

CALIFORNIA AIR RESOURCES BOARD

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

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

ACTION

RSC Members in Attendance via teleconference

Harold Cota
Forman William
Suzanne Paulson
Bill Eisenstein
Philip Fine
Rashid Shaikh
Yifang Zhu
J.R. Deshazo

The Research Screening Committee convened the meeting at 9:05 a.m.

I. Approval of Minutes of Previous Meeting:

- Approved

II. Discussion of Responses to 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
 - Approved
2. "Measuring Emissions from the On-Road Vehicle Fleet in West Los Angeles," \$40,000, RFP No. 17RD015
 - Approved
3. "Identify Outlier LDV Makes and Models of Light-Duty Vehicles Using RSD Data," \$75,000, RFP No. 17RD014
 - Approved

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

- Approved
2. "Brake and Tire Wear Emissions," \$350,000, RFO No. 17RD016

- Approved

IV. Discussion of New Research Projects:

1. "A Tool to Prioritize Sources for Reducing High PM2.5 Exposures in Environmental Justice Communities in California," University of Texas, at Austin, \$180,000, Proposal No. 2805-287

- Approved
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

- Approved
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

- Approved
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. 2808-2875

- Approved
5. "Geofencing as a Strategy to Lower Emissions in Disadvantaged Communities," University of California, Riverside, \$300,224, Proposal No. 2809-287

- Approved
6. "Emissions Impact of Connected and Automated Vehicle Deployment in California," University of California, Davis, \$220,000, Proposal No. 2810-287

- Approved

7. "Activity Data of Off-Road Engines in Construction," University of California, Riverside, \$200,000, Proposal No. 2811-287

- Approved

8. "Spatial Variation of Vertical Ozone Distribution Over California," National Aeronautics and Space Administration, \$65,548, Proposal No. 2812-287

- Approved

9. "Long-Term Characterization of Fine PM Chemical Composition in the San Joaquin Valley," University of California, Davis, \$320,000, Proposal No. 2813-287

- Approved

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

- Approved

2. "Characterizing the Climate Impacts of Brown Carbon," University of California, San Diego, \$50,000, Contract No. 13-330

- Approved

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

- Approved

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

- Approved

3. "Cardiovascular Effects of Multipollutant Exposure: Mechanisms and Interactions," University of California, Irvine, \$740,425, Contract No. 13-309

- Approved

4. "The Development of Lifecycle Data for Hydrogen Fuel Production and Delivery," University of California, Davis, \$250,000, Contract No. 14-318
 - Approved

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
 - Approved

The meeting adjourned at 11:15 a.m.