

NOTICE OF PUBLIC MEETING

STATE OF CALIFORNIA
Air Resources Board

Research Screening Committee

A meeting of the California Air Resources Board's (CARB or Board) Research Screening Committee (RSC) will be held at the time and place specified below (see attached agenda). The RSC reviews projects funded or proposed for funding by CARB, and provides advice and recommendations to the Board. The RSC will review relevant written comments received on the scientific methods or other scientific aspects of the research projects.

TO SUBMIT WRITTEN COMMENTS ON AN AGENDA ITEM IN ADVANCE OF THE MEETING, EMAIL TO: Monica Vejar at monica.vejar@arb.ca.gov by close of business, August 22, 2017. There will be a three minute time limit for those who wish to provide oral comments on an agenda item.

The notice and agenda items to be discussed are on the CARB Internet site at <http://www.arb.ca.gov/research/rsc/rsc.htm>.

Date: August 25, 2017
Time: 9:00 a.m.
Place: Cal/EPA Headquarters Building
1001 I Street, Conference Room 510
Sacramento, California 95814

If you have any questions regarding this meeting, please contact Bart E. Croes, P.E., Chief, Research Division, Air Resources Board, P.O. Box 2815, Sacramento, California 95812, at (916) 323-4519, or bart.croes@arb.ca.gov.

If you require a special accommodation, please contact Monica Vejar, RSC Coordinator, at (916) 322-3707 or monica.vejar@arb.ca.gov, as soon as possible, but no later than 10 business days before the scheduled meeting. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.


for Richard W. Corey
Executive Officer

Dated: 8/11/17

Attachment

Location #2

1210 Woodside Drive
San Luis Obispo, California 93401

Location #3

Dept. of Mechanical & Aerospace Engineering
555 Engineering Building Unit 2
University of California, San Diego
La Jolla, California 92093-0411

Location #4

412C Wurster Hall
University of California, Berkeley
Berkeley, California 94720

Location #5

Health Effects Institute
101 Federal Street, Suite 500
Boston, Massachusetts 02110

Location #6

Dept. of Atmospheric & Oceanic Sciences
405 Hilgard Avenue
7127 Math Science Building
University of California, Los Angeles
Los Angeles, California 90095

Location #7

51-295 CHS, Fielding School of Public Health
650 Charles Young Drive South
University of California, Los Angeles
Los Angeles, California 90095

Location #8

UCLA Luskin School of Public Affairs
337 Charles E. Young Drive, Suite 3333
University of California, Los Angeles
Los Angeles, California 90095-1656

Location #9

South Coast Air Quality Management District
Planning, Rule Development & Area Sources
21865 Copley Drive
Diamond Bar, California 91765-4178

**State of California
AIR RESOURCES BOARD**

**Research Screening Committee Meeting
Cal/EPA Headquarters Building
1001 I Street
Conference Room 510, 5th Floor
Sacramento, California 95814
(916) 445-0753**

**August 25, 2017
9:00 a.m.**

AGENDA

- I. Approval of Minutes of Previous Meeting:

March 30, 2017
- II. Discussion of Requests for Proposals (RFP):
 1. "Development of Real-Time, Portable Measurement Method for Detecting, Screening, and Quantifying Airborne Toxic Metal Concentrations," \$400,000, RFP No. 17RD022
 2. "Measuring Emissions from the On-Road Vehicle Fleet in West Los Angeles," \$40,000, RFP No. 17RD015
 3. "Identify Outlier LDV Makes and Models of Light-Duty Vehicles Using RSD Data," \$75,000, RFP No. 17RD014
- III. Discussion of Contract Multiple Award Schedule (RFO) Solicitations:
 1. "Policy, Planning, and Program Frameworks for Zero-Net Carbon Communities," \$250,000, RFO No. 17RD020
 2. "Brake and Tire Wear Emissions," \$350,000, RFO No. 17RD016
- IV. Discussion of New Research Projects:
 1. "A Tool to Prioritize Sources for Reducing High PM_{2.5} Exposures in Environmental Justice Communities in California," University of Texas, Austin, \$180,000, Proposal No. 2805-287
 2. "Combined Exposure to UFPM and Ozone: Characterization of Particulate Deposition, Pulmonary Oxidant Stress and Myocardial Injury," University of California, Davis, \$196,806, Proposal No. 2806-287

3. "Characterization of Air Toxics and Greenhouse Gas Emission Sources, and their Impacts on Community-Scale Air Quality Levels in Disadvantaged Communities," FluxSense, \$225,000, Proposal No. 2807-287
4. "Effects of Brake and Tire Wear on Particulate Matter Composition, Reactive Oxygen Species, Placental Development and Birth Outcomes in Los Angeles," University of California, Los Angeles, \$458,814, Proposal No. 2808-287
5. "Geofencing as a Strategy to Lower Emissions in Disadvantaged Communities," University of California, Riverside, \$300,224, Proposal No. 2809-287
6. "Emissions Impact of Connected and Automated Vehicle Deployment in California," University of California, Davis, \$220,000, Proposal No. 2810-287
7. "Activity Data of Off-Road Engines in Construction," University of California, Riverside, \$200,000, Proposal No. 2811-287
8. "Spatial Variation of Vertical Ozone Distribution Over California," National Aeronautics and Space Administration, \$65,548, Proposal No. 2812-287
9. "Long-Term Characterization of Fine PM Chemical Composition in the San Joaquin Valley," University of California, Davis, \$320,000, Proposal No. 2813-287

V. Discussion of Proposed Contract Augmentations:

1. "Advanced Plug-In Electric Vehicle Travel and Charging Behavior," University of California, Davis, \$75,000, Contract No. 12-319
2. "Characterizing the Climate Impacts of Brown Carbon," University of California, San Diego, \$50,000, Contract No. 13-330

VI. Discussion of Draft Final Reports:

1. "Protocol Development for Vehicle Emission Toxicity Testing for Particulate Matter," University of California, Davis, \$100,000, Contract No. 14-305
2. "Co-Exposure to PM and O₃: Pulmonary C Fiber Platelet Activation in Decreased HRV," University of California, Davis, \$600,782, Contract No. 13-311
3. "Cardiovascular Effects of Multipollutant Exposure: Mechanisms and Interactions," University of California, Irvine, \$740,425, Contract No. 13-309
4. "The Development of Lifecycle Data for Hydrogen Fuel Production and Delivery," University of California, Davis, \$250,000, Contract No. 14-318
5. "Improving DNDC Modeling Capability to Quantify Mitigation Potential of Nitrous Oxide from California Agricultural Soils," University of New Hampshire, \$199,271, Contract No. 14-306