



Transportation Electrification

City of Tacoma | Tacoma Public Utilities
Infrastructure, Planning and Sustainability Committee
December 6, 2018
ITEM #2



OVERVIEW



- General Government Departments and Tacoma Power have several initiatives in progress to foster transportation electrification.
- The Electric Vehicle Coordinating Committee has developed recommendations that the City of Tacoma can take to further this goal.
- Staff will provide an overview of progress to date, planned initiatives, and conclude with recommendations for additional policy actions.

BACKGROUND



- Tacoma Power offers low-cost, carbon-free energy
- Transportation sector accounts for 71% of GHG emissions in Tacoma
- Resolution 40016
- Environmental Action Plan and Tacoma 2025
- Tacoma Power Strategic Plan
- Emerging market opportunity for increased power sales

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2017/2018 ACTIVITIES



- Education and outreach (ongoing effort)
 - Three EV Ride & Drive events, TPU dedicated webpage, EV 101 workshops
- Partner engagement
 - Forth, PNW Transport and Elec Collaborative, UWT Livable City Year project
- LeMay- America's Car Museum exhibit and DC Fast Charger stations



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MORE 2018 ACTIVITIES



- EV Charging Station Pilot Rate to increase publicly-available fast charging (approved by City Council on November 20)
- Electric Car Discount Program
- Shore power rate in collaboration with Port of Tacoma
- Tacoma Power EV strategic plan



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INITIATIVES IN DEVELOPMENT



- Pierce Transit Partnership for TPU Electric Vanpools
- Residential EV Charging Study
- Potential Volkswagen Settlement Proposals
 - Shore power
 - Electric school buses
- Electric Vehicle Supply Equipment (charging) Investments Partnership Program
- Legislative Advocacy

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ISSUES



- Need to ensure electric vehicle charging capability at commercial and multi-family development
- Identify solutions for single-family home residents that do not have off-street parking options for charging an electric vehicle
- Need to increase publicly-available electric vehicle charging throughout the city
- Tacoma Public Utilities' ability to support electrifying transportation is constrained by current law

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RECOMMENDATIONS



- Land Use and Building Code clean-up
- Increase availability of charging options
- Leading by example
- State legislative advocacy
- Research incentive options

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● ● ● HEALTH, EQUITY & SUSTAINABILITY ANALYSIS



- Increased power sales could help Tacoma Power keep rates as low as possible.
- Transportation electrification initiatives promote community health in Tacoma by reducing air pollution.
- Initiatives like the Electric Car Discount Program help reduce barriers to EV mobility.
- EV adoption contributes to household prosperity as owners realize savings from fuel and maintenance associated with petroleum-fueled vehicles.

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● ● ● OUTREACH



- Communications and outreach to announce private right-of-way charging pilot program
- Stakeholder engagement for Tacoma Power EV strategic plan in 2019
- Stakeholder engagement for potential Building Code amendments in 2019

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NEXT STEPS



- IPS Committee for Private Right-of-Way Charging Pilot Program– February 13, 2019
- IPS Committee for Land Use Code Minor Amendments– Spring, 2019
- IPS Committee for Building Code Amendments– Late Spring, 2019

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