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Air Quality Subcommittee (AQS) Meeting

1:30 p.m., December 13, 2011

Pima Association of Governments
177 N. Church Ave., Transamerica Building
5th Floor Large Conference Room, Suite 501
Tucson, AZ 85701

Agenda

1. **Call to Order and Introductions**

2. **In-Kind Form**

3. **Call to Audience**

4. **Approval of the Sept. 13, 2011, Minutes**

   Discussion/Action:

   The Subcommittee will be asked to approve the AQS minutes of Sept. 13, 2011. Minutes can be found at:
   http://www.pagnet.org/documents/Committees/AQS/2011/AQS-2011-09-13-Minutes.pdf

5. **Announcements/Comments**

   Announcements are available at:
   http://www.pagnet.org/documents/committees/AQS/2011/AQS-2011-12-13-Announcements.pdf

6. **Children's Health Problems and Proximity to Roadway, Diesel Emissions**

   Information/Discussion:

   Dr. Paloma Beamer is an Assistant Professor of Environmental Health Sciences at the University of Arizona Mel and Enid Zuckerman College of Public Health and has a joint appointment in the Department of Chemical and Environmental Engineering. The goal of her research project is to determine if exposure to diesel-related pollutants as an infant causes alterations of the immune and respiratory systems that could result in early childhood wheezing or the development of asthma. Dr. Beamer will describe the methods to be used for this 5-year project and some preliminary results.

7. **Airborne Desert Dust Prediction in the Southwestern U.S.: Integrating Airborne Dust Concentration into Public Health Decision Support Systems**

   Information/Discussion:

   Arizona experienced at least eight significant dust events in 2011. One potential consequence was an estimated 3,600 new cases of Valley Fever in Maricopa County from the first storm alone. NASA support has made possible the development of new airborne dust forecast tools that can be applied today for public health and safety in the Southwest. Dr. Sprigg, University of Arizona's Institute of Atmospheric Physics, will summarize his research in reconstructing past periods of dust loading across the landscape, identifying particulate emission sources and other applications of these new forecasting tools.

8. **Air Quality Roundtable**

9. **Request for Future Agenda Items**

10. **Adjournment**

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