



Midpeninsula Regional
Open Space District

PROCUREMENT AGENDA ITEM

R-24-113
Meeting 24-24
September 11, 2024

AGENDA ITEM 4

AGENDA ITEM

Capital Equipment Purchase for Fiscal Year 2024-25

GENERAL MANAGER'S RECOMMENDATIONS

1. Authorize the General Manager to execute a purchase contract with the California Department of General Services and associated contract dealers for 8 vehicles (three patrol vehicles, four maintenance, and one administrative resulting in three replacements and five new vehicles) for a not-to-exceed amount of \$943,000.
2. Authorize the General Manager to execute a purchase contract with the California Department of General Services and associated contract dealers for 8 pieces of equipment (three replacement pieces and five new) for a not-to-exceed amount of \$700,000.
3. Authorize the General Manager to make changes to the make, model, and type of vehicle or equipment to meet the purpose expressed in this report within the grand total not-to-exceed expenditure approval for vehicles and equipment of \$1,643,000.

DISCUSSION

The Midpeninsula Regional Open Space District (District) purchases vehicles, machinery and equipment to support project and service delivery work performed by administrative, maintenance and patrol staff. This fiscal year, the purchase of 8 vehicles and 8 pieces of equipment are recommended through cooperative purchasing, leveraging competitive pricing obtained by another public agency to realize significant cost savings for the District.

Vehicles

The General Manger proposes purchasing three replacement vehicles and five additional new vehicles for the fleet. All three replacement vehicles have either reached the end of their service life, per the Administrative Fleet Replacement Guidelines (Guidelines), or are more cost effective to replace than repair. The three replacement vehicles will be put up for auction once radios, safety equipment, and toolboxes have been removed. The proposed vehicle purchases are described below by type:

Vehicle Replacements – Maintenance (2)

Maintenance vehicles are recommended for replacement at 10 to 15 years or 95,000 to 110,000 miles. Two vehicles have reached the end of their life span for use as maintenance vehicles. In addition, both vehicles pre-date the addition of Diesel Exhaust Fluid (DEF), which has been

required for all vehicles as of 2010. The replacements for these two vehicles will thus result in reduced emissions, specifically NOx and particulate matter. Although the newly adopted Fleet Electrification Transition Plan provided recommendations for all vehicle classes and types to convert to zero emission vehicles (ZEV), there are currently no Original Equipment Manufacturers (OEM), such as Ford or General Motors, that offer a thoroughly tested ZEV in this classification that meets District demands. The age and mileage for each maintenance vehicle is described below:

Vehicle	Age	Mileage	Comment
M22 Replacement (Sterling 7 Yard Dump Truck or Similar)	22	52,314	Vehicle has reached its end-of-life span per the vehicle replacement guidelines This vehicle is out of service and requires over \$40,000 in repairs.
M24 Replacement (Ford F-350 or Similar)	22	85,277	Vehicle has reached its end-of-life span per the vehicle replacement guidelines This vehicle has experienced numerous repairs in the last year (engine and exhaust issues).

Vehicle Replacements – Patrol (1)

Patrol vehicles are recommended for replacement at 7 to 10 years or 90,000 to 100,000 miles. The existing patrol vehicle is reaching the end of the life span for use as a patrol vehicle. This vehicle will be a diesel model as there are currently no OEM medium-duty ZEVs available on the market. The vehicle age and mileage is described below:

Vehicle	Age	Mileage	Comment
P104 Replacement (Ford F-350 or Similar)	9	91,314	Vehicle is reaching its end-of-life span per the vehicle replacement guidelines

Additional Vehicles (5)

Five additional vehicles would support the positions/departments as described in the table below. The proposed additional vehicles are accounted for in the FY25 budget apart from the cargo van.

Vehicle	Position/ Department	Comment
Ford Lightning	Conservation Grazing Manager	New position was approved in FY23. Position has been filled.
Heavy-Duty Class Truck (No OEM ZEV available in the market)	Lead Ranger	New FOSM recommended position for FY25.
Ford Lightning	Volunteer Program Lead	New FOSM recommended position for FY25. This position is currently under recruitment.
Ford Lightning	Facilities Maintenance Specialist	New FOSM recommended position for FY26. This position is currently under recruitment given vacancy in same classification.

Cargo Van - may be a ZEV or gas vehicle, dependent on procuring vehicle that meets District needs	Public Affairs Department	The vehicle would serve as a public outreach vehicle and also support group tours.
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Equipment

The General Manager recommends purchasing three replacement pieces of equipment and five additional pieces of equipment. The proposed equipment purchases are described below by type.

Equipment Replacements (2)

Tractors and All-Terrain Vehicles (ATVs) are recommended for replacement at 15 years and 5,000 hours of usage or when more cost effective to replace than repair. Currently, there are no commercially available, or tested, electric tractors suitable to meet District demands. Therefore, the tractor will be a diesel configuration. The District has purchased and tested electric versions of ATVs with limited success. The John Deere tractor with tiger mower and ATV replacement equipment will be put up for auction along with the three replacement vehicles. Therefore, this replacement will be a diesel configuration.

Equipment	Age	Hours of Use	Comment
John Deere Tractor/Tiger Mower Combination (M08)	29	5,000	Equipment has reached its end-of-life span per the replacement guidelines.
ATV (ATV05)	21	2,000	In terms of age, this equipment has reached its end-of-life span per the replacement guidelines. Although the hours of use is low compared to the guidelines, this ATV is experiencing various maintenance issues and is currently out of service.

Additional Equipment (5)

Five additional new pieces of equipment would support maintenance and patrol activities, as described below:

Equipment	Comment
John Deere Tractor/Tiger Mower Combination	A new tractor and mower would replace the working role of John Deere/mower combination (T32) because the mower unit is failing and beyond its useful life. However, the tractor component of (T32) is in good condition and will be re-outfitted with a new deck mower to support the highly prescriptive road maintenance requirements for endangered species protection at Cloverdale Ranch Open Space Preserve.
Remote-Controlled Mower	A remote-controlled mower would support the expansion of the Wildland Fire Resiliency Program.
Deck Mower	A deck mower would support the prescriptive road maintenance requirements for endangered species protection at Cloverdale Ranch Open Space Preserve.

Water Pumpers (3 total)	Three water pumpers would convert three patrol vehicles into Type 6 Fire Engines.
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Projected Costs

The following tables break down the projected costs for vehicles and equipment. Costs include tools and equipment installed by the manufacturers to outfit the vehicles, which vary by vehicle.

Make/Model	Type	Add or Replace	Cost	Qty	Total
Heavy-Duty Class Dump Truck	Maintenance	Replacement (M22)	\$350,000	1	\$350,000
Ford F350	Maintenance	Replacement (M24)	\$120,000	1	\$120,000
Heavy Duty Truck - Dodge 1 Ton Pickup or similar	Patrol	Replacement (P104)	\$100,000	1	\$100,000
Heavy Duty Truck - Dodge 1 Ton Pickup or similar	Patrol	Additional	\$100,000	1	\$100,000
Ford F150 Lightning	Maintenance	Additional	\$71,000	1	\$71,000
Ford F150 Lightning	Maintenance	Additional*	\$71,000	1	\$71,000
Ford F150 Lightning	Visitor Services	Additional *	\$71,000	1	\$71,000
Cargo Van	Administrative	Additional	\$60,000	1	\$60,000
Total FY25 Vehicle Request					\$943,000

*These vehicles were not included in the adopted FY24-25 budget; therefore, a budget adjustment is required.

However, note that ongoing long production and delivery times for vehicles may result in having a portion of the costs transferred to FY26.

Equipment Type	Type	Add or Replace	Cost	Qty	Total
John Deer Tractor/Tiger Mower Combination or similar	Maintenance	Replacement (M08)	\$248,000	1	\$248,000
John Deer Tractor/Tiger Mower Combination or similar	Maintenance	Replacement (T32)	\$248,000	1	\$248,000
ATV	Maintenance	Replacement (ATV05)	\$35,000	1	\$35,000
Remote-Controlled Mower	Additional	Additional	\$50,000	1	\$50,000
Deck Mower	Maintenance	Additional	\$35,000	1	\$35,000
Water Pumper	Patrol	Additional	\$28,000	3	\$28,000
Total FY25 Equipment Request					\$700,000

BUDGET / FISCAL IMPACT

The current fiscal year budget contains:

- sufficient funds.
- insufficient funds if all vehicles and equipment are delivered and paid for this fiscal year – if so, a future quarterly budget update would need to include a reallocation of unspent funds from other budgets to cover this expenditure. However, given long production and delivery times for new vehicles, it is anticipated that the actual delivery dates for some vehicles will be delayed to FY26 – if so, no budget adjustment would be needed, and instead next year’s budget would include funds to cover the cost of these delayed vehicles.
- insufficient funds; approval of this item requires a fiscal year budget augmentation.
- future fiscal year budgets will include additional funds to complete the contracted work.

Measure AA

- No, this contract is not part of a Measure AA project.

PROCUREMENT PROCESS AND SELECTION

Vehicles and machinery will be purchased through an existing contract via cooperative purchasing, known as “piggybacking”, with the state of California Department of General Services and associated contract dealers. As set forth in Board Policy 3.03, *Public Contract Bidding, Vendor, and Professional Consultant Selection, and Purchasing Policy*, cooperative purchasing on pricing obtained by another public agency through the competitive bidding process provides the opportunity to realize significant cost savings.

PRIOR BOARD ACTION SUPPORTING THE PROJECT

Annual capital equipment purchases are included in each fiscal year budget to support project and service delivery work performed by administrative, maintenance and patrol staff.

PUBLIC NOTICE

Public notice was provided as required by the Brown Act. No additional notice required.

CEQA COMPLIANCE

This item is not a project subject to the California Environmental Quality Act.

NEXT STEPS

If approved by the Board, staff will prepare purchase orders for the vehicles and equipment utilizing a cooperative procurement contract.

Attachment(s)

1. Administrative Fleet Replacement Guidelines

Responsible Department Head:
Brandon Stewart, Land and Facilities Department

Prepared by/Contact person:
Benjamin Talavera, Management Analyst II, Land and Facilities Department



Fleet Replacement Guidelines
September 7, 2022

The following serve as general guidelines for replacing vehicles and equipment based on usage, operating costs, and downtime. Adjustments in time or miles will be made to replacement criteria for individual units as conditions warrant.

PATROL (CODE 3) VEHICLES	7–10 years and/or 90–100,000 miles
MAINTENANCE TRUCKS	10–15 years and/or 95–110,000 miles
ADMIN VEHICLES	20 years and/or 110–130,000 miles
EQUIPMENT TRANSPORT TRAILERS	15–20 years
TRACTORS/EXCAVATORS	15 years and 5,000 hours
FIRE APPARATUS Slip-On Pumper Units	15 years

As new and replacement vehicles are purchased, they are evaluated to reduce fuel consumption. Examples of vehicles purchased in that effort are 1) three smaller Ford F150 trucks for ranger pool, 2) ordered one large F350 (with fire pumps) in the ranger pool, 3) ordered one Ford F150 Lightning for ranger pool to be used as a patrol vehicle.

Several additional measures may be evaluated in the future. An evaluation of the Fire Program may recommend removing pumpers from most patrol trucks and purchasing more effective patrol rigs for fire suppression. Electric vehicles, from standard sedans to electric motorcycles and ATVs, have been evaluated, and as their technology improves, we will likely recommend electric vehicle purchases in the future. The need for four-wheel drive and specialty vehicles limits the ability to green the fleet until technology catches up to those types of vehicles. Still, we will continue to include fuel economy in evaluating purchases.

In addition to reducing fuel consumption, the fleet is also evaluated for reducing expenditures and utilizing vehicles' lives up to the point where the maintenance cost, safety issues, fuel consumption, and reliability issues make the sale of old vehicles and the purchase of new vehicles cost-effective. Currently, we rely on the approved replacement guidelines, but we evaluate individual vehicles for use beyond the mileage and age guidelines. In particular, retired Visitor Services SUVs are evaluated for use at the administrative office when four-wheel-drive vehicles are needed. Currently, one retired patrol vehicle, a Ford Expedition, is being used in this capacity. As the longevity of vehicles improves, particularly in the administrative vehicle fleet, mileage and age guidelines can be adjusted if vehicles are lasting longer. The District is in the process of hiring a consultant to develop a fleet transition plan to reduce use of fossil fuels and associated greenhouse gas emissions in the medium to long-term, as well as a focus on future purchases and replacement guidelines.