

**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