



Low Carbon Transportation Research at the California Air Resources Board

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Research Context

California's zero emission vehicle (ZEV) goals:

- 1.5 million by 2025
- 5 million by 2030

California's ZEV purchase incentives:

- Clean Vehicle Rebate Project
 - Since 2011, new vehicles
- Enhanced Fleet Modernization Program Plus up
 - Since 2015, new and used vehicles



Study Outline

Examine the early used plug-in electric vehicle market through

a) Survey of used plug-in electric vehicle owners

1. Who buys these vehicles and why
2. Awareness of PEVs and incentives
3. Factors affecting price
4. Usage of vehicles

b) Analysis of vehicle sales data

1. Role of purchase incentives on exports
2. Barriers to purchase



For More Information

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CARB's Research Seminars and Project Page:

<https://www.arb.ca.gov/research/seminars/seminars.htm>

https://www.arb.ca.gov/research/single-project.php?row_id=65236

CARB's Low Carbon Transportation Research:

<https://ww2.arb.ca.gov/research/research-program-transportation-choices>

CARB's Sustainable Communities Research:

<https://ww2.arb.ca.gov/research/research-program-sustainable-communities>



Today's Research Seminar Presentation

The Dynamics of Plug-In Electric Vehicles in the Secondary Market and their Implications for Vehicle Demand, Durability, and Emissions

Presenters:

Dr. Gil Tal

Plug-in Hybrid & Electric Vehicle Research Center
UC Davis

Dr. David Rapson
Department of Economics
UC Davis

