

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 |

| Organization Name | Level | Fund Type (* Includes Defense Funding) |
|--|--|--|
| MH-60T Conversions Other Acquisition Programs Other Equipment and Systems Program Oversight and Management | PPA Level II,Investment PPA PPA Level II,Investment PPA Level II,Investment | Discretionary - Appropriation Discretionary - Appropriation Discretionary - Appropriation |
| C4ISR Coast Guard Logistics Information Management System Cyber and Enterprise Mission Platform Shore Facilities and Aids to Navigation (ATON) Major Shore, Housing, ATON, Survey and Design | PPA Level II,Investment PPA Level II,Investment PPA Level II,Investment PPA PPA Level II,Investment | Discretionary - Appropriation Discretionary - Appropriation Discretionary - Appropriation Discretionary - Appropriation |
| Major Acquisition Systems Infrastructure Minor Shore Personnel and Related Support Costs Research and Development Environmental Compliance and Restoration | PPA Level II,Investment PPA Level II,Investment PPA Appropriation Appropriation | Discretionary - Appropriation Discretionary - Appropriation Discretionary - Appropriation Discretionary - Appropriation Discretionary - Appropriation |
| Reserve Training Medicare-Eligible Retiree Health Care Fund Contribution Retired Pay Boat Safety Maritime Oil Spill Program | Appropriation Appropriation Appropriation Appropriation Appropriation | Discretionary - Appropriation Discretionary - Appropriation Mandatory - Appropriation Mandatory - Appropriation Mandatory - Appropriation |
| Funds General Gift Fund Yard Fund Supply Fund Overseas Contingency Operations (OCO)/Global War on Terrorism | Appropriation PPA PPA PPA Appropriation | Mandatory - Appropriation Mandatory - Appropriation Discretionary - Appropriation Discretionary - 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

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|--|----------------|----------------|----------------|----------------|----------------|----------------|
| 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

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|---|----------------|----------------|----------------|----------------|----------------|----------------|
| 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 <i>(Dollars in Thousands)</i> | 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 |

| 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 <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 |
| 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 Terrorism | - | 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 <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 |
| 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 <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 |
|---|------------------------|---------------------------------------|---------------------------------------|---|
| 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. b115-141) | 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] \$13,495,000 | Dollar change only. No substantial change proposed. |
| ...[2022]2024 | 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 <i>(Dollars in Thousands)</i> | 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 |

Department of Homeland Security

U.S. Coast Guard

| | | | |
|---|-----------------------|------|----------|
| 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/Variou s 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 - Anclote Key - Lead and Mercury Contaminated Soil and Groundwater | Anclote Key/Anclote 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 | Mattapoisett | 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/Summer 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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Operations and Support

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 |
| 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 <i>(Dollars in Thousands)</i> | 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 |

U.S. Coast Guard

Operations and Support

| 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) |

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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 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 Interagency Agreements (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 <i>(Dollars in Thousands)</i> | 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 |

U.S. Coast Guard

Operations and Support

| Pricing Changes <i>(Dollars in Thousands)</i> | 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 <i>(Dollars in Thousands)</i> | 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 <i>(Dollars in Thousands)</i> | 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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Operations and Support

| Program Changes <i>(Dollars in Thousands)</i> | 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) |

U.S. Coast Guard

Operations and Support

| 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 |

U.S. Coast Guard

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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 |

| 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 <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 |
| 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 <i>(Dollars in Thousands)</i> | 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 (Dollars in Thousands) | 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 <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 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 <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 |
| 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 <i>(Dollars in Thousands)</i> | 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 <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 |
| 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 <i>(Dollars in Thousands)</i> | 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 <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 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 <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 | \$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 <i>(Dollars in Thousands)</i> | 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 <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 |
| 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 <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 | \$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 <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 |
|---|-----------------|-------------------------------|-------------------------------|-------------------------------------|
| 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 <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 | \$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 <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 |
|---|--------------------|-------------------------------|-------------------------------|-------------------------------------|
| 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 <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 |
| 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 <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 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 <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 | \$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 <i>(Dollars in Thousands)</i> | 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 <i>(Dollars in Thousands)</i> | 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 <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 |
|--|------------------------|-----------------------------------|-----------------------------------|---|
| 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 <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 | \$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 <i>(Dollars in Thousands)</i> | 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 <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 |
|---|------------------|-------------------------------|-------------------------------|-------------------------------------|
| 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 <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 | \$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 <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 |
| 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 <i>(Dollars in Thousands)</i> | 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 <i>(Dollars in Thousands)</i> | 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 <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 |
|--|------------------------|-----------------------------------|-----------------------------------|---|
| 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 <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 | \$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 <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 | \$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.

**Reserve Training – 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 |
| Other Defense Civil Programs - Selective Service System Source | - | - | - | - | - | \$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 <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 |
| 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 <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 | - | \$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 <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 | - | \$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 <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 | - | \$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 <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 | \$13,429 | - | - | - | (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 <i>(Dollars in Thousands)</i> | 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 <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 | \$3,383 | \$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 <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 | - | \$2,379 | - | (\$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 <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 |
|--|------------------------|-----------------------------------|-----------------------------------|---|
| 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 <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 | - | \$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 <i>(Dollars in Thousands)</i> | 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 <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 |
| 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 <i>(Dollars in Thousands)</i> | 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 <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 |
| 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

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 <i>(Dollars in Thousands)</i> | 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 <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 | 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 <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 |
|---|-----------------|-------------------------------|-------------------------------|-------------------------------------|
| 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 <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 | \$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 - Anclothe 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 |
|--|--------------|

| | |
|---|-----------------|
| Total FY 2020 EC&R Non-pay Request | \$10,046 |
|---|-----------------|

Department of Homeland Security

U.S. Coast Guard

Reserve Training



**Fiscal Year 2020
Congressional Justification**

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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 <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 |
| 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 <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 | \$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 <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-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

Procurement, Construction, and Improvements



**Fiscal Year 2020
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Procurement, Construction, and Improvements

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 |
| 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 <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 |
| 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 <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 | \$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 <i>(Dollars in Thousands)</i> | 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 | N024-00006362 | 1 | Procurement | Non-IT | Yes | \$500,000 | \$400,000 | \$457,000 |
| Fast Response Cutter | N024-00006370 | 1 | Procurement | Non-IT | Yes | \$340,000 | \$240,000 | \$140,000 |
| HC-27J Conversion/Sustainment | N024-00006364 | 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 | N024-00006369 | 1 | Procurement | Non-IT | Yes | \$1,241,000 | \$65,000 | \$60,000 |
| MH-65 Conversion/Sustainment | N024-00006366 | 1 | Procurement | Non-IT | Yes | \$22,000 | \$20,000 | \$50,000 |
| Polar Security Cutter | N024-00006381 | 1 | Procurement | Non-IT | Yes | \$19,000 | \$750,000 | \$35,000 |
| C4ISR | 024-00006343 | 1 | Procurement | IT | Yes | \$22,000 | \$23,300 | \$25,156 |
| MH-60T Sustainment | N024-00006367 | 1 | Procurement | Non-IT | Yes | \$2,500 | \$25,000 | \$20,000 |
| HC-144 Conversion/Sustainment | N024-00006364 | 1 | Procurement | Non-IT | Yes | - | \$17,000 | \$17,000 |
| Cyber and Enterprise Mission Platform | - | - | Procurement | IT | - | - | - | \$14,200 |
| Waterways Commerce Cutter | N024-00006386 | 1 | Procurement | Non-IT | Yes | \$26,100 | \$5,000 | \$2,500 |
| HC-130J Acquisition/Conversion/Sustainment | N024-00006382 | 1 | Procurement | Non-IT | Yes | \$100,600 | - | - |
| Polar Sustainment | N024-00006402 | 3 | Procurement | Non-IT | Yes | - | \$15,000 | \$15,000 |
| Small Unmanned Aircraft Systems | N024-00006404 | 3 | Procurement | Non-IT | Yes | \$500 | \$6,000 | \$9,400 |
| Coast Guard Logistics Information Management System | 024-00006115 | 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 <i>(Dollars in Thousands)</i> | 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 | N024-00006362 | 1 | Procurement | Non-IT | Yes | \$500,000 | \$400,000 | \$457,000 |
| Fast Response Cutter | N024-00006370 | 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 | N024-00006369 | 1 | Procurement | Non-IT | Yes | \$1,241,000 | \$65,000 | \$60,000 |
| Polar Security Cutter | N024-00006381 | 1 | Procurement | Non-IT | Yes | \$19,000 | \$750,000 | \$35,000 |
| Waterways Commerce Cutter | N024-00006386 | 1 | Procurement | Non-IT | Yes | \$26,100 | \$5,000 | \$2,500 |
| Polar Sustainment | N024-00006402 | 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 (Dollars in Thousands) |
|-------------------|-------------|------------|--------------|-----------|---------------------------------------|
| | 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 | NO24-00006384 | 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.

Investment Schedule

| Description | Design Work | | Project Work | | Estimated Cost <i>(Dollars in Thousands)</i> |
|----------------|-------------|-----------|--------------|------------|---|
| | 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 <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 |
|---|------------------------|-------------------|---------------------------|-----------|------|-----------------|----------------------------|----------------------------|
| 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 <i>(Dollars in Thousands)</i> |
|----------------|-------------|-----------|--------------|------------|---|
| | 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 Support¹ | - | - | - | - |
| 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 (Dollars in Thousands) |
|----------------------------------|-------------|------------|--------------|------------|---------------------------------------|
| | 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 Support ¹ | - | - | - | - |
| 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 <i>(Dollars in Thousands)</i> |
|---|-------------|-----------|--------------|------------|---|
| | 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 Support¹ | - | - | - | - |
| 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 (Dollars in Thousands) |
|---|-------------|-----------|--------------|------------|---------------------------------------|
| | 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 Support¹ | - | - | - | - |
| 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 Years ² | 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 (Dollars in Thousands) |
|---|-------------|-----------|--------------|------------|---------------------------------------|
| | 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 <i>(Dollars in Thousands)</i> |
|-------------------------|----------------|-----------|--------------|------------|---|
| | 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 <i>(Dollars in Thousands)</i> | 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 | N024-00006364 | 1 | Procurement | Non-IT | Yes | \$70,000 | \$80,000 | \$103,200 |
| MH-65 Conversion/Sustainment | N024-00006366 | 1 | Procurement | Non-IT | Yes | \$22,000 | \$20,000 | \$50,000 |
| MH-60T Sustainment | N024-00006367 | 1 | Procurement | Non-IT | Yes | \$2,500 | \$25,000 | \$20,000 |
| HC-144 Conversion/Sustainment | N024-00006364 | 1 | Procurement | Non-IT | Yes | - | \$17,000 | \$17,000 |
| HC-130J Acquisition/Conversion/Sustainment | N024-00006382 | 1 | Procurement | Non-IT | Yes | \$100,600 | - | - |
| Small Unmanned Aircraft Systems | N024-00006404 | 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.

Overall Investment Funding

| <i>(Dollars in Thousands)</i> | Prior Years | FY 2018 | FY 2019 | FY 2020 |
|---|-------------|----------|----------|-----------|
| Operations and Support ¹ | - | - | - | - |
| 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.

Investment Schedule

| Description | Design Work | | Project Work | | Estimated Cost <i>(Dollars in Thousands)</i> |
|----------------------------|-------------|-----------|--------------|------------|---|
| | 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).

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 |
| 70Z02318DAHH00100 | 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 |
| 70Z02318DAHH00400 | 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 (Dollars in Thousands) |
|--|-------------|------------|--------------|------------|---------------------------------------|
| | 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

- Continue service life extension production activities.

Overall Investment Funding

| <i>(Dollars in Thousands)</i> | Prior Years | FY 2018 | FY 2019 | FY 2020 |
|---|-------------|---------|----------|----------|
| Operations and Support ¹ | - | - | - | - |
| 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.

Investment Schedule

| Description | Design Work | | Project Work | | Estimated Cost <i>(Dollars in Thousands)</i> |
|-----------------------------------|----------------|------------|--------------|------------|---|
| | 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)

- 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 <i>(Dollars in Thousands)</i> |
|------------------------------------|-------------|------------|--------------|------------|---|
| | 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 <i>(Dollars in Thousands)</i> | 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 (Dollars in Thousands) |
|----------------------------------|--------------------|------------------|---------------------|------------------|--|
| | 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 <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 |

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 <i>(Dollars in Thousands)</i> |
|--------------------|-----------------|------|-----------------------|-----------------------|---------------------|--------------------|--|
| HSCG23-17-C-AC4138 | Lockheed Martin | CPFF | 11/2016 | 11/2016 | 10/2021 | No | \$9,000 |
| HSCG23-17-C-AC4139 | Lockheed Martin | T&M | 11/2016 | 11/2016 | 01/2020 | No | \$21,000 |

Significant Changes to Investment since Prior Year Enacted

No significant changes.

Investment Schedule

| Description | Design Work | | Project Work | | Estimated Cost <i>(Dollars in Thousands)</i> |
|--|-------------|-----------|--------------|------------|---|
| | 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

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 <i>(Dollars in Thousands)</i> | 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 <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 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 |
| 70Z04718CJNPTHG00 | 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 <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 |

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 <i>(Dollars in Thousands)</i> |
|-------------------------------|----------------|------------|--------------|------------|---|
| | 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 <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 |
| 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 <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 | \$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 <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 | 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 <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 | 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 <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 |
|---|-----------------|-------------------------------|-------------------------------|-------------------------------------|
| 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 <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 | \$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 | | |

| 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

Medicare-Eligible Retiree Health Care Fund Contribution



**Fiscal Year 2020
Congressional Justification**

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Medicare-Eligible Retiree Health Care Fund Contribution

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

| Organization <i>(Dollars in Thousands)</i> | FY 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 <i>(Dollars in Thousands)</i> | 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 <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 |
| 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 <i>(Dollars in Thousands)</i> | 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 <i>(Dollars in Thousands)</i> | 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



**Fiscal Year 2020
Congressional Justification**

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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 pharmaceutical 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 <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 |
| 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 <i>(Dollars in Thousands)</i> | 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 <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 |
| 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



**Fiscal Year 2020
Congressional Justification**

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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 <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 |
| 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 <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 | \$2,149 | \$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 <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 | \$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 <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 | \$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
Congressional Justification**

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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



Fiscal Year 2020
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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.