Department of the Treasury Office of the Comptroller of the Currency (OCC)

FY 2022

Capital Investment Plan

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Major IT Investments

Cyber Security

Description:
Technologies, processes and practices aligned to protect networks, computers, programs and data from attack, damage or unauthorized access.

Investment Anticipated Outlay: (In Millions of $):

Type	FY 2020 Actual Obligations	FY 2021 Estimated Obligations	FY 2022 President's Budget	$ Change	% Change
Sub-Total DME (Including Internal labor (Govt. FTE) Costs)	00.00	00.00	00.00	00.00	00.00
Sub-Total O&M Costs (Including Internal Labor (Govt. FTE) Costs)	30.20	32.00	32.00	00.00	00.00
Total Costs	30.20	32.00	32.00	00.00	00.00
Number of FTE represented by costs	37.00	36.00	36.00	00.00	00.00

Summary of Purpose, Goals, and Benefits:
Cyber Security includes technologies, processes and practices aligned to protect networks, computers, programs and data from attack, damage or unauthorized access. In alignment with Federal and Treasury requirements, the OCC has transitioned the Agency's systems and applications into Information System Continuous Monitoring (ISCM) and Ongoing Authorization. In FY 2021, the OCC will continue to deploy additional cloud-based services to minimize dependence on the OCC Data Center for critical network security and infrastructure services.

Accomplishments and Future Objectives:
OCC deployed several new security technologies to enhance security and help move OCC towards a more automated Information System Continuous Monitoring state. Continued the Continuous Diagnostics & Mitigation (CDM's) Phase 1 & 2 implementation which will enhance continuous monitoring capabilities and tools to identify and prioritize cyber risks and enable threat intelligence sharing with other federal agencies. OCC's implementation of CDM will enhance and further automate existing continuous network monitoring capabilities, correlate and analyze critical security-related information, counter emerging threats and enhance risk-based decision making at the OCC. In addition, OCC will enhance its Cyber Defense Center Capabilities, mature the Information System Security Officer Program, and focus on process automation to reduce complexity and gain efficiencies.

OCC IT Infrastructure End User Services and Support (EUSS)

Description:
This investment includes computing devices and support for end users. Client Compute physical desktops, portable laptops, thin client machines, peripherals (including monitors, pointer devices and attached personal printers) used by individuals to perform work; Mobile Devices including client compute tablets, smart phones (iOS) and apps used by individuals to perform work; End User Software such as client related software used to author, create, collaborate and share documents and other content.

Investment Anticipated Outlay: (In Millions of $):

Type	FY 2020 Actual Obligations	FY 2021 Estimated Obligations	FY 2022 President's Budget	$ Change	% Change
Sub-Total DME (Including Internal labor (Govt. FTE) Costs)	00.00	00.00	00.00	00.00	00.00
Sub-Total O&M Costs (Including Internal Labor (Govt. FTE) Costs)	45.40	49.30	49.30	00.00	00.00
Total Costs	45.40	49.30	49.30	00.00	00.00
Number of FTE represented by costs	70.00	69.00	69.00	00.00	00.00

Summary of Purpose, Goals, and Benefits:
The End User Services and Support includes help desk/customer service support, computer hardware and software operations and maintenance, mobile devices, printers, asset management, and desktop engineering and image management for OCC's workforce to carry out its mission.

Accomplishments and Future Objectives:
Completed the refresh of OCC PC equipment and begin the planning for the next PC refresh cycle. Overall, the Computer Refresh team leased 4,681 new computers during this refresh cycle, 422 units less than the planned 5,103. This is a significant reduction from the 2016 refresh when the OCC leased some 6,229 new computers. This Computer Refresh cycle has been more complex than previous cycles. In addition to new vendor and computers, this refresh included a new operating system, email and Office suite. Although this refresh may be over, the Computer Refresh team is already looking ahead to the next cycle and has conducted an in-depth analysis of user survey data, lessons learned and areas of improvements.

OCC IT Infrastructure Server Support Services (SSS)

Description:
This investment includes 1,514 servers in one data center. This investment includes operations and maintenance for data center systems, servers, disaster recovery, and over 3,338 TB storage. A planned storage refresh will increase capacity to over 5,000 TB.

Investment Anticipated Outlay: (In Millions of $):

Type	FY 2020 Actual Obligations	FY 2021 Estimated Obligations	FY 2022 President's Budget	$ Change	% Change
Sub-Total DME (Including Internal labor (Govt. FTE) Costs)	00.00	00.00	00.00	00.00	00.00
Sub-Total O&M Costs (Including Internal Labor (Govt. FTE) Costs)	11.00	12.20	12.20	00.00	00.00
Total Costs	11.00	12.20	12.20	00.00	00.00
Number of FTE represented by costs	14.00	14.00	14.00	00.00	00.00

Summary of Purpose, Goals, and Benefits:
The Server Support Services supports the OCC's server Operations and Maintenance, including refreshes of End-of-Life hardware. The infrastructure staff continues to build out additional capacity and support server technology refresh, business resiliency, and enterprise storage capacity.

Accomplishments and Future Objectives:
Continue to refresh server and storage infrastructure to maximize uptime and ensure maintenance as well as improve the security of OCC server platforms.

OCC IT Infrastructure Telecommunications Services and Support (TSS)

Description:
This investment includes Telecommunications Wide Area Network (WAN) and Local Area Network (LAN) infrastructure connecting over 108 OCC work locations and including voice systems installed in over 67 locations. Remote access to OCC systems is facilitated via VPN, dial-in, and cellular wireless access. This investment also includes the OCC's recent Accelerated Circuit Maintenance project to increase circuit bandwidth across the organization to support increased video teleconferencing and Cloud services.

Investment Anticipated Outlay: (In Millions of $):

Type	FY 2020 Actual Obligations	FY 2021 Estimated Obligations	FY 2022 President's Budget	$ Change	% Change
Sub-Total DME (Including Internal labor (Govt. FTE) Costs)	00.00	00.00	00.00	00.00	00.00
Sub-Total O&M Costs (Including Internal Labor (Govt. FTE) Costs)	27.10	32.50	32.50	00.00	00.00
Total Costs	27.10	32.50	32.50	00.00	00.00
Number of FTE represented by costs	16.00	15.00	15.00	00.00	00.00

Summary of Purpose, Goals, and Benefits:
This investment includes Telecommunications WAN/LAN infrastructure connecting over 108 OCC work locations, voice systems, and wireless access points. Remote access to the OCC systems is facilitated via VPN, dial-in, and cellular wireless access using two-factor authentication. This investment also includes messaging services supporting 2,000 highly mobile bank examiners and approximately 2,000 additional FTE's. There are over 30 firewalls protecting the OCC network along with intrusion detection systems.

Accomplishments and Future Objectives:
Continue to refresh telecommunication infrastructure to increase capacity, maximize uptime, and ensure maintenance and security are maintained.