Analysis	FY 2017 Q3	FY 2020 Q3
Performance of Daytime Distress Signals	FY 2018 Q2	FY 2019 Q4
Integration of Geographic Information System (GIS) Capability into Coast Guard Tactical Operations	FY 2018 Q1	FY 2019 Q4
Night Time Search Effectiveness Evaluation	FY 2018 Q1	FY 2020 Q4
Enhanced Person in the Water Detection	FY 2018 Q1	FY 2020 Q2
CG Nearshore Use of FirstNet	FY 2018 Q2	FY 2020 Q1
Asset Lay-Down and Tasking System	FY 2019 Q1	FY 2020 Q4
FY 2020		
Evaluation of Potential CG Use of CubeSats	FY 2016 Q3	FY 2020 Q4
Intelligence, Surveillance and Reconnaissance (ISR) Enterprise Data Network Study and Analysis	FY 2017 Q3	FY 2020 Q3
Integration of Geographic Information System (GIS) Capability into Coast Guard Tactical Operations	FY 2018 Q1	FY 2020 Q4
Night Time Search Effectiveness Evaluation	FY 2018 Q1	FY 2020 Q4
Enhanced Person in the Water Detection	FY 2018 Q1	FY 2020 Q2
CG Nearshore Use of FirstNet	FY 2018 Q2	FY 2020 Q1
Asset Lay-Down and Tasking System	FY 2019 Q1	FY 2020 Q4

Type of Research

Applied

Technology Readiness Level

The program will attain Technology Readiness Level 5 in FY 2020. Various subprojects started from TRL 2 in FY 2011.

Transition Plans

- Research will provide prototype demonstrations and knowledge products for Coast Guard decision makers including: recommended tactics, techniques, and procedures; policy, standards, or regulations; cost or risk avoidance; and pre-acquisition / future technology transfer considerations.

Project Description

Leverage existing technologies to support the Coast Guard in resisting cyber attacks.

- **Problem:** Coast Guard platforms and maritime systems require resistance and resilience to cyber attacks and capability to use new intelligence analysis technologies.
- **Solution:** Work with port partners and leverage DOD and Cybersecurity and Infrastructure Security Agency (CISA) 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. Investigate mobile data solutions to support Coast Guard missions. Examine ways to counter intentional GPS interference.
- **Impact:** Coast Guard platforms with increased resistance and resilience to cyber attacks.

Sub Projects

- *Hoax Location and Prosecution Technology:* Develop technology to identify and locate hoax callers.
- *Cybersecurity Vulnerabilities, Threats, and Risk Mitigation Strategies for Coast Guard Surface and Air Assets:* Conduct cyber security risk research analysis for Coast Guard platforms.
- *DOMEX Testing:* Research the establishment of technology to support DOMEX capabilities that can develop, test, and evaluate new technology utilized by adversaries.
- *Define and Communicate Exclusion Zones:* Develop capability to physically mark and clearly communicate the boundaries of an area of exclusion, including both fixed and moving security zones.
- *Build and Retain a Cyber Workforce:* Research and evaluate the utility of existing tools to test current and potential cyber workforce personnel.
- *Risk Based Cruise Ship Safety Score:* Improve cruise ship risk assessments through a risk assessment score based on a vessel's examination results.
- *USCG/DoD/DISA Mobile Data Solutions:* Leverage DoD mobility solutions to enhance Coast Guard operations and mission support.
- *Countering GPS Interference:* Developing a means to detect, localize, alert, and mitigate sources of GPS interference in the maritime domain.

FY 2018 Key Milestone Events

- Delivered report on Mitigating Cyber Threats Against Marine GNSS Receivers Using Inertial Navigation Systems.
- Performed DOMEX technology capability market research and began development of functional requirements.

FY 2019 Planned Key Milestone Events

- Perform cyber assessments of various vessels and aircraft to develop cybersecurity mitigation strategies.
- Finalize development of DOMEX functional requirements.

FY 2020 Planned Key Milestone Events

- Deliver final report on counter-GPS interference.
- Develop cruise ship assessment prototype in the MISLE database.

Overall Project Funding

<i>(Dollars in Thousands)</i>	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Project Funding	\$3,163	\$839	\$1,316	\$2,163	\$450
Obligations	\$3,163	\$839	\$1,316		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2018		
Cybersecurity Vulnerabilities, Threats, and Risk Mitigation Strategies for Coast Guard Surface and Air Assets	FY 2017 Q1	FY 2020 Q4
Define and Communicate Exclusion Zones	FY 2014 Q2	FY 2019 Q4
Document and Media Exploitation (DOMEX) Testing	FY 2018 Q1	FY 2020 Q1
Countering GPS Interference	FY 2018 Q3	FY 2020 Q1
FY 2019		
Cybersecurity Vulnerabilities, Threats, and Risk Mitigation Strategies for Coast Guard Surface and Air Assets	FY 2017 Q1	FY 2020 Q4
Define and Communicate Exclusion Zones	FY 2014 Q2	FY 2019 Q4
Countering GPS Interference	FY 2018 Q3	FY 2020 Q1
Risk Based Cruise Ship Safety Score	FY 2019 Q1	FY 2020 Q3
USCG/DoD/DISA Mobile Data Solutions	FY 2019 Q1	FY 2019 Q4
Document and Media Exploitation (DOMEX) Testing	FY 2018 Q1	FY 2020 Q1
FY 2020		
Cybersecurity Vulnerabilities, Threats, and Risk Mitigation Strategies for Coast Guard Surface and Air Assets	FY 2017 Q1	FY 2020 Q4
Countering GPS Interference	FY 2018 Q3	FY 2020 Q1
Risk Based Cruise Ship Safety Score	FY 2019 Q1	FY 2020 Q3
Document and Media Exploitation (DOMEX) Testing	FY 2018 Q1	FY 2020 Q1

Type of Research

Applied

Technology Readiness Level

The program will attain Technology Readiness Level 5 in FY 2020. Various subprojects started from TRL 2 in FY 2014;

Transition Plans

- Research will provide prototype demonstrations and knowledge products for Coast Guard decision makers including: recommended tactics, techniques, and procedures; policy, standards, or regulations; cost or risk avoidance; and pre-acquisition / future technology transfer considerations.

Waterways Management and Environmental Response**Project Description**

Identify and develop tools to enhance waterway management and environmental response through research in areas such as mitigation of subsurface oil and electronic aids to navigation.

- **Problem:** The Coast Guard is seeking opportunities to improve operational tools for maritime spill response, including accurate detection and mitigation of subsurface oil to 10,000 feet within the water column. The Coast Guard needs to assess new technology for waterways management, including electronic aids to navigation, alternative mooring systems, and ballast water management.
- **Solution:** 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.
- **Impact:** Improved spill response and enhanced safety on waterways with reduced maintenance costs.

Sub Projects

- *Oil Spill Response Emerging Technology Research:* A process for the evaluation of proposed oil spill response technologies for the Coast Guard's use and determination of their technology maturity and economic feasibility.
- *Near Shore and Inland Evaluation of the Estimated Recovery System Potential (ERSP) Calculator:* Develop an ERSP calculator to include response systems for the entire nearshore and inland operation environment.
- *Electronic Aids to Navigation (e-AtoN) Technology Demonstration:* Research into potential use of electronic aids to navigation.
- *Improved In-Situ Burn (ISB) for Offshore Use:* Develop better decision-making and operational tools for using ISB as a response option.
- *Develop an Alternative Buoy Mooring System:* Develop a buoy mooring system for environmentally sensitive areas that would avoid directly damaging nearby delicate plants and animals in the benthic zone.
- *Navigational Safety Risk Modeling and Analysis Tool:* Develop the capability to fully characterize the impact of rerouting traffic, funneling traffic, and placement of offshore structures in terms of risk.

FY 2018 Key Milestone Events

- Deployed prototype skimmer in both inland and near shore environments to test bottom mitigation techniques.
- Deployed prototype buoy mooring system and initiated long term monitoring.

FY 2019 Planned Key Milestone Events

- Create of an offshore energy risk assessment tool to assess proposed wind energy areas to further refine appropriate distances between shipping and structures.
- Deliver Mitigation of Oil Moving Along the Bottom final report.

FY 2020 Planned Key Milestone Events

- Develop Inland ESRP operational environment calculator.
- Complete prototype buoy mooring system technology demonstrations, including destructive testing.

Overall Project Funding

<i>(Dollars in Thousands)</i>	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Project Funding	\$4,453	\$3,765	\$3,999	\$3,221	\$1,257
Obligations	\$4,453	\$3,765	\$3,999		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2018		
Nearshore and Inland Evaluation of the Estimated Recovery System Potential (ERSP) Calculator	FY 2017 Q1	FY 2021 Q4
Develop an Environmentally Friendly Buoy Mooring System	FY 2015 Q1	FY 2020 Q4
Navigational Safety Risk Modeling and Analysis Tool	FY 2017 Q1	FY 2019 Q4
Improved In-Situ Burning (ISB) for Offshore Use	FY 2014 Q2	FY 2018 Q4
FY 2019		
Nearshore and Inland Evaluation of the Estimated Recovery System Potential (ERSP) Calculator	FY 2017 Q1	FY 2021 Q4
Develop an Environmentally Friendly Buoy Mooring System	FY 2015 Q1	FY 2020 Q4
Navigational Safety Risk Modeling and Analysis Tool	FY 2017 Q1	FY 2019 Q4
In-Situ Burning (ISB) Research	FY 2019 Q1	FY 2019 Q4
FY 2020		
Nearshore and Inland Evaluation of the Estimated Recovery System Potential (ERSP) Calculator	FY 2017 Q1	FY 2021 Q4
Develop an Environmentally Friendly Buoy Mooring System	FY 2015 Q1	FY 2020 Q4

Type of Research

Applied

Technology Readiness Level

The program will attain Technology Readiness Level 5 in FY 2020. Various subprojects started from TRL 2 in FY 2014.

Transition Plans

- Research will provide fielded prototypes and provide knowledge products for Coast Guard decision makers including: influencing tactics, techniques, and procedures; standard or regulations; cost or risk avoidance, or pre acquisition/future technology transfer.

Operational Performance Improvements and Modeling

Project Description

Enhance the Coast Guard's modeling and simulation capabilities for better fleet mix analyses, tactical force packages, sensor performance, etc.

- **Problem:** The Coast Guard requires analytic competencies for fleet mix, tactical force packages, sensor performance, and data repository as well as data visualization. Improvements in these areas intend to increase the efficiency and effectiveness of interdiction mission patrols. Field operations may be enhanced using mobile technology to capture and access operational data, and near real-time search and rescue patterns for forward assets aim to support more effective mission execution.
- **Solution:** Develop enhancements to modeling capability for Coast Guard-wide asset allocation, force structure decision support, and navigational safety. 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 (AI) for application in Coast Guard mission planning and disaster response. Research augmented reality capabilities to improve Coast Guard mission support.
- **Impact:** Increased operational effectiveness, reduced maintenance costs, and enhanced modeling capability.

Sub Projects

- *Diesel Outboard Development:* Research current developmental stage of diesel outboards applicable to Coast Guard use.
- *Mobile Technology for Operational Efficiency:* Enhance field operations by using mobile technology to capture and access operational data.
- *Mass Migration Modeling and Analysis:* Improved planning for mass migration events.
- *Exploring ML for Application in Coast Guard Mission Planning and Disaster Response:* Research using ML to improve the Coast Guard's emergency preparedness and increase response effectiveness in active disasters.
- *Augmented Reality Capabilities to Improve Coast Guard Mission Support:* Research using augmented reality to improve the efficiency and effectiveness of air, surface, and shore maintenance procedures.
- *Use of Modern Data Analytics to Improve Risk-Based Allocation of Prevention Resources:* Improve understanding of risk drivers to streamline Port State Control inspection activities.
- *Improved Efficiency in Domestic Inspections:* Improve risk-based allocation of prevention resources by developing an algorithm to predict a vessel's risk of non-compliance with safety/security regulations.

FY 2018 Key Milestone Events

- Evaluated augmented reality assisted maintenance and training technology to enhance the Coast Guard's ability to perform maintenance on air, surface, and shore assets.
- Conducted assessment of the application of AI/ML to disaster response course of action development to determine how it could improve Coast Guard planning and response.

FY 2019 Planned Key Milestone Events

- Develop a proof of concept prototype to validate AI/ML support to disaster response planning and conduct an evaluation.
- Deliver risk based resource allocation tool for domestic inspections.

FY 2020 Planned Key Milestone Events

- Execute the AI/ML Proof of Concept/Test Optimization of Algorithm.
- Deliver risk based Port State Control Optimization Tool and Report.

Overall Project Funding

<i>(Dollars in Thousands)</i>	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Project Funding	\$5,125	\$4,690	\$4,174	\$4,833	\$502
Obligations	\$5,125	\$4,690	\$4,174		

Project Schedule

Research & Development Description	Planned Start Date	Planned Completion
FY 2018		
Diesel Outboard Development	FY 2014 Q2	FY 2019 Q4
Exploring Machine Learning (ML) for Application in USCG Mission Planning & Disaster Response	FY 2018 Q1	FY 2020 Q4
Augmented Reality Capabilities to Improve Coast Guard Mission Support	FY 2018 Q1	FY 2019 Q4
Use of modern data analytics to improve risk-based allocation of prevention resources	FY 2018 Q1	FY 2020 Q2
Improved Efficiency in Domestic Inspections	FY 2018 Q1	FY 2019 Q3
Airborne Use of Force (AUF)	FY 2019 Q1	FY 2019 Q4
FY 2019		
Diesel Outboard Development	FY 2014 Q2	FY 2019 Q4
Exploring Machine Learning (ML) for Application in USCG Mission Planning & Disaster Response	FY 2018 Q1	FY 2020 Q4
Augmented Reality Capabilities to Improve Coast Guard Mission Support	FY 2018 Q1	FY 2019 Q4
Use of Modern Data Analytics to Improve Risk Based Allocation of Prevention Resources	FY 2018 Q1	FY 2020 Q2
Improved Efficiency in Domestic Inspections	FY 2018 Q1	FY 2019 Q3
Airborne Use of Force (AUF)	FY 2019 Q1	FY 2019 Q4
Condition-Based Maintenance (CBM) for Coast Guard Asset Product Lines	FY 2019 Q2	FY 2020 Q2
FY 2020		
Exploring Machine Learning (ML) for Application in USCG Mission Planning & Disaster Response	FY 2018 Q1	FY 2020 Q4
Use of Modern Data Analytics to Improve Risk Based Allocation of Prevention Resources	FY 2018 Q1	FY 2020 Q2
Condition-Based Maintenance (CBM) for Coast Guard Asset Product Lines	FY 2019 Q2	FY 2020 Q2

Type of Research

Applied

Technology Readiness Level

The program will attain Technology Readiness Level 5 in FY 2020. Various subprojects started from TRL 2 in FY 2014.

Transition Plans

Research will provide prototype demonstrations and knowledge products for Coast Guard decision makers including: recommended tactics, techniques, and procedures; policy, standards, or regulations; cost or risk avoidance; and pre-acquisition / future technology transfer considerations.

Department of Homeland Security

U.S. Coast Guard

Environmental Compliance and Restoration



**Fiscal Year 2020
Congressional Justification**

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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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Environmental Compliance and Restoration	25	23	\$13,397	-	-	-	25	23	\$13,495	25	23	\$13,495
Total	25	23	\$13,397	-	-	-	25	23	\$13,495	25	23	\$13,495
Subtotal Discretionary - Appropriation	25	23	\$13,397	-	-	-	25	23	\$13,495	25	23	\$13,495

The Environmental Compliance & Restoration (EC&R) appropriation 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 2020 President's Budget continues long-term monitoring at 24 sites, begins or continues investigation/remediation site work at seven 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.

The FY 2019 President's Budget requested \$13,429,000 for the EC&R program under the Operations and Support account.

Environmental Compliance and Restoration Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$13,397	-	\$13,495
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$21,279	-	\$19,010
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	\$4,038	-	-
Total Budget Authority	\$38,714	-	\$32,505
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$38,714	-	\$32,505
Obligations (Actual/Estimates/Projections)	\$19,704	-	\$13,495
Personnel: Positions and FTE			
Enacted/Request Positions	25	-	25
Enacted/Request FTE	23	-	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 2018 Enacted	25	23	\$13,397
FY 2019 President's Budget	-	-	-
FY 2020 Base Budget	-	-	-
Transfer from O&S to EC&R Appropriation	25	23	\$13,429
Total Transfers	25	23	\$13,429
Annualization of Prior Year Pay Raise - Military	-	-	\$1
Budget Year Allowances - Civilian	-	-	\$11
Budget Year Allowances - Military	-	-	\$2
Budget Year Pay Raise - Military	-	-	\$2
FERS Agency Contribution	-	-	\$50
Total, Pricing Increases	-	-	\$66
Total Adjustments-to-Base	25	23	\$13,495
FY 2020 Current Services	25	23	\$13,495
FY 2020 Request	25	23	\$13,495
FY 2019 To FY 2020 Change	25	23	\$13,495

Environmental Compliance and Restoration Justification of Transfers

Transfers <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Transfer 1 - Transfer from O&S to EC&R Appropriation	25	23	\$13,429
Total Transfers	25	23	\$13,429

Transfer from O&S to EC&R Appropriation: Transfers FY 2019 base funding from O&S to the EC&R appropriation to reflect CAS updates in FY 2020. As part of the Coast Guard's transition to CAS in FY 2019, EC&R was included as a PPA in O&S. However, draft language in the FY 2019 Senate and House Appropriations Committee marks moved EC&R back to a stand-alone appropriation. The FY 2020 President's Budget was updated to incorporate this change from the FY 2019 President's Budget display.

Environmental Compliance and Restoration Justification of Pricing Changes

Pricing Changes (Dollars in Thousands)	FY 2020 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Annualization of Prior Year Pay Raise - Military	-	-	\$1
Pricing Change 2 - Budget Year Allowances - Civilian	-	-	\$11
Pricing Change 3 - Budget Year Allowances - Military	-	-	\$2
Pricing Change 4 - Budget Year Pay Raise - Military	-	-	\$2
Pricing Change 5 - FERS Agency Contribution	-	-	\$50
Total Pricing Changes	-	-	\$66

Pricing Change 1 – Annualization of Prior Year Pay Raise - Military: Provides one quarter of funding to annualize the 2.6% military pay raise included in the FY 2019 President’s Budget.

Pricing Change 2 – Budget Year Allowances - Civilian: 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 – Budget Year Allowances - Military: 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, 2020. 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 4 – Budget Year Pay Raise - Military: Provides three quarters of funding for the 2020 military pay raise (3.1%).

Pricing Change 5 – Federal Employee Retirement System (FERS) Agency Contribution: Per OMB Circular A-11, the Coast Guard FERS contribution increased. The regular FERS contribution increased by 2.3% from 13.7% in FY 2019 to 16% in FY 2020. The Coast Guard contribution amount for Civil Service Retirement System (CSRS) did not change.

Environmental Compliance and Restoration Personnel Compensation and Benefits

Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Environmental Compliance and Restoration	25	23	\$3,334	\$144.91	-	-	-	-	25	23	\$3,449	\$149.96	25	23	\$3,449	\$149.96
Total	25	23	\$3,334	\$144.91	-	-	-	-	25	23	\$3,449	\$149.96	25	23	\$3,449	\$149.96
Discretionary - Appropriation	25	23	\$3,334	\$144.91	-	-	-	-	25	23	\$3,449	\$149.96	25	23	\$3,449	\$149.96

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$2,381	-	\$2,379	\$2,379
11.5 Other Personnel Compensation	\$33	-	\$40	\$40
11.6 Military Personnel-Basic Allowance for Housing	\$36	-	\$42	\$42
11.7 Military Personnel	\$79	-	\$95	\$95
11.8 Special Personal Services Payments	\$1	-	-	-
12.1 Civilian Personnel Benefits	\$796	-	\$886	\$886
12.2 Military Personnel Benefits	\$8	-	\$7	\$7
Total - Personnel Compensation and Benefits	\$3,334	-	\$3,449	\$3,449
Positions and FTE				
Positions - Civilian	24	-	24	24
FTE - Civilian	22	-	22	22
Positions - Military	1	-	1	1
FTE - Military	1	-	1	1

Pay Cost Drivers

Leading Cost-Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Total	22	\$3,210	\$145.91	-	-	-	22	\$3,305	\$150.23	22	\$3,305	\$150.23
Military Total	1	\$124	\$124.00	-	-	-	1	\$144	\$144.00	1	\$144	\$144.00
Total – Pay Cost Drivers	23	\$3,334	-	-	-	-	23	\$3,449	-	23	\$3,449	-

Explanation of Pay Cost Drivers:

Civilian Total: The pay cost drivers for civilian personnel include all civilian pay and benefits, including required government contributions to FEGLI, FEHB, and TSP. Increases to these benefits increase pay driver costs for all civilian FTE.

Military Total: The pay cost drivers for military personnel include all pay and allowances for military personnel. Increases to these benefits increase pay driver costs for all military FTE.

Environmental Compliance and Restoration Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 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	2	-	4	4
Total Perm. Employment (Filled Positions) EOY	22	-	20	20
Position Locations				
Headquarters	4	-	4	4
U.S. Field	20	-	20	20
Headquarters Military	1	-	1	1
Averages				
Average Personnel Costs, GS Positions	136,838	-	143,575	143,575
Average Grade, GS Positions	13	-	13	13

Environmental Compliance and Restoration Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Environmental Compliance and Restoration	\$10,063	-	\$10,046	\$10,046
Total	\$10,063	-	\$10,046	\$10,046
Discretionary - Appropriation	\$10,063	-	\$10,046	\$10,046

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$117	-	\$126	\$126
22.0 Transportation of Things	\$3	-	\$3	\$3
23.1 Rental Payments to GSA	-	-	\$2	\$2
23.3 Communications, Utilities, and Misc. Charges	\$1	-	-	-
25.1 Advisory and Assistance Services	\$31	-	\$62	\$62
25.2 Other Services from Non-Federal Sources	\$8,213	-	\$9,728	\$9,728
25.3 Other Goods and Services from Federal Sources	\$16	-	\$1	\$1
25.6 Medical Care	\$7	-	\$10	\$10
25.7 Operation and Maintenance of Equipment	\$68	-	\$35	\$35
26.0 Supplies and Materials	\$169	-	\$78	\$78
31.0 Equipment	\$1,437	-	-	-
42.0 Insurance Claims and Indemnities	\$1	-	\$1	\$1
Total - Non Pay Object Classes	\$10,063	-	\$10,046	\$10,046

Environmental Compliance and Restoration

Non-Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Site Investigation/Remediation Activities	\$8,049	-	\$8,815	\$8,815
Long Term Management of Restoration Project Sites	\$1,634	-	\$303	\$303
Environmental Compliance Projects and Activities	\$380	-	\$928	\$928
Total – Non Pay Cost Drivers	\$10,063		\$10,046	\$10,046

Explanation of Non Pay Cost Drivers:

Site Investigation / Remediation Activities (24 locations): Provides funding to perform site remediation work at 24 locations to clean up hazardous substances and pollutants. Increases in this cost driver support new priorities to include site investigation and remediation at 14 new sites.

Long Term Management of Restoration Project Sites (7 locations): Provides funding to continue long-term management work at seven locations where remediation activities work was completed. Decreases in this cost driver are due to reduction of sites requiring long-term management.

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

The table below provides a detailed listing of each planned FY 2020 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 Barbers Point - Polyaromatic Hydrocarbon and Polychlorinated Biphenyl Contaminated Soil	\$88
Air Station/Sector Field Office Port Angeles - Small Arms Firing Range - Lead Contaminated Soil	\$50
Aunuu Island - Battery Clean-up	\$55
Base Ketchikan - Small Arms Firing Range - Lead Contaminated Soil	\$50
Cape Disappointment - Small Arms Firing Range - Lead Contaminated Soil	\$177
Group Cape Hatteras - Former Sanitary Leach Field/Family Housing - Multiple Contaminants in Soil and Groundwater	\$205
Lighthouse - Anclole Key - Lead and Mercury Contaminated Soil and Groundwater	\$62
Lighthouse - Destruction Island - Multiple Soil Contaminants	\$243
Lighthouse - Eldred Rock - Lead Contaminated Soil	\$557
Lighthouse - Guard Island - Petroleum and Lead Contaminated Soil	\$347
Lighthouse - Point Bonita – Petroleum and Lead Contaminated Soil	\$250
Lighthouse - Split Rock Point - Lead Contaminated Soil	\$227
LORAN Station St. Paul - Multiple Contaminants in Soil and Groundwater	\$3,000
LORAN Station Ilio Point - Multiple Contaminants	\$215
LORAN Station Saipan - Improper Waste Disposal	\$89
LORAN Station Sitkinak Island - Battery and Lead Contaminated Soil	\$15
LORAN Station Ulithi - Asbestos Containing Materials and Lead Based Paint Contamination	\$52
Radar Station Point Higgins/Radar Station - Petroleum Hydrocarbons Contaminated Soil	\$181
Site Akhiok, Alaska (Kodiak Island) - Diesel Fuel Release	\$59
Site Investigation/Remediation Activities	Estimated Cost (\$K)

U.S. Coast Guard**Environmental Compliance and Restoration**

Station Gloucester - Heavy Metals Contaminated Soil	\$43
Station Montauk - Aboveground Storage Tank Release	\$206
Station Pascagoula - Aboveground Storage Tank Release	\$107
TRACEN Cape May - Auxiliary Operations Building - Lead Contaminated Soil	\$37
TRACEN Petaluma Skeet Range - Lead Contaminated Soil	\$2,500
Subtotal Site Investigation/Remediation Activities	\$8,815

Long Term Management of Remediation Projects	Estimated Cost (\$K)
Air Station Clearwater - Fuel Handling Hydrant #3 - Petroleum Contaminated Soil and Groundwater	\$11
Air Station Clearwater - Tennis Court/Former Burn Pit - Contaminated Soil	\$21
Base Ketchikan - Heavy Metals Contaminated Marine Sediments	\$48
Base Miami Beach - Underground Storage Tank Release	\$24
Lighthouse - Egmont Key - Contaminated Groundwater	\$4
Lighthouse - Five Finger Islands - Lead Contaminated Soil	\$12
LORAN Station Cocos Island - Polychlorinated Biphenyl, Pesticides, and Petroleum Contaminated Groundwater	\$183
Subtotal Long Term Management of Remediation Projects	\$303

Subtotal Environmental Compliance Projects & Activities	\$928
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Total FY 2020 EC&R Non-pay Request	\$10,046
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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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Reserve Training	416	409	\$114,875	-	-	-	-	-	-	-	-	-
Total	416	409	\$114,875	-	-	-	-	-	-	-	-	-
Subtotal Discretionary - Appropriation	416	409	\$114,875	-	-	-	-	-	-	-	-	-

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.

In the FY 2019 President's Budget, RT was requested as a PPA under the Operations & Support (O&S) appropriation to transition the Coast Guard to the Common Appropriations Structure. RT is again requested as an O&S PPA in the FY 2020 President's Budget.

Reserve Training Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$114,875	-	-
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$114,875	-	-
Collections – Reimbursable Resources	\$88	-	-
Total Budget Resources	\$114,963	-	-
Obligations (Actual/Estimates/Projections)	\$114,963	-	-
Personnel: Positions and FTE			
Enacted/Request Positions	416	-	-
Enacted/Request FTE	409	-	-
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	419	-	-
FTE (Actual/Estimates/Projections)	403	-	-

Reserve Training Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	416	409	\$114,875
FY 2019 President's Budget	-	-	-
FY 2020 Base Budget	-	-	-
FY 2020 Request	-	-	-
FY 2019 To FY 2020 Change	-	-	-

Reserve Training Personnel Compensation and Benefits Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Reserve Training	416	409	\$94,361	\$229.81	-	-	-	-	-	-	-	-	-	-	-	-
Total	416	409	\$94,361	\$229.81	-	-	-	-	-	-	-	-	-	-	-	-
Discretionary - Appropriation	416	409	\$94,361	\$229.81	-	-	-	-	-	-	-	-	-	-	-	-

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$5,435	-	-	-
11.3 Other than Full-Time Permanent	\$35	-	-	-
11.5 Other Personnel Compensation	\$111	-	-	-
11.6 Military Personnel-Basic Allowance for Housing	\$9,229	-	-	-
11.7 Military Personnel	\$69,294	-	-	-
11.8 Special Personal Services Payments	\$197	-	-	-
12.1 Civilian Personnel Benefits	\$1,577	-	-	-
12.2 Military Personnel Benefits	\$8,313	-	-	-
13.0 Benefits for Former Personnel	\$170	-	-	-
Total - Personnel Compensation and Benefits	\$94,361	-	-	-
Positions and FTE				
Positions - Civilian	89	-	-	-
FTE - Civilian	76	-	-	-
Positions - Military	327	-	-	-
FTE - Military	333	-	-	-

Reserve Training Permanent Positions by Grade – Appropriation

Grades and Salary Range (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
GS-14	4	-	-	-
GS-13	4	-	-	-
GS-12	16	-	-	-
GS-11	10	-	-	-
GS-9	12	-	-	-
GS-8	5	-	-	-
GS-7	21	-	-	-
GS-6	12	-	-	-
GS-5	5	-	-	-
O-8	1	-	-	-
O-6	7	-	-	-
O-5	15	-	-	-
O-4	28	-	-	-
O-3	47	-	-	-
O-2	5	-	-	-
O-1	5	-	-	-
CWO	9	-	-	-
E-9	7	-	-	-
E-8	7	-	-	-
E-7	22	-	-	-
E-6	92	-	-	-
E-5	41	-	-	-
E-4	37	-	-	-
E-3	4	-	-	-
Total Permanent Positions	416	-	-	-
Unfilled Positions EOY	1	-	-	-
Total Perm. Employment (Filled Positions) EOY	88	-	-	-
Position Locations				
Headquarters	11	-	-	-
U.S. Field	78	-	-	-

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

Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
Headquarters Military	28	-	-	-
U.S. Field Military	299	-	-	-
Averages				
Average Personnel Costs, GS Positions	93,847	-	-	-
Average Grade, GS Positions	9	-	-	-

The Permanent Positions by Grade table reflects Full-Time Support (FTS) positions only. Reserve personnel do not contribute to FTP or FTE.

All FTP and FTE funded by the RT appropriation transferred to the O&S appropriation when the Coast Guard transitioned to Common Appropriations Structure (CAS) in FY 2019.

Reserve Training
Non Pay Budget Exhibits
Non Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Reserve Training	\$20,514	-	-	-
Total	\$20,514	-	-	-
Discretionary - Appropriation	\$20,514	-	-	-

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$7,072	-	-	-
22.0 Transportation of Things	\$552	-	-	-
23.2 Rental Payments to Others	\$127	-	-	-
23.3 Communications, Utilities, and Misc. Charges	\$457	-	-	-
25.2 Other Services from Non-Federal Sources	\$1,037	-	-	-
25.3 Other Goods and Services from Federal Sources	\$291	-	-	-
25.7 Operation and Maintenance of Equipment	\$103	-	-	-
25.8 Subsistence & Support of Persons	\$3,793	-	-	-
26.0 Supplies and Materials	\$6,633	-	-	-
31.0 Equipment	\$174	-	-	-
42.0 Insurance Claims and Indemnities	\$275	-	-	-
Total - Non Pay Object Classes	\$20,514	-	-	-

Department of Homeland Security

U.S. Coast Guard

Medicare-Eligible Retiree Health Care Fund Contribution



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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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$204,136	-	-	-	-	-	\$205,107	-	-	\$205,107
Total	-	-	\$204,136	-	-	-	-	-	\$205,107	-	-	\$205,107
Subtotal Discretionary - Appropriation	-	-	\$204,136	-	-	-	-	-	\$205,107	-	-	\$205,107

The Medicare-Eligible Retiree Health Care Fund Contribution (MERHCFC) funds accrual of the Coast Guard's military Medicare-eligible health benefit contribution to the Department of Defense (DOD) Medicare-Eligible Retiree Health Care Fund. 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 is calculated by multiplying the projected average force strength 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. The FY 2019 President's Budget requested MERHCFC base funding under O&S as part of the Common Appropriation Structure (CAS) transition. As part of the Coast Guard's transition to CAS in FY 2019, MERHCFC was included as a PPA in O&S. However, due to existing appropriations language provided in P.L. 108-375, the 2005 Defense Appropriations Act, which provides authority to pay on an annual basis, MERHCFC was removed from O&S and displayed as a stand-alone appropriation in the amended FY 2019 President's Budget. The FY 2020 President's Budget was updated to incorporate this change from the FY 2019 President's Budget display.

Medicare-Eligible Retiree Health Care Fund Contribution

Budget Authority and Obligations

Budget Authority (Dollars in Thousands)	FY 2018	FY 2019	FY 2020
Enacted/Request	\$204,136	-	\$205,107
Carryover and/or Recoveries (Actual/Estimates/Projections)	-	-	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$204,136	-	\$205,107
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$204,136	-	\$205,107
Obligations (Actual/Estimates/Projections)	\$204,136	-	\$205,107
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 2018 Enacted	-	-	\$204,136
FY 2019 President's Budget	-	-	-
FY 2020 Base Budget	-	-	-
Transfer from O&S to MERHCFC Appropriation	-	-	\$199,360
Total Transfers	-	-	\$199,360
Medicare-Eligible Retiree Health Care Fund Contribution Adjustment	-	-	\$5,747
Total, Pricing Increases	-	-	\$5,747
Total Adjustments-to-Base	-	-	\$205,107
FY 2020 Current Services	-	-	\$205,107
FY 2020 Request	-	-	\$205,107
FY 2019 To FY 2020 Change	-	-	\$205,107

Medicare-Eligible Retiree Health Care Fund Contribution

Justification of Transfers

Transfers <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Transfer 1 - Transfer from O&S to MERHCFC Appropriation	-	-	\$199,360
Total Transfers	-	-	\$199,360

Transfer 1 – Transfer from O&S to MERHCFC Appropriation: The Budget proposes to transfer FY 2019 base funding from O&S to the MERHCFC appropriation to reflect DHS CAS updates in FY 2020. As part of the Coast Guard’s transition to CAS in FY 2019, MERHCFC was included as a PPA in O&S. However, due to existing appropriations language provided in P.L. 108-375, the 2005 Defense Appropriations Act, which provides authority to pay on an annual basis, MERHCFC was removed from O&S and displayed as a stand-alone appropriation in the amended FY 2019 President’s Budget. The FY 2020 President’s Budget was updated to incorporate this change from the FY 2019 President’s Budget display.

Medicare-Eligible Retiree Health Care Fund Contribution Justification of Pricing Changes

Pricing Changes <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Medicare-Eligible Retiree Health Care Fund Contribution Adjustment	-	-	\$5,747
Total Pricing Changes	-	-	\$5,747

Pricing Change 1 – Medicare Eligible Retiree Health Care Fund Adjustment: Change reflects increased DOD actuary projected rates for active duty and reserve personnel and decreased projections for average workforce strength.

Medicare-Eligible Retiree Health Care Fund Contribution Personnel Compensation and Benefits

Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Medicare-Eligible Retiree Health Care Fund Contribution	-	-	\$204,136	-	-	-	-	-	-	-	\$205,107	-	-	-	\$205,107	-
Total	-	-	\$204,136	-	-	-	-	-	-	-	\$205,107	-	-	-	\$205,107	-
Discretionary - Appropriation	-	-	\$204,136	-	-	-	-	-	-	-	\$205,107	-	-	-	\$205,107	-

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
12.2 Military Personnel Benefits	\$204,136	-	\$205,107	\$205,107
Total - Personnel Compensation and Benefits	\$204,136	-	\$205,107	\$205,107
Positions and FTE				

Pay Cost Drivers

Leading Cost-Drivers (Dollars in Thousands)	FY 2018 Enacted ¹			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
MERHCFC Base Adjustment	-	\$204,136	-	-	-	-	-	\$205,107	-	-	\$205,107	-
Total - Pay Cost Drivers	-	\$204,136	-	-	-	-	-	\$205,107	-	-	\$205,107	-

Explanation of Pay Cost Driver

MERHCFC Base Adjustment: MERHCFC is based on projected workforce strength. The pay cost drivers reflect projected FY 2020 average workforce strength and changes in annual per capita accrual costs.

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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Retired Pay	-	-	\$1,676,117	-	-	\$1,734,844	-	-	\$1,802,309	-	-	\$67,465
Total	-	-	\$1,676,117	-	-	\$1,734,844	-	-	\$1,802,309	-	-	\$67,465
Subtotal Mandatory - Appropriation	-	-	\$1,676,117	-	-	\$1,734,844	-	-	\$1,802,309	-	-	\$67,465

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 FY 2016/FY 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 2018	FY 2019	FY 2020
Enacted/Request	\$1,676,117	\$1,734,844	\$1,802,309
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$122,321	\$120,343	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	-	-	-
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$1,798,438	\$1,855,187	\$1,802,309
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$1,798,438	\$1,855,187	\$1,802,309
Obligations (Actual/Estimates/Projections)	\$1,678,095	\$1,855,187	\$1,802,309
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 <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	-	-	\$1,676,117
FY 2019 President's Budget	-	-	\$1,734,844
FY 2020 Base Budget	-	-	\$1,734,844
Retired Pay Contribution	-	-	\$58,277
Retired Pay Medical	-	-	\$11,973
Total, Pricing Increases	-	-	\$70,250
FY 2018 DOD Savings	-	-	(\$2,785)
Total, Pricing Decreases	-	-	(\$2,785)
Total Adjustments-to-Base	-	-	\$67,465
FY 2020 Current Services	-	-	\$1,802,309
FY 2020 Request	-	-	\$1,802,309
FY 2019 To FY 2020 Change	-	-	\$67,465

Retired Pay Justification of Pricing Changes

Pricing Changes <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - FY 2018 DOD Savings	-	-	(\$2,785)
Pricing Change 2 - Retired Pay Contribution	-	-	\$58,277
Pricing Change 3 - Retired Pay Medical	-	-	\$11,973
Total Pricing Changes	-	-	\$67,465

Pricing Change 1 – FY 2018 DOD Savings: Savings due to FY 2018 National Defense Authorization Act measures that increase member co-pay for pharmaceuticals prescriptions.

Pricing Change 2 – Retired Pay Contribution: Reflects FY 2020 actuarial adjustments and inclusion of the Modernized Retirement System. The Modernized Retirement System includes payments for Thrift Savings Plan matching contributions and Continuation Pay.

Pricing Change 3 – Retired Pay Medical: Increase reflects FY 2020 actuarial adjustments for medical payments.

Retired Pay Personnel Compensation and Benefits Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Retired Pay	-	-	\$1,457,024	-	-	-	\$1,474,617	-	-	-	\$1,530,109	-	-	-	\$55,492	-
Total	-	-	\$1,457,024	-	-	-	\$1,474,617	-	-	-	\$1,530,109	-	-	-	\$55,492	-
Mandatory - Appropriation	-	-	\$1,457,024	-	-	-	\$1,474,617	-	-	-	\$1,530,109	-	-	-	\$55,492	-

* 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
12.2 Military Personnel Benefits	-	-	\$5,616	\$5,616
13.0 Benefits for Former Personnel	\$1,457,024	\$1,474,617	\$1,524,493	\$49,876
Total - Personnel Compensation and Benefits	\$1,457,024	\$1,474,617	\$1,530,109	\$55,492
Positions and FTE				

Pay Cost Drivers

Leading Cost-Drivers (Dollars in Thousands)	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Retired Pay	-	\$1,457,024	-	-	\$1,474,617	-	-	\$1,530,109	-	-	\$55,492	-
Total – Pay Cost Drivers	-	\$1,457,024	-	-	\$1,474,617	-	-	\$1,530,109	-	-	\$55,492	-

Explanation of Pay Cost Driver

Retired Pay: Increase due to changes in actuarial projections and costs associated with the Modernized Retirement System. The Modernized Retirement System includes payments for Thrift Savings Plan matching contributions and Continuation Pay.

Retired Pay
Non Pay Budget Exhibits
Non Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Retired Pay	\$219,093	\$260,227	\$272,200	\$11,973
Total	\$219,093	\$260,227	\$272,200	\$11,973
Mandatory - Appropriation	\$219,093	\$260,227	\$272,200	\$11,973

Non Pay by Object Class

Non-Pay Object Classes <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	-	-	\$11	\$11
25.2 Other Services from Non-Federal Sources	-	-	\$13,608	\$13,608
25.3 Other Goods and Services from Federal Sources	-	-	\$30	\$30
25.6 Medical Care	\$219,093	\$260,227	\$235,166	(\$25,061)
26.0 Supplies and Materials	-	-	\$23,385	\$23,385
Total - Non Pay Object Classes	\$219,093	\$260,227	\$272,200	\$11,973

Non Pay Cost Drivers

Leading Non Pay Cost-Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Retired Pay Medical	\$219,093	\$260,227	\$272,200	\$11,973
Total – Non Pay Cost Drivers	\$219,093	\$260,227	\$272,200	\$11,973

Explanation of Non Pay Cost Driver

Retired Pay Medical: Increase reflects FY 2020 actuarial adjustments and DOD proposed TRICARE benefit changes.

Department of Homeland Security

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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
Boat Safety	19	19	\$118,416	19	19	\$114,682	19	19	\$116,700	-	-	\$2,018
Total	19	19	\$118,416	19	19	\$114,682	19	19	\$116,700	-	-	\$2,018
Subtotal Mandatory - Appropriation	19	19	\$118,416	19	19	\$114,682	19	19	\$116,700	-	-	\$2,018

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.

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 2020 funding will be a percentage of FY 2019 trust fund receipts). The FY 2020 President's 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 2018	FY 2019	FY 2020
Enacted/Request	\$118,416	\$114,682	\$116,700
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$6,529	\$5,915	-
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	\$284	\$262	\$7,254
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$125,229	\$120,859	\$123,954
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$125,229	\$120,859	\$123,954
Obligations (Actual/Estimates/Projections)	\$119,314	\$120,859	\$123,954
Personnel: Positions and FTE			
Enacted/Request Positions	19	19	19
Enacted/Request FTE	19	19	19
Onboard and Actual FTE; Includes Collections - Reimbursable Resources			
Onboard (Actual/Estimates/Projections)	18	19	19
FTE (Actual/Estimates/Projections)	18	19	19

Boat Safety Summary of Budget Changes

Budget Formulation Activity <i>(Dollars in Thousands)</i>	Positions	FTE	Amount
FY 2018 Enacted	19	19	\$118,416
FY 2019 President's Budget	19	19	\$114,682
FY 2020 Base Budget	19	19	\$114,682
Budget Year Allowances - Civilian	-	-	\$6
FERS Agency Contribution	-	-	\$50
Trust Fund Receipts Adjustment	-	-	\$1,962
Total, Pricing Increases	-	-	\$2,018
Total Adjustments-to-Base	-	-	\$2,018
FY 2020 Current Services	19	19	\$116,700
FY 2020 Request	19	19	\$116,700
FY 2019 To FY 2020 Change	-	-	\$2,018

Boat Safety Justification of Pricing Changes

Pricing Changes <i>(Dollars in Thousands)</i>	FY 2020 President's Budget		
	Positions	FTE	Amount
Pricing Change 1 - Budget Year Allowances - Civilian	-	-	\$6
Pricing Change 2 - FERS Agency Contribution	-	-	\$50
Pricing Change 3 - Trust Fund Receipts Adjustment	-	-	\$1,962
Total Pricing Changes	-	-	\$2,018

Pricing Change 1 – Budget Year Allowances - Civilian: Provides funding for required government contributions to Federal Employee Government Life Insurance (FEGLI), Federal Employee Health Benefits (FEHB), and the Thrift Savings Plan (TSP).

Pricing Change 2 – FERS Agency Contribution: Per OMB Circular A-11, agency FERS contributions increased. The regular FERS agency contribution increased by 2.3% from 13.7% in FY 2019 to 16.0% in FY 2020. This pricing change increase reflects the Coast Guard contribution to FERS from FY 2019 to FY 2020.

Pricing Change 3 – Trust Fund Receipts Adjustment: Under provisions of the Sportfishing and Recreational Boating Safety Act, the Coast Guard receives a percentage distribution of total trust fund receipts. The FY 2020 President's Budget request reflects anticipated needs to non-Federal sources, including the State Recreational Boating Safety Federal Financial Assistance Program.

Boat Safety Personnel Compensation and Benefits Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted				FY 2019 President's Budget				FY 2020 President's Budget				FY 2019 to FY 2020 Total			
	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate	Pos.	FTE	Amount	Rate
Boat Safety	19	19	\$2,786	\$146.63	19	19	\$2,804	\$147.58	19	19	\$2,860	\$150.53	-	-	\$56	\$2.95
Total	19	19	\$2,786	\$146.63	19	19	\$2,804	\$147.58	19	19	\$2,860	\$150.53	-	-	\$56	\$2.95
Mandatory - Appropriation	19	19	\$2,786	\$146.63	19	19	\$2,804	\$147.58	19	19	\$2,860	\$150.53	-	-	\$56	\$2.95

Pay by Object Class

Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 - FY 2020 Change
11.1 Full-time Permanent	\$2,149	\$2,136	\$2,136	-
11.3 Other than Full-Time Permanent	-	\$27	\$27	-
11.5 Other Personnel Compensation	\$18	\$28	\$34	\$6
12.1 Civilian Personnel Benefits	\$619	\$613	\$663	\$50
Total - Personnel Compensation and Benefits	\$2,786	\$2,804	\$2,860	\$56
Positions and FTE				
Positions - Civilian	19	19	19	-
FTE - Civilian	19	19	19	-

*FY 2018 Enacted reflects actual FTE and pay amounts.

Pay Cost Drivers

Leading Cost Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate	FTE	Amount	Rate
Civilian Pay	19	\$2,786	\$146.63	19	\$2,804	\$147.58	19	\$2,860	\$150.53	-	\$56	\$2.95
Total – Pay Cost Drivers	19	\$2,786	\$146.63	19	\$2,804	\$147.58	19	\$2,860	\$150.53	-	\$56	\$2.95

Explanation of Pay Cost Driver

Civilian Pay: The pay cost drivers for civilian personnel include all civilian pay and benefits, including required government contributions to FEGLI, FEHB, and TSP. Increases to these benefits increase pay driver costs for all civilian FTE.

Boat Safety Permanent Positions by Grade – Appropriation

Grades and Salary Range <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
GS-15	3	3	3	-
GS-14	3	3	3	-
GS-13	12	12	12	-
GS-7	1	1	1	-
Total Permanent Positions	19	19	19	-
Total Perm. Employment (Filled Positions) EOY	14	14	14	-
Position Locations				
Headquarters	17	17	17	-
U.S. Field	2	2	2	-
Averages				
Average Personnel Costs, GS Positions	155,826	159,258	164,011	4,753
Average Grade, GS Positions	13	13	13	-

Boat Safety Non Pay Budget Exhibits

Non Pay Summary

Organization (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Boat Safety	\$115,630	\$111,878	\$113,840	\$1,962
Total	\$115,630	\$111,878	\$113,840	\$1,962
Mandatory - Appropriation	\$115,630	\$111,878	\$113,840	\$1,962

Non Pay by Object Class

Non-Pay Object Classes (Dollars in Thousands)	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Change
21.0 Travel and Transportation of Persons	\$162	\$151	\$152	\$1
22.0 Transportation of Things	\$1	-	-	-
24.0 Printing and Reproduction	\$10	\$331	\$334	\$3
25.1 Advisory and Assistance Services	\$5	-	-	-
25.2 Other Services from Non-Federal Sources	\$2,943	\$2,466	\$2,492	\$26
25.7 Operation and Maintenance of Equipment	-	\$22	\$22	-
31.0 Equipment	\$4	\$9	\$9	-
41.0 Grants, Subsidies, and Contributions	\$112,505	\$108,899	\$110,831	\$1,932
Total - Non Pay Object Classes	\$115,630	\$111,878	\$113,840	\$1,962

Non Pay Cost Drivers

Leading Non Pay Cost Drivers <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Boat Safety Grants & Administration	\$115,630	\$111,878	\$113,840	\$1,962
Total – Non Pay Cost Drivers	\$115,630	\$111,878	\$113,840	\$1,962

Explanation of Non Pay Cost Driver

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

U.S. Coast Guard

Maritime Oil Spill Program



**Fiscal Year 2020
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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 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 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	-	-	-

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).
- Administers the OSLTF.

Maritime Oil Spill Program Budget Authority and Obligations

Budget Authority <i>(Dollars in Thousands)</i>	FY 2018	FY 2019	FY 2020
Enacted/Request	\$101,000	\$101,000	\$101,000
Carryover and/or Recoveries (Actual/Estimates/Projections)	\$153,294	\$178,041	\$172,169
Rescissions to Current Year/Budget Year	-	-	-
Net Sequestered Resources	\$303	\$390	\$6,262
Reprogrammings/Transfers	-	-	-
Supplementals	-	-	-
Total Budget Authority	\$254,597	\$279,431	\$279,431
Collections – Reimbursable Resources	-	-	-
Total Budget Resources	\$254,597	\$279,431	\$279,431
Obligations (Actual/Estimates/Projections)	\$76,556	\$107,262	\$279,431
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 2018 Enacted	-	-	\$101,000
FY 2019 President's Budget	-	-	\$101,000
FY 2020 Base Budget	-	-	\$101,000
FY 2020 Current Services	-	-	\$101,000
FY 2020 Request	-	-	\$101,000
FY 2019 To FY 2020 Change	-	-	-

Maritime Oil Spill Program Non Pay Budget Exhibits

Non Pay Summary

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 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 2018 Enacted	FY 2019 President's Budget	FY 2020 President's Budget	FY 2019 to FY 2020 Total Changes
Federal Oil Spill Response	\$50,000	\$50,000	\$50,000	-
Oil Spill Recovery	\$1,000	\$1,000	\$1,000	-
Payment of Claims	\$50,000	\$50,000	\$50,000	-
Total – Non Pay Cost Drivers	\$101,000	\$101,000	\$101,000	-

Explanation of Non Pay Cost Drivers

Federal Oil Spill Response: 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.

Oil Spill Recovery: Provides payment to Prince William Sound Spill Recovery Institute.

Payment of Claims: Provides payment of oil spill removal costs and damages claims, including natural resource damages claims.

Department of Homeland Security

U.S. Coast Guard

Funds



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Funds
Budget Comparison and Adjustments
Comparison of Budget Authority and Request

Organization <i>(Dollars in Thousands)</i>	FY 2018 Enacted			FY 2019 President's Budget			FY 2020 President's Budget			FY 2019 to FY 2020 Total Changes		
	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount	Pos.	FTE	Amount
General Gift Fund	-	-	\$2,864	-	-	\$2,864	-	-	\$2,864	-	-	-
Total	-	-	\$2,864	-	-	\$2,864	-	-	\$2,864	-	-	-
Subtotal Mandatory - Appropriation	-	-	\$2,864	-	-	\$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 2020 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.