

Lisa Wolfe

From: terry scott <[REDACTED]>
Sent: Tuesday, October 19, 2021 5:53 PM
To: Lisa Wolfe
Subject: public comment 13.F consent Calendar
Attachments: Fremont Police Department Releases Results from EV Pilot Program.docx

To: Mayor Steve Young, Vice-Mayor Tom Campbell, City Council members and staff

From: Terry Scott

Consent Calendar item 13.F

I respectfully request the Council remove item 13F- Police replacement vehicles from the consent calendar and discuss why the City decided to purchase 3 Hybrid Ford Police vehicles rather than consider the purchase of Tesla Electric patrol vehicles.

Recently, the Fremont Police Department (FPD) released the results of one of the nation's first Electric Patrol Vehicle Pilot Programs that tested a Tesla Model S 85 electric vehicle (EV) customized for patrol operations from March 2019 to March 2020.

Results found that the pilot vehicle exceeded performance and operational objectives, withstood the rigors of police use requiring minimal maintenance, and is cost-effective when factoring in overall cost of vehicle with maintenance and fuel savings.

Not only did the Tesla Model S 85 result in a lower total annual cost of energy/fuel, maintenance, and repair, it also demonstrated the effectiveness of electric vehicles in helping the City of Fremont meet its goals to reduce 2005 levels of greenhouse gas emissions by 55% by 2030 and achieve long-term carbon neutrality by 2045.

It is also expected that the Tesla's average annual maintenance and repair costs will decrease over time as more data is available and the sample period is extended, with a roughly 50% reduction (approximately \$2,910).

Additionally, initial statistics from the City of Fremont's Electric Patrol Vehicle Pilot Program have indicated that the reduced maintenance needs of electric vehicles will likely result in an expected lifespan of longer than five years (the expected lifespan for patrol vehicles), leading to additional cost savings for the Fremont Police Department.

In terms of performance, the Tesla Model S 85 met or exceeded expectations. The 265-mile range of the Tesla easily accommodated the 40-70 mile range that patrol vehicles drove on average per day.

"The final results from the one-year Electric Patrol Vehicle Pilot Program have been encouraging as the City of Fremont continues to look for cost-effective ways to help make Fremont more sustainable," said Fremont Police Captain Sean Washington.

"With an average of 27 fewer days of downtime per year, a savings of \$2,147 in the total annual cost of energy/fuel, maintenance, and repair, and no operational carbon dioxide emissions, the pilot program results have prompted Fremont PD to move forward with plans to expand its fleet of electric patrol vehicle alternatives."

This is just one example of many communities across California and the world that are switching to electric vehicles.

I ask that the City Council exhibit its full commitment to the environment; send this back to staff to reconsider the effectiveness of selecting electric patrol vehicles rather than purchasing hybrid vehicles that still produce CO₂, require more maintenance on the gasoline engine and which all together results in a long-term reduction in overall costs.

Terry Scott