

CITY OF OAKLAND

AGENDA REPORT

2012 FEB 16 PM 1:41

TO: Office of the City Administrator
ATTN: Deanna J. Santana
FROM: Public Works Agency
DATE: February 28, 2012

RE: **Adopt A Resolution Authorizing The City Administrator To Appropriate Four Hundred Thousand Dollars (\$400,000) Of Savings From The 2009-2011 Operating Budget In The Internal Equipment Service Fund 4100 To Purchase Thirteen Energy Efficient Vehicles For The Finance Management Agency, Parking Enforcement Division (PED)**

SUMMARY

This Follow-up report provides additional information requested by the Finance and Management Committee on January 10, 2012, concerning options for replacement of old parking enforcement vehicles.

FISCAL IMPACTS

Approval of this resolution will authorize the City Administrator to appropriate funds from the savings realized from the 2009-2011 ISF 4100 Operating Budget.

BACKGROUND

At the January 10, 2012 Finance and Management Committee, staff was directed to return with a cost benefit analysis of purchasing Specialized Traffic Enforcement Vehicles compared to Traditional vehicles such as Honda or Prius. Each vehicle received a numerical rating for each category and is based on a method recommended by the National Association of Fleet Administrators.

The following information was requested and is provided in *Attachment A*:

- Purchase price including modifications/additions
- Maintenance cost
- Life span
- Service costs for each type of vehicle
- Usage quality in an urban environment

Attachment B provides a life cycle cost benefit analysis of the vehicle types.

Item: _____
Finance and Management Committee
February 28, 2012

KEY ISSUES AND IMPACTS

Parking Enforcement and Equipment Services staff reviewed features and performance of four vehicles that would meet needs of the users. The best overall choice was determined as the Toyota Prius as shown by the table attached.

While larger cities have traditionally used the Westward Industries Go-4 Interceptor (a 3-wheel specialty vehicle) for parking enforcement, many are migrating to fuel efficient standard cars for cost savings, reduced environmental impact and declining importance of accessing parked cars from the street side.

Replacing 13 existing vehicles with Prius cars will result in the following advantages:

- A sustained 5.5% improvement in productivity for the 52 enforcement personnel affected by downtime on the current vehicles (used by two shifts)
- Maintenance cost reduction of \$300,000 over the 10-year life of the vehicles
- Fuel cost savings of \$78,000 over the 10-year life of the vehicles
- A reduction in greenhouse gas emissions of 183 metric tons over the 10-year life of the vehicles

SUSTAINABLE OPPORTUNITIES

Economic:

As the fleet service provider, Equipment Service Division supports the delivery of all emergency and non-emergency services in the City of Oakland. Efficient and effective management of the fleet includes working with the Purchasing Division in securing local vendors to provide goods and services in support of fleet maintenance and repair, thereby contributing to the health of Oakland's economy.

Environmental:

Use of advanced technology drive trains will reduce fuel consumption and emissions of hazardous compounds that have been linked to increased rates of cancer and asthma. Reduced fuel use will also decrease greenhouse gasses, which most scientists agree are a major contributor to global warming.

Social Equity:

A well managed, identifiable fleet of City vehicles and equipment can enhance the City's presence during delivery of services.

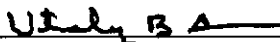
DISABILITY AND SENIOR CITIZEN ACCESS

There is no impact on the accessibility of residents with disabilities or senior citizens.

ACTION REQUESTED OF THE CITY COUNCIL

Staff recommends that the City Council accept this report and approve the resolution authorizing the use of \$400,000 in savings from the 2009-2011 Internal Equipment Service Fund 4100 Operating Budget to fund the purchase of 13 Prius cars to replace 13 over-aged Parking Enforcement vehicles.

Respectfully submitted,




Vitaly B. Troyan, P.E.
Public Works Agency Director

Reviewed by:
David Ferguson, Assistant Director
Department of Infrastructure & Operations

Prepared by:
Ken Bailey
Equipment Services Manager
Equipment Services Division

Attachment: A – Parking Enforcement Vehicle Selector List
B – Parking Enforcement Vehicle Lifecycle Cost Analysis

**APPROVED AND FORWARDED TO THE
FINANCE AND MANAGEMENT COMMITTEE:**



Office of the City Administrator

ATTACHMENT A

PARKING ENFORCEMENT VEHICLE SELECTOR LIST

Criteria	Weight	Westward Industries Go-4 Interceptor			Toyota Prius			Honda Civic Hybrid			Honda Civic CNG		
		Data	Score	Weighted Score	Data	Score	Weighted Score	Data	Score	Weighted Score	Data	Score	Weighted Score
Safety	3	No IIHS or NHTSA ratings	1	3	IIHS= Good in all categories NHTSA= 5 Star Overall	3	9	IIHS= Good in all categories NHTSA= 3 Star Overall	2	6	IIHS= Good in all categories NHTSA= 3 Star Overall	2	6
Environment	2	Users report 23 MPG	1	2	EPA= 50 MPG	4	8	EPA= 44 MPG	3	6	EPA= 27 MPG	2	4
Lifecycle Costs*	2	\$56,921	1	2	\$40,840	4	8	\$43,091	3	6	\$49,298	2	4
Purpose	1	Meets, carries only one person	1	1	Meets, carries 4 easily	2	2	Meets, carries 4 easily	2	2	Meets, carries 4 easily	2	2
Public Image	1	Special vehicle, gas engine	1	1	Modern vehicle, hybrid drive train	2	2	Modern vehicle, hybrid drive train	2	2	Modern vehicle, alternate fuel engine	2	2
Morale	1	Utility vehicle, requires special training	1	1	Favored	3	3	Acceptable	2	2	Acceptable	2	2
Total				10			32			24			20

*Detailed at Attachment B

ATTACHMENT B

**PARKING ENFORCEMENT VEHICLE LIFECYCLE COST ANALYSIS
LIFE = 10 YEARS AND 70,000 MILES**

		Westward Industries Go-4 Interceptor	Toyota Prius	Honda Civic Hybrid	Honda Civic CNG
Fixed Costs	Acquisition Cost	\$ 32,000	\$ 28,000	\$ 29,000	\$ 31,000
	Projected Resale Price	100	\$ 4,436	\$ 4,460	\$ 4,460
	Total Fixed Cost:	\$ 31,900	\$ 23,564	\$ 24,540	\$ 26,540
Operating Costs	Total Fuel Cost	\$ 11,565	\$ 5,320	\$ 6,045	\$ 9,852
	Total Maintenance Cost	\$ 7,056	\$ 6,356	\$ 6,706	\$ 6,706
	Total Operating Cost:	\$ 18,621	\$ 11,676	\$ 12,751	\$ 16,558
Total Lifecycle Cost:		\$ 50,521	\$ 35,240	\$ 37,291	\$ 43,098
Lifecycle Cost-per-Mile:		\$ 0.72	\$ 0.50	\$ 0.53	\$ 0.62