

**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**

**March 28, 2014
9:00 a.m.**

ACTION

I. Approval of Minutes of Previous meeting:

January 31, 2014

-- Approved

II. New Research Projects:

1) "Aerodynamic GHG Emissions Reduction Assessment of Non-53-foot Trailers Pulled by Heavy-Duty Tractors," University of California, Riverside, \$500,000, Proposal No. 2770-278

-- Tabled

2) "Evaluation of the Impacts of Emissions Averaging and Flexibility Programs for all Tier 4 Final Off-Road Diesel Engines," University of California, Riverside, \$300,000, Proposal No. 2774-278.

-- Approved

3) "Evaluation of the Feasibility, Cost-effectiveness, and Necessity of Equipping Small Off Road Diesel Engines with Advanced PM and/or NO_x Aftertreatment," University of California, Riverside, \$800,000, Proposal No. 2769-278

-- Approved

4) "Reducing Formaldehyde Emissions from Home Central Heating and Air Conditioning Filters," Lawrence Berkeley National Laboratory, \$350,000, Proposal No. 2771-278

-- Approved

5) "Protocol Development for Vehicle Emission Toxicity Testing for Particulate Matter," University of California, Davis, \$100,000, Proposal No. 2772-278

-- Approved

6) "Improving DNDC Modeling Capability to Quantify Mitigation Potential of Nitrous Oxide from California Agricultural Soils," University of New Hampshire, \$199,797, Proposal No. 2773-278

-- Approved

III. Draft Final Reports:

1) "Central Nervous System Effects of Ambient Particulate Matter: The Role of Oxidative Stress and Inflammation," University of California, Irvine, \$309,141, Contract No. 08-306

-- Approved

2) "Air Movement as an Energy Efficient Means Toward Occupant Comfort," University of California, Berkeley, \$170,000, Contract No. 10-308

-- Approved

3) "Construction of a DOAS Instrument for Installation at the California Air Resources Board for the Low Level Measurement of Sulfur Dioxide to Investigate the Relation Between Sulfur Dioxide and Sulfate," University of California, Riverside, \$90,004, Contract No. 10-312

-- Approved

4) "Improving Regional Biogenic Volatile Organic Compound Emission Estimates Using an Airborne PTRMS EDDY Flux Measurement System," University of California, Berkeley, \$400,000, Contract No. 09-339

-- Approved

IV. Discussion of Other Business:

1) "Using Feedback from Commercial Buildings to Support Energy-Conserving Behavior," University of California, Berkeley, \$184,260, Contract No. 10-310

-- No action necessary.