

**State of California
AIR RESOURCES BOARD**

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

**May 17, 2013
9:00 a.m.**

ACTION

- I. Approval of Minutes of Previous Meeting
March 8, 2013
 - Approved

- II. Draft Final Reports
 - 1) "Study of In-Use Emissions from Diesel Off-Road Equipment," University of California, Riverside, \$300,000, Contract No. 08-315
 - Approved
 - 2) "Integrated Physical and Chemical Measurements of Heavy-Duty Diesel Emissions at WVU Full Scale Wind Tunnel," University of California, Davis, \$419,914, Contract No. 08-322
 - Tabled
 - 3) "Improved Characterization of Primary and Secondary Carbonaceous Particles," University of California, San Diego, \$255,000, Contract No. 09-328
 - Approved

- III. New Research Projects
 - 1) "Examining Factors that Influence ZEV Sales in California," University of California, Los Angeles, \$295,377, Proposal No. 2758-276
 - Approved

- 2) "The Future of Drop-In Fuels: Life-Cycle Cost and Environmental Impacts of Bio-Based Hydrocarbon Fuel Pathways," University of California, Berkeley, \$400,000, Proposal No. 2759-276
-- Approved
- 3) "The Feasibility of Renewable Natural Gas as a Large-Scale, Low-Carbon Substitute," University of California, Davis, \$330,934, Proposal No. 2760-276
-- Approved
- 4) "Collection of Activity Data from On-Road Heavy-Duty Diesel Vehicles," University of California, Riverside, \$371,724, Proposal No. 2761-276
-- Approved
- 5) "Air Quality Impacts of Low Vapor Pressure-Volatile Organic Compounds," University of California, Riverside, \$405,338, Proposal No. 2757-276
-- Approved
- 6) "Environmental Fate of Low Vapor Pressure – Volatile Organic Compounds from Consumer Products: A Modeling Approach," University of California, Davis, \$200,000, Proposal No. 2762-276
-- Approved
- 7) "Co-Exposure to Particulate Matter and Ozone: Pulmonary C-fiber and Platelet Activation in Decreased Heart Rate Variability," University of California, Davis, \$600,782, Proposal No. 2763-276
-- Approved
- 8) "Cardiovascular Effects of Multi-Pollutant Exposure: Mechanisms and Interactions," University of California, Irvine, \$600,782, Proposal No. 2764-276
-- Approved
- 9) "Developing a New Methodology for Analyzing Potential Displacement," University of California, Berkeley, \$695,792, Proposal No. 2765-276
-- Approved

10) "Effectiveness of Sound Wall-Vegetation Combination Barriers as Near-Roadway Pollutant Mitigation Strategies," University of California, Los Angeles, \$516,139, Proposal No. 2766-276

-- Approved

IV. Response to a Request for Proposals

1) "Evaluating Technologies and Methods to Lower Nitrogen Oxide Emissions from Heavy-Duty Vehicles," Southwest Research Institute, \$1,599,744, Proposal No. 2767-27

-- Approved