

-- SNAPSHOT --**STEPS (Sustainable Transportation Energy Pathways)****TECHNICAL ASSISTANCE AGREEMENT 600-11-005****WITH THE CALIFORNIA ENERGY COMMISSION****OCT. 31, 2012 – JUN. 30, 2015****Goal of the Agreement**

The goal of this agreement is to help the Energy Commission to compare the value, benefits, and drawbacks of all types of alternative fuels and fuel uses and further the Energy Commission's goals of promoting and utilizing environmentally responsible fuels and vehicles and reducing GHGs in California.

Primary contacts:

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- *Paul Gruber*, Contract Manager (UC Davis); NextSTEPS Executive Director – pwgruber@ucdavis.edu

Tasks**Task 1: Agreement Management***Leader: Paul Gruber – pwgruber@ucdavis.edu*

- The goal of this task is to establish the lines of communication and procedures for implementing this Agreement.

Task 2: Transition Scenarios for Alternative Fuels and Vehicles in California (NextSTEPS Project # CEC2.NS86)*Leader: Joan Ogden – jmogden@ucdavis.edu*

- The goal of this task is to provide the Energy Commission with two overarching research updates on scenarios and transition strategies of the planned and potential rollouts of alternative vehicles and fuels in California, in order to help inform the Energy Commission's investment decisions.

Task 3: Consumer Behavior and Vehicle Choice: Longitudinal Tracking Study (CEC3.NS38)*Leader: Ken Kurani - knkurani@ucdavis.edu*

- The goal of this task is to provide the Energy Commission with critical data on consumer perceptions and use of light-duty alternative vehicles over time, which can be used as input to develop strategies for market growth and infrastructure development. Ultimately, the management tools recommended by this study will inform the Commission's mission to forecast transportation fuel demand, retail fuel prices, and shifts in fuel types and vehicle types.

Task 4: Biofuel Investment Strategies (CEC4.NS87)*Leader: Lew Fulton - lmfulton@ucdavis.edu*

- The goal of this task is to provide information and develop scenarios for biofuel investments and deployment in California, to help inform the Energy Commission's work on meeting national and state mandates for low carbon fuels.

Task 5: Best Policy and Incentive Strategies (CEC5.NS88)*Leader: Sonia Yeh - slyeh@ucdavis.edu*

- The goal of this task is to advise the Energy Commission on possible policy tools to address ARFVTP goals and to spur the successful early stage development of alternative vehicles and fuels.

Task 6: Fuel Availability and Choice (CEC6.NS42)*Leader: Ken Kurani - knkurani@ucdavis.edu*

- The goal of this task is to inform the Energy Commission on the role of refueling and recharging infrastructure scenarios in driving consumer behavior and adoption of alternative vehicles (EVs, PHEVs, and biofuel vehicles) in California.

Task 7: Technology Training for Transportation Division Staff*Leader: Joan Ogden - jmogden@ucdavis.edu*

- The goal of this task is to provide two training workshops for up to 50 Energy Commission staff members to build technology awareness on alternative transportation fuels and vehicles.

Task 8: Low Carbon Options for Non-Light Duty Vehicle (LDV) Subsectors (CEC8.NS28)*Leader: Lew Fulton - lmfulton@ucdavis.edu*

- The goal of this task is to assess low carbon options for all non-light duty vehicle (LDV) subsectors (trucks, buses, rail, marine, and aviation), to help the Energy Commission's deliberations in addressing AB 118 for non-LDV transportation sub-sectors.

Task 9: Detailed Assessment of Natural Gas as a Transportation Fuel (CEC9.NS18)*Leader: Amy Jaffe - abmjaffe@ucdavis.edu*

- The goal of this task is to provide the Energy Commission with a detailed assessment of natural gas - including CNG, LNG, propane, and biogas - as a transportation fuel in California.

Task 10: Biorefinery Case Studies for Biofuels Production in California (CEC10.NS54)*Leader: Steve Kaffka - srkaffka@ucdavis.edu*

- The goal of this task is to provide the Energy Commission with case studies of potential biomass feedstock sources in California.

Task 11: Plug-in Hybrid & Electric Vehicle (PEV) Dealership Study (CEC11.NS70)*Leaders: Tom Turrentine, Eric Cahill - tturrentine@ucdavis.edu, eccahill@ucdavis.edu*

- The goal of this task is to inform the Energy Commission on the role of new car dealerships in the development of a market for PEVs.