

Low Carbon Transportation Research at the California Air Resources Board

Melanie Zauscher

March 21, 2019





What Does CARB Research Support?

Low Carbon Transportation research that helps us:

- ▶ Combat climate change
- ▶ Meet air quality standards
- ▶ Create healthier communities
- ▶ Work toward equality in access to clean transportation options

Learn more about CARB's Low Carbon Transportation research:

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



Context: California Goals

Zero-emission vehicle (ZEV) goals

- ▶ 1.5 million by 2025 and 5 million by 2030

Increasing transportation equity

- ▶ Overcoming barriers to clean transportation access
- ▶ Clean transportation equity incentives
 - **Clean Vehicle Rebate Project:** incentive for new ZEV with increased rebates for low- and moderate-income consumers
 - **Clean Cars 4 All:** incentive within certain disadvantaged communities to scrap functioning high-polluting vehicle and replace with new or used clean vehicle
 - **Clean Vehicle Assistance Program:** provides fair and affordable financing and grants for clean vehicles to low-income consumers



Study Motivation

- ▶ Inform CARB's transportation equity programs
 - ▶ What amounts and what type of new and used vehicle purchase incentives could make the biggest impact while still being cost-effective?
 - ▶ Provide further insights into barriers to clean transportation access by low- and moderate-income Californians



Today's Research Seminar

“Designing Light-Duty Vehicle Incentives for Low-and Moderate-Income Households”

Presenters:

Drs. J.R. DeShazo & Greg Pierce
UCLA Luskin Center



For More Information

CARB's Low Carbon Transportation Research:

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

CARB's Low Carbon Transportation Incentives:

<https://ww2.arb.ca.gov/our-work/programs/low-carbon-transportation-investments-and-air-quality-improvement-program>

CARB's Accessible Clean Transportation Options:

<https://ww2.arb.ca.gov/our-work/programs/accessible-clean-transportation-options-sb-350>

Melanie Zauscher

(916) 322-0516

melanie.zauscher@arb.ca.gov