



Pomona Valley
Transportation
Authority

A partnership of the cities of Claremont, La Verne, Pomona and San Dimas

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February 10, 2021

**AGENDA
ITEM #6**

MEMORANDUM

To: Pomona Valley Transportation Authority
From: Nicole Carranza, Sr. Program Manager
Subject: **Zero Emission Planning Update**

Summary

The Innovative Clean Transit regulations will begin to affect PVTA as early as 2026. PVTA has begun initial research by attending conferences and conducting site visits to learn more about the fleet electrification process.

The process of converting fleets of vehicles to zero emissions will require years of planning and collaboration between cities and transit agencies. The infrastructure can be very costly for cities and transit agencies if strategic planning is not put in place.

There are several aspects to consider when planning for electric:

- Funding - Collaboration is highly encouraged and beneficial in the planning stage and grant solicitation process. There are a variety of grants available from public to private funding.
- Infrastructure - Cities will need to consider reconfiguring electric grids to allow for electric conduits to be installed for electric vehicle charging stations.
- EV's in need of charging – regulation will eventually require a variety of fleets to run on zero emissions like, freight trucks, fleets of vehicles, public transit to personal vehicles. Cities will need to accommodate charging stations for different type of EV's.
- Utility Companies – Electric, gas and water companies will need to be consulted for power, grid planning, budget planning and funding purposes.
- Sustainability – The cities will need to decide on the source of energy they would like to implement battery electric or renewable sources such as hydrogen fuel, solar or wind.

- Safety – Fire department will need to be heavily involved during the infrastructure planning to help prevent and support emergency situations.

ZEV Status Update

PVTA like many other small operators who fall under the ICT regulation has continued to research all aspects of electric vehicle implementation. As the chair of the local transit committee Nicole Carranza has formed a Zero Emission Vehicle Committee that includes a network of more the 40 other operators. The Committee recently met with CARB representatives to request an update on any changed regulation deadlines due to the pandemic. As of now the deadlines remain unchanged and hardships and extensions will need to be requested as the deadlines get closer.

PVTA currently remains in the planning phase and continues to research any new industry developments. Most large agencies like Foothill transit and Metro have been the first to implement certified electric vehicles that meet federal standards. As vehicles become available for smaller operators with smaller vehicle capacity needs PVTA has begun the more challenging planning aspect which is the search for the proper facility and infrastructure.

PVTA will continue to reach out to cities and connect with the proper planning departments as well as work with our contractors to come up with the proper solution for charging station implementation options. PVTA will continue to keep the board informed of any future funding solutions and roll out plan developments.