

**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**

**January 31, 2014  
9:00 a.m.**

**ACTION**

I. Approval of Minutes of Previous Meeting:

October 18, 2013 meeting

-- Approved

II. Discussion of a New Research Project:

1) "Characterizing the Climate Impacts of Brown Carbon," \$452,500, University of California, San Diego, Proposal No. 2768-277

-- Approved

III. Discussion of a Request for Proposals (RFPs):

1) "Evaluation of the Impacts of Emissions Averaging and Flexibility Programs for all Tier 4 Final Off-Road Diesel Engines," \$300,000, RFP No. 14-301

-- Approved

IV. Discussion of Draft Final Reports:

1) "Behavioral Responses to Real-Time Individual Energy Usage Information: A Large Scale Experiment," University of California, Los Angeles, \$322,003, Contract No. 10-332

-- Approved

- 2) "Behavior Strategies to Bridge the Gap Between Potential and Actual Savings in Commercial Buildings," University of California, Davis, \$134,981, Contract No. 09-327  
-- Approved
- 3) "Location Specific Systemic Health Effects of Ambient Particulate Matter," University of California, Davis, \$285,866, Contract No. 10-302  
-- Approved
- 4) "Peripheral Blood Gene Expression in Subjects with Coronary Artery Disease and Exposure to Particulate Air Pollutant Components and Size Fractions," University of California, Irvine, \$274,931, Contract No. 09-341  
-- Approved
- 5) "Using Remote Sensing to Quantify Albedo of Roofs in California's Seven Largest Cities," Lawrence Berkeley National Laboratory, \$250,000, Contract No. 10-321  
-- Approved
- 6) "Understanding Primary Organic Aerosol Volatility at Atmospherically Realistic Concentrations for the SIP Analysis," University of California, Davis, \$309,769, Contract No. 10-313  
-- Approved
- 7) "Three-Dimensional Measurements of Aerosol Mixing State during CalNex Using Aircraft Aerosol Time-Of-Flight Mass Spectrometry," University of California, San Diego, \$400,000, Contract No. 09-333  
-- Approved
- 8) "Extended Analysis of the CARES Aerosol Chemistry Data to Characterize Sources and Processes of Organic Aerosol in the Sacramento Valley of California," University of California, Davis, \$155,000, Contract No. 10-305  
-- Approved
- 9) "AMAX-DOAS Trace Gas Column Observations from Research Aircraft Over California," University of Colorado, Denver, \$549,999, Contract No. 09-317  
-- Approved
- 10) "Synthesis of Policy Relevant Findings from the CalNex 2010 Field Study," National Oceanic and Atmospheric Administration, \$252,378, Contract No. 10-326

-- Approved

- 11) "Calibrating, Validating, and Implementing Process Models for California Agriculture Greenhouse Gas Emissions," University of New Hampshire, \$249,688, Contract No. 10-309

-- Approved

- 12) "Modeling Optimal Transition Pathways to a Low Carbon Fuel Economy in California," University of California, Davis, \$278,356, Contract No. 09-346

-- Approved