

NOTICE OF PUBLIC MEETING

STATE OF CALIFORNIA
Air Resources Board

Research Screening Committee

The Air Resources Board's (ARB) Research Screening Committee will hold a public meeting at the time and place specified below to review and consider two sole source proposals, one contract augmentation, twelve interagency proposals, and two final reports. The above items for review and approval, and any other matters that will be presented at the meeting are listed on the attached agenda.

Date: October 28, 2005
Time: 8:30 a.m.
Place: Cal/EPA Headquarters Building
1001 I Street, Room 550
Sacramento, California 95814

If you have any questions regarding this meeting, please contact Bart E. Croes, P.E., Chief, Research Division, Air Resources Board, P.O. Box 2815, Sacramento, California 95812, at (916) 323-4519, or bcroes@arb.ca.gov.

This notice and the advance agenda containing a brief summary of the items are available on the ARB Internet site at <http://www.arb.ca.gov/research/rsc/rsc/htm>. To obtain this document in an alternative format, please contact the ARB Americans with Disabilities Act Coordinator at (916) 323-4916, TDD (916) 324-9531, or (800) 700-8326 for TDD calls outside the Sacramento area.

/s/

Catherine Witherspoon
Executive Officer

Dated: October 14, 2005

Attachment

The energy challenge facing California is very real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at www.arb.ca.gov

Location #2:

Center for Occupational &
Environmental Health
San Francisco General Hospital
1001 Potrero Avenue
Building 30, 5th Floor
San Francisco, CA 94110
Phone: 415-206-5200

Location #3:

Environmental Protection Agency
National Health and Environmental
Effects Research Laboratory
Research Triangle Park, NC 27711
Phone: 919-966-6255

Location #4:

4518 Whisper Way Road
Troy, MI 48098

Location #5:

Center of Environmental Studies &
Department of Community Health,
School of Medicine
135 Angell Street, Box 1943
Providence, RI 02912
Phone: 401-863-9429

**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**

**October 28, 2005
8:30 a.m.**

AGENDA

<u>Minutes of Previous Meeting</u>		<u>Page</u>
July 21, 2005		v
 <u>Sole Source Proposals</u>		
1. "Fine-Scale Spatial and Temporal Variability of Particle Number Concentrations within Communities and in the Vicinity of Freeway Sound Walls", University of Southern California, \$461,334, Proposal No. 2600-250	Scott Fruin	1
2. "Physicochemical and Toxicological Assessment of the Semi-Volatile and Non-Volatile Fractions of PM from Heavy- and Light-Duty Vehicles Operating with and without Emissions Control Technologies", University of Southern California, \$677,950, Proposal No. 2592-250	Jorn Herner	7
 <u>Contract Augmentation</u>		
3. "Augmentation to Ventilation and Indoor Air Quality in New Homes", Indoor Environmental Engineering, \$93,519, Augmentation to Contract No. 04-310, Proposal No. 2607-250	Tom Phillips	15

Interagency Proposals

- | | | |
|--|-------------------|----|
| 4. "Ultrafine Particle Concentrations in Schoolrooms and Homes", University of California, Berkeley, \$300,000, Proposal No. 2597-250 | Dorothy Shimer | 23 |
| 5. "Effects of Inhaled Fine and Ultrafine Particles on Lung Growth and Lung Disease", University of California, Irvine, \$450,446, Proposal No. 2605-250 | Deborah Drechsler | 31 |
| 6. "Differences in Inflammatory Responses to Exposures, of Concentrated Ambient Particles in Susceptible Volunteers", University of California, Los Angeles, \$599,776, Proposal No. 2601-250 | Ken Bowers | 41 |
| 7. "Impact of Reactive Halogen Species on the Air Quality in California Coastal Areas", University of California, Los Angeles, \$299,998, Proposal No. 2602-250 | William Vance | 47 |
| 8. "CO ₂ Emission Quantification from Vehicle Air Conditioning Operation in California-Specific Conditions ", California State University, Northridge, \$400,000, Proposal No. 2606-250 | Steve Church | 53 |
| 9. "Improved Estimates of Greenhouse Gas Emissions and Mitigation Options for the California Petroleum Sector", University of California, Berkeley, \$129,561.50 Proposal No. 2604-250 | Steve Church | 59 |
| 10. "On-Road Measurement of Light-Duty Gasoline and Heavy-Duty Diesel Vehicle Emission Trends", University of California, Berkeley, \$ 288,463, Proposal No. 2598-250 | Jim Pederson | 65 |
| 11. "Evaluation of the Proposed New European Methodology for Determination of Particle Number Emissions and its Potential in California for In-use Screening", University of California, Riverside, \$250,000, Proposal No. 2595-250 | Jorn Herner | 71 |

12. "Economic Value of Reducing Cardiovascular Disease Associated with Air Pollution", \$349,692, California State University, San Diego, Proposal No. 2599-250	Corey Bock	81
13. "Process-Based Farm Emission Model for Estimating Volatile Organic Compound Emissions from California Dairies", University of California, Davis, \$274,851 Proposal No. 2596-250	Kevin Cleary	89
14. "Light-duty Gasoline PM: Characterization of High Emitters and Valuation of Repairs for Emission Reduction", University of California, Riverside, \$249,827, Proposal No. 2603-250	Tao Huai	95
15. "Improving the Carbon Dioxide Emission Estimates from the Combustion of Fossil Fuels in California", University of California, Berkeley, \$77,100 Proposal No. 2594-250	Nehzat Motallebi	103

Final Reports

16. "Spatial and Temporal Characterization of Fine Particulate Matter Mass Concentrations in California, 1980-2002", \$34,915, Envair, Contract No. 03-350	Nehzat Motalebi	109
17. "Gas-Phase Formation Rates of Nitric Acid and its Isomers under Urban Conditions", \$180,000, California Institute of Technology, Contract No. 03-333	William Vance	115

Other Business

18. Executive Office Meeting		
19. Action Update		121