



SPECIAL MEETING MINUTES

Date: 8/31/2022
Time: 6:00 p.m.
Location: Zoom

A. Call To Order

Chair Kabat called the meeting to order at 6:06 p.m.

B. Roll Call

Present: Elkins, Evans, Hedley (Vice Chair), Kabat (Chair), Lin, Schmidt
Absent: London
Staff: Sustainability Manager Rebecca Lucky, Management Analyst II Joanna Chen, Assistant Public Works Director Brian Henry, Police Chief Dave Norris, Administrative Sergeant Scott Mackdanz, Public Works Supervisor Donald Weber

C. Regular Business

C1. Approve the July 20, 2022 Environmental Quality Commission meeting minutes (Attachment)

ACTION: Motion and second (Elkins/ Evans), to approve the July 20, 2022 Environmental Quality Commission meeting minutes, passed 6-0 (London absent).

C2. Consider recommendation to the City Council on the upcoming city vehicle and equipment purchases (Staff Report #22-003-EQC)

Chair Kabat and Sustainability Manager Rebecca Lucky introduced the item. Management Analyst II Johanna Chen made the presentation (Attachment).

- Ole Agesen expressed concern in purchasing gasoline-powered police motorcycles as a suitable electric replacement could be available before the end of its life.

The Commission discussed and received clarification on other brands of electric alternatives for proposed public works purchases, delaying some of combustion fired equipment purchases, future air quality board requirements, addressing charging infrastructure needs, reaching out to the City of Pasadena, renewable diesel, and comparing gas to electric cost.

ACTION: Motion and second (Elkins/ Hedley), to recommend approval of the police department purchases and for staff to look into further alternatives for public works combustion fired equipment to present to City Council, such as other cities that are deploying electric public works equipment alternatives successfully, checking with agencies that are providing electric incentives to inform about available technologies (California CORE and Air Resources Board), and timing purchases in relation to air quality requirements and end of life of combustion fired equipment, passed 6-0 (London absent).

C3. Informational presentation from the EQC outreach subcommittee for citizen community outreach on the Climate Action Plan

Vice Chair Hedley introduced the item and provided an overview of the presentation.

The Commission discussed the value of community education regarding climate action plan initiatives.

ACTION: None.

E. Reports and Announcements

E1. Reports and Announcements from staff and commissioners

Sustainability Manager Lucky provided updates regarding existing building electrification permit fee waiver/credit program approved by the City Council on August 23, 2022. Waste bill inserts will include information about incentives available for heat pump water heaters, solar and battery storage, and electric vehicles. Working with citizen volunteers seeking to educate the community on the climate action plan. Management Analyst Ori Paz continues to make significant progress to decarbonize city operations, particularly for EV charging for city fleet and employees.

F. Adjournment

Chair Kabat adjourned the meeting at 8:12 p.m.

Rebecca Lucky, Sustainability Manager

Minutes approved at the September 21, 2022 Environmental Quality Commission meeting.



FY22-23 VEHICLE AND EQUIPMENT PURCHASE PROPOSAL

Consider a recommendation to the City Council

ARRIENGA FAMILY
GYMNASIUM



TEAM MEMBERS

Available for Q&A

- Joanna Chen, Management Analyst II
- Brian Henry, Assistant Public Works Director
- Rebeca Lucky, Sustainability Manager
- David Norris, Chief of Police
- Don Weber, Fleet Supervisor

Special shout out

- William Dixon, Police Commander
- Nikki Nagaya, Public Works Director
- Scott Mackdanz, Admin Sergeant
- TJ Moffett, Police Commander
- Ori Paz, Management Analyst II



BACKGROUND ON VEHICLE/EQUIPMENT PURCHASES

- Based on mileage, age, downtime for repairs, and mandated emission regulations
- Adhere to the City's Climate Action Plan No. 5 goal to eliminate fossil fuels from city operations by 2030
 - The city's vehicle fleet is the second largest contributor to greenhouse gas emissions in city operations.
- Also adhere to the Sustainable Fleet Policy to reduce greenhouse gas emissions by increasing the number of zero-emission fleet vehicles

UPDATE FROM LAST POLICE VEHICLE PURCHASE

- Embarked on strategic electric vehicle transition in the police department (PD)
 - 3 Tesla Ys to pilot in the patrol fleet
 - 1 Ford Mustang Mach-E in the admin fleet
 - 1 Chevrolet Bolt for code enforcement
- Major milestone for small-sized police department
 - Menlo Park's PD electric vehicle ratio is greater when compared to other cities' PD in the region





TESLA PILOT PROGRAM

- Several factors to consider and test:
 - Patrol vehicles are driven differently than average commuter vehicles
 - Patrol vehicles are used 24 hours, seven days a week to respond to calls for service
 - For example, a full battery charge (just like a full gas tank) would be required before an officer starts and ends their shift as anything can happen on the job
 - Battery drain
 - Additional weight from outfitting and equipment
 - Charging time
- Three Tesla Ys should be service ready by November



PROPOSED VEHICLE PURCHASE FOR POLICE



Number of vehicle type	Current vehicle fuel type	Proposed vehicle fuel type	Reason for exemption
3 detective sedans (leased)	Hybrid	Electric	-
1 pool sedan	Gasoline	Electric	-
1 community service truck	Gasoline	Electric	-
2 traffic enforcement motorcycles	Electric	Lower emission gasoline	Electric option not viable for traffic patrol operations

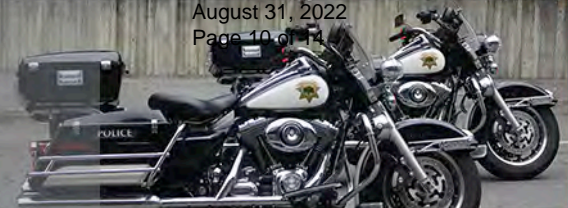
ELECTRIC POLICE MOTORCYCLES

- Electric Zero Motorcycles
 - 2 motorcycles (2014 and 2016 models)
 - One of the first manufacturers to make all electric motorcycles and configure them into police operations

- Limitations
 - Replacement batteries no longer available in 2014 Zero model
 - Malfunctioning electric circuits in the middle of duty while driving the 2016 Zero model, which is a safety concern
 - Cannot repair onsite due to proprietary property
 - Does not meet traffic patrol operation needs for hands-free communication and road speed due to safety concerns



GAS POLICE MOTORCYCLES AND ALTERNATIVES



- Lower emission gasoline motorcycle replacements (BMW)
 - Have better fuel economy than previous gas motorcycles models
 - Would substantially reduce vehicle emissions as compared to the Harley motorcycles they would replace
 - Adequate space to install all essential police equipment to operate safely

- Alternative transportation
 - Total of 15 bicycles, which includes 2 electric bicycles
 - Benefits of the e-bikes:
 - Cover more ground more quickly during pursuits
 - More community engagement; and
 - Conserve energy when engaging with suspects



PROPOSED VEHICLE/EQUIPMENT PURCHASE FOR PUBLIC WORKS



Number of vehicle type	Current vehicle fuel type	Proposed vehicle fuel type	Reason for exemption
3 light-duty trucks	Gasoline	Electric	-
1 vibratory roller equipment	Renewable diesel	Renewable diesel	Electric option not yet available
1 farm tractor equipment	Renewable diesel	Renewable diesel	Electric option not yet available
1 reel/lawn mower equipment	Renewable diesel	Renewable diesel	Electric option not yet available
1 stump grinder equipment	Renewable diesel	Renewable diesel	Electric option not yet available
1 brush chipper equipment	Renewable diesel	Renewable diesel	Electric option not yet available

PUBLIC WORKS VEHICLE AND EQUIPMENT PROPOSAL



Vibratory roller



Stump grinder



Brush chipper



Farm tractor



Reel mower



RECOMMENDATION

Staff recommends the Environmental Quality Commission consider a recommendation to the City Council on the upcoming city vehicle and equipment purchases:

- Three electric sedans for the police detective unit;
- One electric sedan for the police pool;
- One electric truck for the police community services unit;
- Two lower emission gasoline traffic enforcement motorcycles;
- Three electric light-duty public works trucks; and
- Five renewable diesel-powered pieces of equipment



THANK YOU

