

**State of California  
AIR RESOURCES BOARD**

**Research Screening Committee Meeting  
Cal/EPA Headquarters Building  
1001 I Street  
Conference Room 550  
Sacramento, California 95814  
(916) 445-0753**

**July 20, 2007  
9:00 a.m.**

**ACTION**

**Request for Proposals**

1. "Development of a California-Specific Intermodal Freight Transport Model,"  
RFP No. 07-314, \$200,000

-- Approved

2. "Developing a California Inventory for Ozone Depleting Substance and  
Hydrofluorocarbon Banks and Emissions from Foams," RFP No. 07-312, \$250,000

-- Approved

3. "Developing a California Inventory for Selected Applications of Perfluorocarbons,  
Sulfur Hexafluoride, Hydrofluorocarbons, Nitrogen Trifluoride, Hydrofluoroethers, and  
Ozone Depleting Substances," RFP No. 07-313, \$200,000

-- Approved

4. "The California Climate Change Industry: the Current Market and Prospect for  
Growth in the Global Economy," RFP No. 07-315, \$200,000

-- Approved

**Sole Source Proposals**

5. "On-Road Motor Vehicle Emissions Measurements Including Ammonia, Sulfur  
Dioxide, and Nitrogen Dioxide," University of Denver, \$90,042,  
Proposal No. 2632-257

-- Approved

6. "Improved Geospatial Forecasting of Commercial Marine Vessels," University of Delaware, \$47,954, Proposal No. 2635-257

-- Approved

### **Interagency Proposals**

7. "Cardiopulmonary Health Effects: Toxicity of Semi-volatile and Non-volatile Components of Ultrafine PM," University of California, Irvine, \$501,484, Proposal No. 2633-257

-- Approved

8. "In-vehicle Air Pollution Exposure Measurement and Modeling for Pregnant Women in the National Children's Study," University of California, Irvine, \$500,000, Proposal No. 2636-257

--Not approved. The Committee requested that the revised proposal be taken back to the next Research Screening Committee Meeting for approval.

9. "Is Disparity in Asthma Among Californians due to Higher Pollutant Exposures, Greater Susceptibility, or Both?" University of California, Los Angeles, \$299,794, Proposal No. 2637-257

-- Approved

10. "Assessing Near-Field Exposures from Distributed Residential Wood Smoke Combustion Sources," California Polytechnic State University, San Luis Obispo, \$320,286, Proposal No. 2634-257

-- Approved

11. "Using Lead and Strontium Isotopes to Assess Asian Aerosol Impacts in Urban and Interior California," University of California, Berkeley, \$48,983, Proposal No. 2639-257

-- Approved

12. "Evaluation of Efficiency Activities in the Industrial Sector Undertaken in Response to Greenhouse Gas Emission Reduction Targets," University of California Berkeley/Lawrence Berkeley National Laboratory, \$95,000, Proposal No. 2638-257

-- Approved

13. "Retail Climate Change Mitigation: Life-Cycle Emission and Energy Efficiency Labels and Standards," University of California, Berkeley, \$135,000, Proposal No. 2640-257

-- Approved

#### **Draft Final Reports**

14. "Monitoring and Modeling of Ultrafine Particles and Black Carbon at the Los Angeles International Airport," University of California, Los Angeles, \$117,986, Contract No. 04-325

-- Approved

15. "Documentation of the SAPRC-07 Chemical Mechanism and Updated Ozone Reactivity Scales" University of California, Riverside, \$166,132, Contract No. 03-318

-- Approved

16. "The Collection and the Development of Exhaust Speciation Profiles from Modern Commercial Jet Aircraft Engines," University of Missouri, \$259,960, Contract No. 04-344

-- Approved

17. "Nighttime Chemistry: Observations of  $\text{NO}_3$  and  $\text{N}_2\text{O}_5$ ," University of California, Berkeley, \$122,778, Contract No. 04-335

-- Rejected

#### **Other Business**

18. 2008-2009 Research Solicitation

-- Comments were provided by the Committee.

19. Update on "Toxicity of Source-Oriented Ambient Aerosol," University of California, Davis, Contract No. 06-331

-- No action necessary.