

(KT0) DEPARTMENT OF PUBLIC WORKS

MISSION

The mission of the Department of Public Works (DPW) provides the highest quality sanitation, parking enforcement, and fleet management services that are both ecologically sound and cost effective.

BACKGROUND

The capital program supports the various DPW administrations and programs which provide municipal services to District of Columbia residents and businesses. Some of the administrations and programs include:

DPW's Solid Waste Management Administration – which performs a number of daily operations including trash and recycling collection, sanitation education and enforcement, graffiti removal, public litter can service, fall leaf collection, and street and alley cleaning.

DPW's Parking Enforcement Management Administration (PEMA) - which enforces the District's on-street parking laws. In addition to routine enforcement, PEMA is charged with booting and towing operations and with removing abandoned and dangerous vehicles from public and private property.

DPW's Fleet Management Administration - which supports municipal operations by procuring, fueling and maintaining thousands of District government vehicles, from sedans to heavy equipment. Fleet Management also is responsible for purchasing environmentally friendly, alternative-fuel vehicles (AFV) for the city.

CAPITAL PROGRAM OBJECTIVES

1. Ensure DPW fleet equipment will be available for the agency's core services and maintain replacement cycles to maximize cost savings on fleet maintenance.
2. Provide safe and clean facilities for DPW employees to perform their core duties.

RECENT ACCOMPLISHMENTS

- Ordered 67 replacement vehicles in FY18. Sourcing plan developed to procure 150 vehicles in FY19. A methodology was established to determine the vehicle replacement strategy for the next 5 years.
- Completed final repairs to fuel sites.
- Issued solicitations for HVAC system upgrade and Fort Totten tipping floor replacement projects.

Elements on this page of the Agency Summary include:

- **Funding Tables:** Past budget allotments show the allotment balance, calculated as allotments received to date less all obligations (the sum of expenditures, encumbrances, intra-District advances and pre-encumbrances). Agencies are allowed to encumber and pre-encumber funds up to the limit of a capital project’s budget authority, which might be higher than allotments received to date. For this reason, a negative balance on a project sheet does not necessarily indicate overspending or an anti-deficiency violation. A negative balance is permitted in this calculation of remaining allotment authority.
- **Additional Appropriations Data (\$000):** Provides a summary of the budget authority over the life of the project. The table can be read as follows:
 - › **Original 6-Year Budget Authority:** Represents the authority from the fiscal year in which budget was first appropriated through the next 5 years.
 - › **Budget Authority Through FY 2024 :** Represents the lifetime budget authority, including the 6-year budget authority for FY 2019 through FY 2024.
 - › **FY 2019 Budget Authority Revisions:** Represents the changes to the budget authority as a result of reprogramming, redirections and rescissions (also reflected in Appendix F) for the current fiscal year.
 - › **6-Year Budget Authority Through FY 2024 :** This is the total 6-year authority for FY 2019 through FY 2024 including changes from the current fiscal year.
 - › **Budget Authority Request Through FY 2025 :** Represents the 6-year budget authority for FY 2020 through FY 2025.
 - › **Increase (Decrease) :** This is the change in 6-year budget requested for FY 2020 - FY 2025 (change in budget authority is shown in Appendix A).
- **Estimated Operating Impact:** If a project has operating impacts that the agency has quantified, the effects are summarized in the respective year of impact.
- **FTE Data (Total budget in FTE Table might differ from actual budget due to rounding):** Provides the number for Full-Time Equivalent (FTE) employees approved as eligible to be charged to capital projects by, or on behalf of, the agency. Additionally, it provides the total budget for these employees (Personal Services), the non personnel portion of the budget in the agency’s capital plan, and the percentage of the agency CIP budget from either expense category.
- **Facility Location Map:** For those agencies with facilities projects, a map reflecting projects and their geographic location within the District of Columbia.

(Dollars in Thousands)

Phase	Funding By Phase - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(01) Design	6,452	2,482	3,421	0	549	500	500	500	500	500	500	3,000
(02) SITE	16,676	16,676	0	0	0	0	0	0	0	0	0	0
(03) Project Management	3,472	3,405	17	0	50	0	0	0	0	0	0	0
(04) Construction	56,269	51,766	2,002	1,425	1,076	5,900	1,500	5,500	0	0	0	12,900
(05) Equipment	171,121	148,704	11,839	9,865	713	24,664	15,835	3,333	11,475	7,747	3,816	66,870
(06) IT Requirements Development/Systems Design	400	400	0	0	0	0	1,000	0	0	0	0	1,000
TOTALS	254,390	223,433	17,279	11,289	2,389	31,064	18,835	9,333	11,975	8,247	4,316	83,770

Source	Funding By Source - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
GO Bonds - New (0300)	140,089	136,537	1,954	435	1,163	6,860	3,460	6,460	500	500	500	18,280
Pay Go (0301)	9,179	8,084	83	990	22	0	0	0	0	0	0	0
Equipment Lease (0302)	70,489	70,489	0	0	0	0	0	0	0	0	0	0
Short-Term Bonds – (0304)	30,981	8,141	11,826	9,865	1,150	24,204	15,375	2,873	11,475	7,747	3,816	65,490
Private Donations (0306)	10	0	0	0	10	0	0	0	0	0	0	0
Paygo - Restricted (0314)	3,600	182	3,416	0	1	0	0	0	0	0	0	0
Cap Fund - Fed Pmt (0355)	42	0	0	0	42	0	0	0	0	0	0	0
TOTALS	254,390	223,433	17,279	11,289	2,389	31,064	18,835	9,333	11,975	8,247	4,316	83,770

Additional Appropriation Data		Estimated Operating Impact Summary						
First Appropriation FY	1999	Expenditure (+) or Cost Reduction (-)						
Original 6-Year Budget Authority	335,730	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
Budget Authority Through FY 2024	304,399	No estimated operating impact						
FY 2019 Budget Authority Changes	0	Full Time Equivalent Data						
Capital Reprogrammings FY 2019 YTD	0	Object	FTE	FY 2020 Budget	% of Project			
6-Year Budget Authority Through FY 2024	304,399	Personal Services	0.0	0	0.0			
Budget Authority Request Through FY 2025	338,160	Non Personal Services	0.0	31,064	100.0			
Increase (Decrease)	33,762							

KT0-BRUFA-BENNING ROAD TRANSFER STATION FACILITIES UPGRADE

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: BRUFA
Ward: 7
Location: 3200 BENNING ROAD NE
Facility Name or Identifier: BENNING ROAD TRANSFER STATION
Status: New
Useful Life of the Project: 7
Estimated Full Funding Cost: \$2,900,000

Description:

This project is for facility repairs at the Benning Road Transfer Station needed to remediate safety hazards identified by the Office of Risk Management, to achieve ongoing compliance with federal storm water requirements, and to meet District demands for timely transfer of solid waste to disposal facilities. Repairs include replacement of the tipping floor, replacement and repair of exterior siding, replacement of grappler equipment, consolidation of electrical switches, weatherproofing, lighting upgrades, foundation repair, and replacement of sump pumps.

Justification:

The Office of Risk Management has identified several issues that are classified as ‘serious’ that are in need of immediate remediation to ensure the health and safety of personnel and users of the facility. The operational and environmental performance through storm water quality, loss of recyclables to trash, and the ability to expediently transfer refuse currently is hindered by the issues identified. This enhancement request is intended to fulfill these urgent needs.

Deferred maintenance on a facility that is over thirty years old.

Progress Assessment:

N/A

Related Projects:

The only related project is the Fort Totten Transfer Station Tipping Floor Replacement Project.

(Dollars in Thousands)

Phase	Funding By Phase - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(04) Construction	0	0	0	0	0	2,900	0	0	0	0	0	2,900
TOTALS	0	0	0	0	0	2,900	0	0	0	0	0	2,900

Source	Funding By Source - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
GO Bonds - New (0300)	0	0	0	0	0	2,900	0	0	0	0	0	2,900
TOTALS	0	0	0	0	0	2,900	0	0	0	0	0	2,900

Additional Appropriation Data

First Appropriation FY	
Original 6-Year Budget Authority	0
Budget Authority Through FY 2024	0
FY 2019 Budget Authority Changes	0
6-Year Budget Authority Through FY 2024	0
Budget Authority Request Through FY 2025	2,900
Increase (Decrease)	2,900

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals	10/30/2019	
Design Start (FY)	10/1/2019	
Design Complete (FY)	11/15/2019	
Construction Start (FY)	03/2/2020	
Construction Complete (FY)	08/28/2020	
Closeout (FY)	09/30/2020	

Full Time Equivalent Data

Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	2,900	100.0

KT0-CNGFS-CNG FUELING SITE UPGRADE

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: CNGFS
Ward: 5
Location: 1835 WEST VIRGINIA AVENUE NE
Facility Name or Identifier: WEST VIRGINIA AVE FUELING STATION
Status: New
Useful Life of the Project: 7
Estimated Full Funding Cost: \$1,500,000

Description:

The purchase and installation of new compressed natural gas (CNG) fueling infrastructure for the DPW West Virginia Ave NE fuel station. It will drastically improve reliability, provide redundancy during repairs or outages, increase fuel capacity to allow the purchase of more CNG vehicles, and in turn reduce greenhouse gas (GHG) emissions and petroleum usage in the District fleet.

Justification:

The existing CNG infrastructure was purchased preowned and installed in 1999. Many components of the existing system are no longer produced and if they fail would cause significant downtime for all of the Districts 100+ CNG vehicles. The infrastructure was also initially purchased to fuel a limited fleet of small light duty vehicles. Since that time CNG vehicle applications have now mainly focused on larger vehicles that realize more fuel savings. The current infrastructure does not have the capacity to fuel a growing fleet of larger CNG vehicles.

•Increased system reliability will reduce downtime of existing CNG vehicles. Twice in the past six months the existing CNG system was out-of-service for repairs for over 4 days in a row. During these instances all District CNG vehicles were unusable and therefore all productivity associated with those vehicles (parking enforcement, trash pickup, etc.) was lost. Without new equipment these instances will undoubtedly increase in the coming years.

•A larger and redundant CNG system will offer an option for increased alternative fuel usage and therefore reductions in GHG emissions. This will provide the District fleet another valuable option to meet the District Climate Action Plan goals of reducing emissions 50% by 2032 and 80% by 2050 by purchasing CNG vehicles in place of higher polluting unleaded models.

Progress Assessment:

New project

Related Projects:

There are no projects with synergies to this project.

(Dollars in Thousands)

Phase	Funding By Phase - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(04) Construction	0	0	0	0	0	1,500	0	0	0	0	0	1,500
TOTALS	0	0	0	0	0	1,500	0	0	0	0	0	1,500

Source	Funding By Source - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
GO Bonds - New (0300)	0	0	0	0	0	1,500	0	0	0	0	0	1,500
TOTALS	0	0	0	0	0	1,500	0	0	0	0	0	1,500

Additional Appropriation Data

First Appropriation FY	
Original 6-Year Budget Authority	0
Budget Authority Through FY 2024	0
FY 2019 Budget Authority Changes	0
6-Year Budget Authority Through FY 2024	0
Budget Authority Request Through FY 2025	1,500
Increase (Decrease)	1,500

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals	11/15/2019	
Design Start (FY)	10/1/2019	
Design Complete (FY)	11/15/2019	
Construction Start (FY)	01/2/2020	
Construction Complete (FY)	05/29/2020	
Closeout (FY)	07/31/2020	

Full Time Equivalent Data

Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	1,500	100.0

AM0-CP201-COMPOSTING FACILITY

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF GENERAL SERVICES (AM0)
Project No: CP201
Ward:
Location: TBD
Facility Name or Identifier: COMPOSTING FACILITY
Status: New
Useful Life of the Project: 30
Estimated Full Funding Cost: \$8,100,000

Description:

Resource Recycling Systems (RRS) recently released a study commissioned by DPW and required under the Sustainable Solid Waste Management Amendment Act of 2014 regarding the feasibility of compost collection in the District. The study recommended, among other strategies, building a compost facility within the District. The study states that such a facility could recover up to 148,796 tons of organic waste per year, or about 60 percent of the District’s organic waste. The facility could also generate approximately \$5 million in tipping fees each year, which over several years would be more than enough to recover the costs of the facility’s construction. The type of facility recommended by the RRS report—a covered aerated static pile (ASP) compost facility—would need a ten to twenty acre parcel of land and would provide benefits such as odor control, nuisance control, faster material composition, and a higher quality finished material than alternative models. The RRS report estimates that the facility would have 6 - 12 full-time employees, in addition to collection crews. The Committee is committed to helping the District reach its waste diversion goal of 80 percent and believes that construction of this facility is crucial to meeting that goal.

An FY 2019 enhancement of \$100,000 was provided for site selection and design. Funding for construction is being provided in FYs 2022 and 2023.

Justification:

The type of facility recommended by the RRS report—a covered aerated static pile (ASP) compost facility—would need a ten to twenty acre parcel of land and would provide benefits such as odor control, nuisance control, faster material composition, and a higher quality finished material than alternative models. The RRS report estimates that the facility would have 6 - 12 full-time employees, in addition to collection crews.

Progress Assessment:

New project

Related Projects:

N/A

(Dollars in Thousands)

Funding By Phase - Prior Funding						Approved Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(04) Construction	100	0	0	0	100	1,000	1,500	5,500	0	0	0	8,000
TOTALS	100	0	0	0	100	1,000	1,500	5,500	0	0	0	8,000

Funding By Source - Prior Funding						Approved Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
GO Bonds - New (0300)	100	0	0	0	100	1,000	1,500	5,500	0	0	0	8,000
TOTALS	100	0	0	0	100	1,000	1,500	5,500	0	0	0	8,000

Additional Appropriation Data	
First Appropriation FY	2018
Original 6-Year Budget Authority	16,100
Budget Authority Through FY 2024	8,100
FY 2019 Budget Authority Changes	0
6-Year Budget Authority Through FY 2024	8,100
Budget Authority Request Through FY 2025	8,100
Increase (Decrease)	0

Estimated Operating Impact Summary								
Expenditure (+) or Cost Reduction (-)		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact								

Milestone Data	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data			
Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	1,000	100.0

KT0-FLW04-DPW - FLEET VEHICLES < \$50K

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: FLW04
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: DPW VEHICLES
Status: New
Useful Life of the Project: 7
Estimated Full Funding Cost: \$11,251,000

Description:

This project funds the needed DPW vehicle replacements for the fleet vehicles with costs that are less than \$50,000 each. These include pick-up trucks with plows, crew cab trucks, automobiles and, similar vehicles. To provide critical public safety and sanitation services for the District, DPW must have a fleet of fully functional vehicles in good working order, and that are operational at all times. As vehicles are used, they naturally age, and their condition deteriorates with continued use and additional mileage, thus driving up the costs to maintain the vehicle and even to keep it in service. Timely replacement of vehicles when they reach a critical age, condition, or state of repair is essential for DPW to continue to meet service expectations of the District.

Justification:

Using the Capital Asset Replacement Scheduling System (CARSS) vehicle needs assessments have been modeled for all the District's fleet. The vehicle needs identified in this project represent the sum of the individual vehicle data of the same type for this agency. The replacement needs are driven by the assessment of a combination of; the vehicle age, condition, mileage, engine hours and, anticipated ongoing maintenance costs trends. This project represents the needs and timing of the vehicle replacements of this type needed to have a fully functional fleet that is in good condition and, available to serve the needs of the agency in providing service to the District.

Progress Assessment:

Progressing as planned.

Related Projects:

Master project-FLWMPC-MP-Fleet Vehicles-DPW

(Dollars in Thousands)

Phase	Funding By Phase - Prior Funding						Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(05) Equipment	1,150	185	172	760	32		1,721	1,917	234	962	3,415	908	9,156
TOTALS	1,150	185	172	760	32		1,721	1,917	234	962	3,415	908	9,156

Source	Funding By Source - Prior Funding						Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
Short-Term Bonds -- (0304)	1,150	185	172	760	32		1,721	1,917	234	962	3,415	908	9,156
TOTALS	1,150	185	172	760	32		1,721	1,917	234	962	3,415	908	9,156

Additional Appropriation Data

First Appropriation FY	2019
Original 6-Year Budget Authority	7,912
Budget Authority Through FY 2024	8,856
FY 2019 Budget Authority Changes	
Capital Reprogrammings FY 2019 YTD	-944
6-Year Budget Authority Through FY 2024	7,912
Budget Authority Request Through FY 2025	10,306
Increase (Decrease)	2,395

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	1,721	100.0

KT0-FLW02-DPW - FLEET VEHICLES > \$100K

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: FLW02
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: DPW VEHICLES
Status: New
Useful Life of the Project: 7
Estimated Full Funding Cost: \$60,192,000

Description:

This project funds the needed DPW vehicle replacements for the fleet vehicles with costs that exceed \$100,000 each, but with a cost less than \$275,000. These vehicle types include; heavy duty loaders and backhoes, refuse trucks and, large street sweepers. To provide critical public safety and sanitation services for the District, DPW must have a fleet of fully functional vehicles in good working order, and that are operational at all times. As vehicles are used, they naturally age, and their condition deteriorates with continued use and additional mileage, thus driving up the costs to maintain the vehicle and even to keep it in service. Timely replacement of vehicles when they reach a critical age, condition, or state of repair is essential for DPW to continue to meet service expectations of the District.

Justification:

Using the Capital Asset Replacement Scheduling System (CARSS) vehicle needs assessments have been modeled for all the District's fleet. The vehicle needs identified in this project represent the sum of the individual vehicle data of the same type for this agency. The replacement needs are driven by the assessment of a combination of; the vehicle age, condition, mileage, engine hours and, anticipated ongoing maintenance costs trends. This project represents the needs and timing of the vehicle replacements of this type needed to have a fully functional fleet that is in good condition and, available to serve the needs of the agency in providing service to the District.

Progress Assessment:

Progressing as planned.

Related Projects:

Master project-FLWMPC-MP-Fleet Vehicles-DPW

(Dollars in Thousands)

Phase	Funding By Phase - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(05) Equipment	13,951	0	8,349	5,596	6	19,157	12,379	1,750	9,428	1,870	1,657	46,241
TOTALS	13,951	0	8,349	5,596	6	19,157	12,379	1,750	9,428	1,870	1,657	46,241

Source	Funding By Source - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
Short-Term Bonds -- (0304)	13,951	0	8,349	5,596	6	19,157	12,379	1,750	9,428	1,870	1,657	46,241
TOTALS	13,951	0	8,349	5,596	6	19,157	12,379	1,750	9,428	1,870	1,657	46,241

Additional Appropriation Data

First Appropriation FY	2019
Original 6-Year Budget Authority	35,075
Budget Authority Through FY 2024	26,022
FY 2019 Budget Authority Changes	
Capital Reprogrammings FY 2019 YTD	9,053
6-Year Budget Authority Through FY 2024	35,075
Budget Authority Request Through FY 2025	60,192
Increase (Decrease)	25,117

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	19,157	100.0

KT0-FLW01-DPW - FLEET VEHICLES > \$275K

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: FLW01
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: DPW VEHICLES
Status: New
Useful Life of the Project: 7
Estimated Full Funding Cost: \$12,197,000

Description:

This project funds the needed DPW vehicle replacements for the fleet vehicles with costs that exceed \$275,000 each. These vehicle types include; off road construction, heavy duty loaders and backhoes, large refuse trucks and, large 3 wheeled street sweepers. To provide critical public safety and sanitation services for the District, DPW must have a fleet of fully functional vehicles in good working order, and that are operational at all times. As vehicles are used, they naturally age, and their condition deteriorates with continued use and additional mileage, thus driving up the costs to maintain the vehicle and even to keep it in service. Timely replacement of vehicles when they reach a critical age, condition, or state of repair is essential for DPW to continue to meet service expectations of the District.

Justification:

Using the Capital Asset Replacement Scheduling System (CARSS) vehicle needs assessments have been modeled for all the District’s fleet. The vehicle needs identified in this project represent the sum of the individual vehicle data of the same type for this agency. The replacement needs are driven by the assessment of a combination of; the vehicle age, condition, mileage, engine hours and, anticipated ongoing maintenance costs trends. This project represents the needs and timing of the vehicle replacements of this type needed to have a fully functional fleet that is in good condition and, available to serve the needs of the agency in providing service to the District.

Progress Assessment:

Progressing as planned.

Related Projects:

Master project-FLWMPC-MP-Fleet Vehicles-DPW

(Dollars in Thousands)

Phase	Funding By Phase - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(05) Equipment	4,420	0	870	3,229	322	196	0	424	0	1,180	1,251	3,051
TOTALS	4,420	0	870	3,229	322	196	0	424	0	1,180	1,251	3,051

Source	Funding By Source - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
Short-Term Bonds -- (0304)	4,420	0	870	3,229	322	196	0	424	0	1,180	1,251	3,051
TOTALS	4,420	0	870	3,229	322	196	0	424	0	1,180	1,251	3,051

Additional Appropriation Data	
First Appropriation FY	2019
Original 6-Year Budget Authority	6,180
Budget Authority Through FY 2024	10,905
FY 2019 Budget Authority Changes	
Capital Reprogrammings FY 2019 YTD	-4,726
6-Year Budget Authority Through FY 2024	6,180
Budget Authority Request Through FY 2025	7,471
Increase (Decrease)	1,291

Estimated Operating Impact Summary							
Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data			
Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	196	100.0

KT0-FLW03-DPW - FLEET VEHICLES > \$50K

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: FLW03
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: DPW VEHICLES
Status: New
Useful Life of the Project: 7
Estimated Full Funding Cost: \$12,130,000

Description:

This project funds the needed DPW vehicle replacements for the fleet vehicles with costs that exceed \$50,000 each, but with a cost less than \$100,000. These include small refuse, small street sweepers and, similar vehicles. To provide critical public safety and sanitation services for the District, DPW must have a fleet of fully functional vehicles in good working order, and that are operational at all times. As vehicles are used, they naturally age, and their condition deteriorates with continued use and additional mileage, thus driving up the costs to maintain the vehicle and even to keep it in service. Timely replacement of vehicles when they reach a critical age, condition, or state of repair is essential for DPW to continue to meet service expectations of the District.

Justification:

Using the Capital Asset Replacement Scheduling System (CARSS) vehicle needs assessments have been modeled for all the District's fleet. The vehicle needs identified in this project represent the sum of the individual vehicle data of the same type for this agency. The replacement needs are driven by the assessment of a combination of; the vehicle age, condition, mileage, engine hours and, anticipated ongoing maintenance costs trends. This project represents the needs and timing of the vehicle replacements of this type needed to have a fully functional fleet that is in good condition and, available to serve the needs of the agency in providing service to the District.

Progress Assessment:

Progressing as planned.

Related Projects:

Master project-FLWMPC-MP-Fleet Vehicles-DPW

(Dollars in Thousands)

Phase	Funding By Phase - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(05) Equipment	1,705	0	1,416	279	10	3,130	1,080	465	1,084	1,283	0	7,042
TOTALS	1,705	0	1,416	279	10	3,130	1,080	465	1,084	1,283	0	7,042

Source	Funding By Source - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
Short-Term Bonds -- (0304)	1,705	0	1,416	279	10	3,130	1,080	465	1,084	1,283	0	7,042
TOTALS	1,705	0	1,416	279	10	3,130	1,080	465	1,084	1,283	0	7,042

Additional Appropriation Data	
First Appropriation FY	2019
Original 6-Year Budget Authority	12,217
Budget Authority Through FY 2024	15,600
FY 2019 Budget Authority Changes	
Capital Reprogrammings FY 2019 YTD	-3,383
6-Year Budget Authority Through FY 2024	12,217
Budget Authority Request Through FY 2025	8,747
Increase (Decrease)	-3,470

Estimated Operating Impact Summary							
Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data			
Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	3,130	100.0

KT0-CHS20-ELECTRICAL CHARGING STATIONS

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: CHS20
Ward:
Location: DISTRICT-WIDE
Facility Name or Identifier: CHARGING STATIONS
Status: New
Useful Life of the Project:
Estimated Full Funding Cost: \$3,000,000

Description:

Installation of 50 new electric charging stations per year at a cost of \$10,000 per station. Stations would be located at District agencies coinciding with the purchase of electric vehicles.

Justification:

Purchasing electric vehicles when possible for the District's fleet is projected to reduce fueling costs by 50 percent per vehicle. Electric vehicles require electric charging stations.

Progress Assessment:

TBD

Related Projects:

None

(Dollars in Thousands)

Funding By Phase - Prior Funding						Approved Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(01) Design	0	0	0	0	0	500	500	500	500	500	500	3,000
TOTALS	0	0	0	0	0	500	500	500	500	500	500	3,000

Funding By Source - Prior Funding						Approved Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
GO Bonds - New (0300)	0	0	0	0	0	500	500	500	500	500	500	3,000
TOTALS	0	0	0	0	0	500	500	500	500	500	500	3,000

Additional Appropriation Data

First Appropriation FY	
Original 6-Year Budget Authority	0
Budget Authority Through FY 2024	0
FY 2019 Budget Authority Changes	0
6-Year Budget Authority Through FY 2024	0
Budget Authority Request Through FY 2025	3,000
Increase (Decrease)	3,000

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	500	100.0

KT0-SSISI-SHARED SERVICES SYSTEM

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: SSISI
Ward:
Location: 2000 14TH STREET NW
Facility Name or Identifier: INFORMATION TECHNOLOGY
Status: New
Useful Life of the Project: 5
Estimated Full Funding Cost: \$1,000,000

Description:

This multi phased project will assess and implement a robust integrated asset inventory and workflow management system across DPW that will focus on non-IT and IT assets, infrastructure and system refresh that aid in providing sanitation, fleet management and parking enforcement services to our DC community.

This initiative will allow for major enhancements and improvements by developing fully integrated modern system that will maximize operational efficiencies with assets with new functionality, simplify system maintenance requirements, ensure compliance and allow real-time data transfer between systems for intelligent reporting and analysis, which are critical to delivering excellent public work services to our residents.

Justification:

DPW currently provides diverse variety of sanitation, fleet management and parking enforcement services to our DC residents. These services require the use of wide variety of systems and assets. To meet audit and security compliance regulations, DC owned assets must be tracked and managed from “cradle to grave”, systems must meet compliance standards and service requests must be fulfilled within predetermined service level agreements. DPW lacks a dynamic integrated system for request intake, workflow management, and provisioning of district assets and service requests, through their life cycle. Today,

- DPW core services - (sanitation, fleet, facilities and parking enforcement) asset and requests are tracked and managed in disparate ways using redundant systems. These systems are fragmented and operate in silos.

- DPW administrative units including Risk and Safety Management, IT, and HR do not track assets or requests in any system.

Progress Assessment:

New project

Related Projects:

None

(Dollars in Thousands)

Phase	Funding By Phase - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(06) IT Requirements Development/Systems Design	0	0	0	0	0	0	1,000	0	0	0	0	1,000
TOTALS	0	0	0	0	0	0	1,000	0	0	0	0	1,000

Source	Funding By Source - Prior Funding					Approved Funding						
	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
GO Bonds - New (0300)	0	0	0	0	0	0	1,000	0	0	0	0	1,000
TOTALS	0	0	0	0	0	0	1,000	0	0	0	0	1,000

Additional Appropriation Data

First Appropriation FY	
Original 6-Year Budget Authority	0
Budget Authority Through FY 2024	0
FY 2019 Budget Authority Changes	0
6-Year Budget Authority Through FY 2024	0
Budget Authority Request Through FY 2025	1,000
Increase (Decrease)	1,000

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	0	0.0

KT0-GRETS-TRANSFER STATION GRAPPLER REPLACEMENT

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: GRETS
Ward: 5
Location: 4900 MCCORMACK RD & 3200 BENNING RD NE
Facility Name or Identifier: TRANSFER STATIONS
Status: New
Useful Life of the Project: 7
Estimated Full Funding Cost: \$13,800,000

Description:

This project is to secure a total of six (6) new Grapplers for the Transfer Stations within the District over a three year period. These new Grapplers will ensure the continuous and productive hauling of waste materials while creating a safe and humane environment for both District employees and its constituents.

Justification:

There are a total of six (6) Grapplers between the two (2) transfer stations within the District. All were purchased five (5) years ago. Four (4) were purchased refurbished (i.e. rebuilt from previously used parts) and two (2) were purchased new. Grapplers are used continuously daily to move waste that has been collected into containers that can haul them for destruction. The four (4) refurbished Grapplers are well past their life expectancy and are beyond normal monthly maintenance. They average a mechanical shut down about two times a week. The two (2) newer Grapplers are also well into their life expectancy and although they are being maintained, they are being overworked due to the other four (4) constant mechanical breakdown. They will need to be replaced within the next four (4) years. It is important to note that for over past year there have not been more than four (4) working Grapplers at a time between the transfer stations.

Progress Assessment:

New project

Related Projects:

The only projects that have some synergy are the Benning Transfer Station Upgrade project and the Back Up Generator Replacement

(Dollars in Thousands)

Funding By Phase - Prior Funding						Approved Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(05) Equipment	0	0	0	0	0	460	460	460	0	0	0	1,380
TOTALS	0	0	0	0	0	460	460	460	0	0	0	1,380

Funding By Source - Prior Funding						Approved Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
GO Bonds - New (0300)	0	0	0	0	0	460	460	460	0	0	0	1,380
TOTALS	0	0	0	0	0	460	460	460	0	0	0	1,380

Additional Appropriation Data

First Appropriation FY	
Original 6-Year Budget Authority	0
Budget Authority Through FY 2024	0
FY 2019 Budget Authority Changes	0
6-Year Budget Authority Through FY 2024	0
Budget Authority Request Through FY 2025	1,380
Increase (Decrease)	1,380

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)	09/30/2020	
Closeout (FY)		

Full Time Equivalent Data

Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	460	100.0

KT0-TWIRE-TRUCK WASH INSTALLATION

Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Implementing Agency: DEPARTMENT OF PUBLIC WORKS (KT0)
Project No: TWIRE
Ward: 5
Location: 4900 MCCORMACK ROAD NE
Facility Name or Identifier: FORT TOTTEN TRANSFER STATION
Status: New
Useful Life of the Project: 7
Estimated Full Funding Cost: \$500,000

Description:

This project is for the replacement of the current truck wash facility located at 4902 John McCormack Drive NE. The expected impact will be to improve the on-site vehicle washing capabilities for DPW which will assist in extending the useful life of vehicles in the fleet.

Justification:

The current truck wash facility is not designed to handle the volume and type of vehicles that need to be cleaned on a regular basis. The facility requires constant repair.

The original design did not adequately consider the usage level of the facility. The wash equipment was installed in 2002 and has exceeded its useful life.

The project will replace the current wash equipment and facility with one that has the capability to service the volume and type of equipment that must be washed on a regular basis.

Progress Assessment:

New project

Related Projects:

None

(Dollars in Thousands)

Funding By Phase - Prior Funding						Approved Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
(04) Construction	0	0	0	0	0	500	0	0	0	0	0	500
TOTALS	0	0	0	0	0	500	0	0	0	0	0	500

Funding By Source - Prior Funding						Approved Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
GO Bonds - New (0300)	0	0	0	0	0	500	0	0	0	0	0	500
TOTALS	0	0	0	0	0	500	0	0	0	0	0	500

Additional Appropriation Data

First Appropriation FY	
Original 6-Year Budget Authority	0
Budget Authority Through FY 2024	0
FY 2019 Budget Authority Changes	0
6-Year Budget Authority Through FY 2024	0
Budget Authority Request Through FY 2025	500
Increase (Decrease)	500

Estimated Operating Impact Summary

Expenditure (+) or Cost Reduction (-)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	6 Yr Total
No estimated operating impact							

Milestone Data

	Projected	Actual
Environmental Approvals	10/31/2019	
Design Start (FY)	10/1/2019	
Design Complete (FY)	10/31/2019	
Construction Start (FY)	11/29/2019	
Construction Complete (FY)	04/30/2020	
Closeout (FY)	09/30/2020	

Full Time Equivalent Data

Object	FTE	FY 2020 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	500	100.0