

Member, Board of Supervisors
District 4



City and County of San Francisco

KATY TANG
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**SUPERVISOR TANG HOLDS HEARING TO REQUIRE CITY OF SAN FRANCISCO TO
PROCURE ONLY ELECTRIC SEDANS AND LIGHT-DUTY TRUCKS BY 2020**

Hearing outlines current city initiatives that will advance goals to reduce greenhouse gas emissions through electrifying the light-duty municipal fleet and improve access to critical charging infrastructure

Today the Board of Supervisors Government Audit and Oversight Committee held a hearing called by Supervisor Katy Tang regarding the status of the municipal vehicle fleet with a focus on advancing the City's commitment to reducing greenhouse gas emissions from light-duty vehicles and improving electric vehicle (EV) charging infrastructure at municipal facilities. Working with the San Francisco Department of the Environment and the City Administrator's Office, Supervisor Tang requested an analysis and recommendations on what it would take for our city to procure 100 percent of light-duty municipal vehicles (sedans and light-duty trucks) as battery electric (BEV) or plug-in hybrid electric vehicles (PHEV) by 2020.

"Through this hearing I want to highlight how San Francisco can lead the charge on adopting policies that reflect a strong commitment to greenhouse gas reduction and adoption of new vehicle and infrastructure technologies within our own municipal fleet," said Supervisor Tang. "Through collaboration and leadership at all levels of government, we can demonstrate that there is a wide demand for better technology, a need for expanded infrastructure, and a commitment to reducing greenhouse gas emissions and advancing the conversation around climate change policy."

At the national level, President Obama released an Executive Order in 2015 that requires 30 percent of federal fleet passenger vehicle acquisitions to be zero emission vehicles (ZEV) by 2020 and 50 percent by 2025. In 2012, California Governor Jerry Brown also released an Executive Order to bring 1.5 million ZEVs onto California roadways by 2025. And while California represents one-third of the world's EV market, EVs represent only 1 percent of worldwide car sales. California has ambitious climate goals that include promoting transportation electrification, doubling energy efficiency, and requiring 50 percent renewables by 2030. California has also adopted a ZEV Action Plan that includes a commitment to procuring 50 percent of the state's annual light-duty vehicles as ZEV by 2025. Most recently, President Obama announced this month an unprecedented initiative to advance EV infrastructure that will include 48 national EV charging corridors covering 25,000 miles across 35 states.

"Nearly half of San Francisco's harmful greenhouse gas emissions come from transportation. Getting people out of cars and on to sustainable transportation plus switching to zero emission vehicles is how San Francisco can reduce its emissions," said Debbie Raphael, Director of the San Francisco Department of Environment. "San

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Francisco is helping to drive electric vehicle adoption in the Bay Area by making charging more accessible to our community with a network of more than 200 publicly available charging points.”

The City has an ambitious goal to reduce GHG emissions by 40 percent by 2025 and 80 percent by 2050 and to achieve a goal of 100 percent renewable energy (electric) by 2030. In order to achieve this, the city will have to look first at vehicle usage because cars and trucks make up 40 percent of GHG emissions in San Francisco. In order to achieve these goals, the City adopted the Healthy Air and Clean Transportation Ordinance (HACTO) in 2010 as part of the San Francisco Environment Code. HACTO outlines a pathway to achieve these goals by promoting zero and low-emission vehicles, achieving energy efficiency, reducing fleet size, reducing the use of single occupancy vehicles, and expanding alternative fueling infrastructure.

Fortunately, San Francisco has one of the highest per capita numbers of charging stations in the Bay Area. However there is a lot of opportunity to expand infrastructure, improve charging technology, and increase charging capacity so city workers and residents alike can tap into the EV grid. One remaining challenge is the absence of a light-duty EV pickup truck. As part of the West Coast Fleet Initiative, San Francisco is joining other major West Coast city fleets including Los Angeles, Oakland, Portland, Seattle, Olympia and Vancouver, BC to put out a Request for Information aimed at accelerating the expansion of the EV market, specifically demonstrating the demand for an affordable EV pickup truck.

“The City Administrator’s Office recognizes the urgency of current environmental issues and is committed to reducing emissions from City vehicles while still providing excellent service to the residents of San Francisco,” said City Administrator Naomi Kelly.

San Francisco departments that utilize vehicles frequently include the Department of Building Inspection (DBI), the San Francisco Municipal Transportation Agency (SFMTA) and the Recreation and Park Department (RPD) among others. San Francisco is already well on the way to having a green fleet, as the City’s 859 sedans include 15 PHEVs, 37 BEVs, and 106 compressed natural gas vehicles (CNG). Of the remaining gasoline powered vehicles, 491 are efficient hybrid vehicles with only 210 internal combustion engine vehicles.

The City installed a telematics system that will provide data about state-of-charge of these vehicles and will help with route management, energy and charge reporting, and battery health monitoring. Additionally, the City is developing a vehicle pool system and a Vehicle on Demand System that will operate much like a car share system – both of which can help reduce overall fleet size. Moving forward, the City Administrator’s office will use existing telematics data and conduct analyses on vehicle costs, maintenance, fuel types, lease versus purchase options, charging infrastructure, electricity sources and costs, and disaster response. This analysis will inform legislation to electrify the City’s light-duty fleet.

“Given anticipated changes in environmental policy at the federal level, now is the time for San Francisco to lead the nation in environmental policy. I expect to introduce legislation at the Board of Supervisors that will set to achieve 100 percent procurement of light-duty municipal vehicles by 2020,” said Supervisor Tang. “But the conversation does not end there. Advancements in battery technology mean electric vehicles will cost less and have an increased driving range. Charging technology is increasingly available at home, in the workplace and

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along our interstate corridors. As a city it is essential that we also provide access to charging infrastructure for our residents in multi-family buildings and in public areas. I look forward to working to advance our city's EV policy in the private market and to continue to lead the nation in this discussion, and I appreciate the hard work of our City Administrator's Office, SF Environment and the Mayor's Office to get us there."

For more information, please contact Supervisor Katy Tang's office at (415) 554-7460 or Katy.Tang@sfgov.org.

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