TEEJAG

Transportation Equity and Environmental Justice Advisory Group

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The Transportation Equity and Environmental Justice Advisory Group (TEEJAG), is an advisory body dedicated to providing feedback on current and future research conducted by the Climate Smart Communities Consortium (CSCC). Funded by the Strategic Growth Council, the CSCC is a multi-university initiative dedicated to leveraging existing knowledge on climate-smart transportation, strategically generating new research, and partnering with community-based organizations, non-governmental organizations, government agencies, and the private sectors to apply this knowledge for maximum impact on public policy.

The TEEJAG includes leaders committed to social and environmental justice and reducing transportation-related greenhouse gas emissions in disadvantaged communities throughout California. It provides an open and ongoing forum for generating ideas, providing guidance on current and future research projects, sharing and discussing implications of research results, identifying future research needs, and developing best practices and policy strategies that put research findings into action. The TEEJAG, in partnership with CSCC researchers, will identify solutions that are co-developed, evaluated and implemented with regional, city and county leaders, and community members. The TEEJAG will also produce environmental justice research guidelines to ensure that CSCC research is conducted in a way that honors community experience and enhances community well-being.

Transportation is responsible for almost half of GHG emissions in California, taking into account refinery emissions, and is a principal source of local air pollution (California Air Resources Board, 2016). Despite considerable progress, transportation-related environmental impacts remain substantial and fall disproportionately on the most vulnerable populations. The challenge for California is to reduce these impacts while meeting the mobility needs of society, fostering healthy and equitable communities, and supporting economic growth. An equitable transportation system is one that offers all users affordable, convenient, and reliable access to destinations in a manner that does not create disproportionate environmental, social, or economic impacts for people on the basis of race, color, national origin, income, or other factors. The CSCC approach is twofold: 1) expand the research foundation to inform strategies for reducing transportation-related GHG emissions, with a focus on disadvantaged communities; and 2) collaborate with and support CBOs, NGOs, public agencies, and the private sector to translate research into strategies that reduce GHG emissions, create a healthier and more equitable society, and support economic growth.

The CSCC's research program is organized around five interrelated areas (described to the right) with equity and policy engagement serving as cross-cutting themes throughout.

INNOVATIVE MOBILITY

Innovative forms of mobility are proliferating, including car-sharing, ridesourcing or transportation network companies (TNC), ridesharing (i.e., carpooling/vanpooling), micro-transit, high-tech company shuttles, and bike-sharing (Shaheen et al., 2016).



PUBLIC TRANSIT

Despite major investments in public transportation, transit ridership is declining in California (Manville, Taylor, & Blumenberg, 2018). The traditional model for providing public transit must evolve quickly so as to reduce vehicle use and serve disadvantaged travelers.

LAND USE AND ACTIVE

California's SB 375 provides the framework for integrating land use and transportation as a means of reducing vehicle use and GHG emissions.



compared to passenger travel.

RESEARCH PARTNERS

Central Valley Regional Initiative • Research Team Lead: UC Davis – Dan Sperling + Austin Brown

• This initiative includes the following research projects:

- Improving the Mobility in Rural, Disadvantaged Communities (supported by a \$2.25 million grant from the California Air Resources Board (ARB)

Transitioning to Zero Emission Vehicles (ZEVs)

• Research Team Leads: UC Davis – Gil Tal;

- UCLA J.R. DeShazo, Gregory Pierce
- This project will be implemented through the following tasks:
- Designing Policies to Support Electrification of Ridesharing Fleets

- Developing Electric Vehicle Infrastructure Planning Tools for Communities

Inland Empire Regional Initiative

Research Team Leads: UCR CE-CERT
Matt Barth; UCR CSI – Karthick
Ramakrishnan; UCLA Luskin – J.R.
DeShazo; UCI ITS – Steve Ritchie
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This initiative includes the following research projects:

- Shared, Electric, Connected, and Automated (SECA) Transportation in the City of Riverside

- Reducing Impacts of Goods Movement

Leveraging the Three Revolutions to Create Equitable and Sustainable Communities

 Research Team Leads: UC Berkeley – Susan Shaheen, Joan Walker; Lawrence Berkeley National Laboratory – Jeffery Greenblatt; UC Davis – Daniel Sperling, Austin Brown; UCLA – J.R. DeShazo
This project will be implemented through the following tasks:

- Fleet Modeling

- Low-Income On-Demand Transportation Pilot Program

- TNC Electrification
- Three Revolutions Policy Development

Southeast Los Angeles (SELA) Initiative • Research Team Leads: USC – Genevieve Giuliano, Marlon Boarnet; UC Davis – Miguel Jaller; UCLA – J.R. DeShazo, Gregory Pierce

This initiative includes the following three

- research projects:
 - Public transit service analysis
 - First/last mile options
 - Promoting ZEVs