



Partnering • Planning • Projecting

Air Quality Subcommittee (AQS)

April 14, 2009

Pima Association of Governments

177 N. Church Ave., Suite 405
Tucson, AZ 85701

Announcements

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EVENTS OF INTEREST

Community Environmental Calendar

<http://www.pagnet.org/Programs/EnvironmentalPlanning/Calendar/tabid/540/Default.aspx>

Clean Air Days - April 1-30, 2009

A series of events promoting alternate modes of transportation will be held throughout the Tucson area during the month of April. For event information: <http://www.cleanair.pima.gov/>

Tucson Bike Fest 2009

The City of Tucson, Pima County and the Pima Association of Governments are sponsoring a series of events throughout the region during April to encourage bicycling. Contact: Jennifer Donofrio, (520) 837-6721; <mailto:jennifer.donofrio@tucsonaz.gov>. Calendar of events: <http://dot.tucsonaz.gov/bikefest/calendar.php>

University of Arizona's (UA) Environmental Summit

The Institute for Environment and Society is sponsoring a summit for UA faculty to present results from their cutting-edge environmental research on **April 22, 2009**, 1 to 5 p.m. on campus at the Gallagher Theater. The summit provides an opportunity for scientists to showcase their findings, build dialogue and develop future collaborations on themes such as water, climate change, ecosystems, energy, toxics, pollution and policy. For more information, <http://www.environment.arizona.edu/summit/index.html>

Spotlight Community Conversation on Climate Action

The City of Tucson, Pima County and the University of Arizona (UA) are hosting this free, public event to educate people about the reality and challenges of climate change, **April 22, 2009**, 8:00 a.m. to 12:00 p.m., at the UA Student Union main ballroom. Interactive sessions will be held to elucidate the values, perceptions and priorities regarding climate change, mitigation and adaptation. The public can obtain information on the City's General Plan, the County's Comprehensive Plan and the University's Sustainability Plan. Register at: <http://events.climateconversation.org/main/events/show/9023>, [Questions?](#) [Email the Host](#)

Pima College Northwest Campus Earth Day

Pima College Northwest Campus, **April 22, 2009**. 9 a.m. - 1 p.m. 7600 N. Shannon Road., Tucson. Contact: Eileen Palese, (520) 628-6712 <mailto:ep1@azdeq.gov>

Clean Ways to Work Day

Learn how to use less energy and reduce air pollution by greening your commute. PAG and VPSI are sponsoring the event at Jacome Plaza, Joel Valdez Main Library 101 N. Stone, 10:00 a.m. to 1:00 p.m. **April 22, 2009**. A variety of exhibitors and alternate fuel vehicles will be on display. For more information: <http://www.884ride.org>

2009 National Association of Environmental Professionals' (NAEP) 34th Annual Conference

The NAEP is hosting a conference "*Making Sustainability Happen: Goals, Practices, and Challenges*". **May 3-6, 2009**. Radisson Fort McDowell Resort, Scottsdale. <http://www.naep.org>

Association for Behavior Analysis Convention

The Association for Behavior Analysis is holding its 35th Annual Convention at the Phoenix Convention Center on **May 22-26, 2009**. The convention will include programs related to global warming. One of the goals is to raise interest among behavior analysts in developing programs to change behavior related to the use of energy. Contact: Mark Mattaini <mailto:mattaini@earthlink.net>, <http://abainternational.org>

RESOURCES

EPA Releases Reports on Climate Change

EPA, in collaboration with other agencies, released 21 reports discussing various environmental impacts of climate change. These reports were commissioned by the U.S. Climate Change Science Program (CCSP), which was established to provide the nation with science-based knowledge to manage the risks and opportunities of climate change. Information on the CCSP and reports: <http://www.climatescience.gov/> Contact: Roxanne Smith (202) 564-4355, <mailto:smith.roxanne@epa.gov>.

Aging Initiative Factsheets

These easy-to-read fact sheets provide sound advice about environmental hazards such as air pollution and drinking water contaminants. EPA translated the fact sheets into a number of languages, recognizing that those at the greatest risk may have limited English proficiency. In addition, EPA prepared a purple series written for persons with limited reading ability. <http://www.epa.gov/aging/resources/factsheets/index.htm>.

Year of Science 2009

EPA has joined with the Coalition on the Public Understanding of Science (COPUS), a grassroots network of more than 400 universities, scientific societies and organizations, to celebrate the *Year of Science 2009*. Throughout the year, EPA will be blogging, hosting activities, inviting public participation and providing special content on a new Web site. On

the first Wednesday of each month EPA staff and grantees will highlight the COPUS theme of the month in EPA's science blog. The EPA Web site will complement the COPUS Year of Science Web site, which allows visitors to search for science events in their communities, and provides access to scientific resources and educational materials. Contact: Suzanne Ackerman (202) 564-4355; <mailto:ackerman.suzanne@epa.gov>. Information on the EPA Year of Science: <http://www.epa.gov/yearofscience>. Information on COPUS and the Year of Science 2009: <http://www.copusproject.org/>

GRANTS

Improving Air Pollution Emissions Information

EPA requests proposals for novel approaches to improving dissemination of air pollution information. Through this initiative, EPA seeks research that will build on past improvements and strengthen the understanding of air pollution sources and how they affect air quality. Sol# EPA-G2009-STAR-D2. Responses due **April 21, 2009**. For more information, contact Bryan Bloomer, <mailto:bloomer.bryan@epa.gov>
http://es.epa.gov/ncer/rfa/2009/2009_star_air_pollution.html

American Recovery and Reinvestment Act of 2009 (Recovery Act)

The Recovery Act specifically includes \$7.22 billion for projects and programs administered by EPA which will protect and promote green jobs and a healthier environment. Funding is available for: *brownfields*: competitive grants to evaluate and clean up former industrial and commercial sites; *diesel emissions reduction*: grants and loans to help regional, state and local governments, tribal agencies and non-profit organizations with projects that reduce diesel emissions; *Superfund hazardous waste cleanup*: for the cleanup of hazardous sites; *leaking underground storage tanks*: for cleanup of petroleum leaks from underground storage tanks. All funding will be monitored by the agency's Inspector General. Grant announcements will be posted on <http://www.recovery.gov> to ensure transparency. Learn more about the Act <http://www.recovery.gov>

American Recovery and Reinvestment Act Funding for National Clean Diesel Funding Assistance Program

EPA's National Clean Diesel Funding Assistance Program is soliciting applications for projects that can be commenced expeditiously and that reduce diesel emissions and maximizes job creation and preservation through a variety of diesel emission reduction strategies. Eligible projects must include at least one of the following diesel emissions reduction solutions: verified emission control technologies certified engine repowers and/or certified vehicle or equipment replacement. Eligible vehicles, engines and equipment may include: buses, medium-duty or heavy-duty trucks, marine engines, locomotives and non-road engines or vehicles used in: i) construction; ii) handling or cargo (including at a port or airport); iii) agriculture; iv) mining; or v) energy production. Funding Opportunity Number: EPA-ARRA-OAR-OTAQ-09-06. CFDA Number: 66.039. Deadline: **April 27, 2009**.
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=45799>

American Recovery and Reinvestment Act Funding for SmartWay Clean Diesel Finance Program

EPA's SmartWay Clean Diesel Finance Program is soliciting applications for projects that reduce diesel emissions and maximize job creation and preservation through the creation of national, state or local innovative financing program(s). Innovative financial projects include those where the loan recipient receives a unique financial incentive for the purchase or of retrofitted vehicles or equipment. Deadline: **April 27, 2009**. Funding Opportunity Number: EPA-ARRA-OAR-OTAQ-09-04; CFDA Number: 66.039.
<http://epa.gov/otaq/eparecovery/progfinance.htm>

American Recovery and Reinvestment Act Funding for Clean Diesel Emerging Technologies Program

EPA's Clean Diesel Emerging Technologies Program is soliciting applications for projects that reduce diesel emissions and maximize job creation and preservation through emerging technologies. An emerging technology is a device or system that reduces emissions from diesel engines or diesel engine powered vehicles or equipment that has not been certified or verified by EPA or the California Air Resources Board but for which an approvable application and test plan have been submitted for verification. Technologies that have been approved and placed on EPA's Emerging Technology List <http://www.epa.gov/otaq/diesel/prgemerglist.htm> qualify as emerging technologies for this funding. Funding Opportunity Number: EPA-ARRA-OAR-OTAQ-09-05. Deadline: **May 4, 2009**.
<http://epa.gov/otaq/eparecovery/progemerger.htm>

Clean Cities FY09 Petroleum Reduction Technologies Projects for Transportation

National Energy Technology Laboratory is accepting applications for cost-shared projects that expand the use of alternative fueled vehicles and advanced technology vehicles. The installation or acquisition of infrastructure necessary to directly support alternative fueled vehicles or advanced technology vehicles is also eligible. Limited expenses associated with operation and maintenance of vehicles, infrastructure and other associated equipment acquired through the program also are allowable. Funding Opportunity Number: DE-PS26-09NT01236-04; CFDA Number(s): 81.086. Deadline: **May 29, 2009**.
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=45419>

Grant.gov Web site

Information about applying for competitive federal grants can be located through the Web site <http://www.grants.gov>. This Web site allows organizations to find and apply for more than \$400 billion in federal grants. A full description of the program as well as a Web cast describing how to use the resource is available on the Web site.

FEDERAL REGISTERS AND REGULATORY NOTICES

Federal Level

Final Rule: Average Fuel Economy Standards Passenger Cars and Light Trucks Model Year 2011

National Highway Traffic Safety Administration (NHTSA) and the U.S. Department of Transportation (DOT) have set CAFÉ standards for model year 2011. NHTSA estimates that these new standards will raise the industry-wide combined average to 27.3 mpg, save 887 million gallons of fuel and reduce CO₂ emissions by 8.3 million metric tons over the vehicles' lifetime. This final rule is effective **May 29, 2009**. The Energy Independence and Security Act (EISA) mandates that the model year (MY) 2011-2020 CAFÉ standards be set high enough to ensure that the industry-wide average of all new passenger cars and light trucks combined, is not less than 35 miles per gallon by MY2020. (3/30/09)
<http://edocket.access.gpo.gov/2009/E9-6839.htm>

Proposed Mandatory Greenhouse Gas Reporting Rule

EPA has proposed a rule that would require mandatory reporting of greenhouse gas (GHG) emissions from large U.S. sources. The proposed rule would collect accurate and comprehensive emissions data to inform future policy decisions. EPA's proposal would apply to suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines and facilities that generate 25,000 metric tons or more per year of GHG emissions. Gases covered by the proposed rule include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride and other fluorinated gases including nitrogen trifluoride and hydrofluorinated ethers. The Administrator signed the

proposed rule on March 10, 2009, and it will be published in the Federal Register (<http://www.regulations.gov>) shortly under Docket ID No. EPA-HQ-OAR-2008-0508. For more information about the proposed rule:

<http://www.epa.gov/climatechange/emissions/ghgrulemaking.html> (3/10/09)

EPA Proposal to Reduce Air Toxics from Stationary Diesel and Gas-Fired Engines

EPA is proposing to set emission limits for formaldehyde, benzene, acrolein and other air toxics from certain stationary diesel and gas-fired engines. The proposed limits would apply to engines located at smaller sources of air toxics. For major sources of air toxics, this rule would only apply to engines that are: \leq 500 horsepower and were constructed or reconstructed before June 12, 2006, and \geq 500 horsepower engines that were constructed or reconstructed before Dec. 19, 2002. To meet the proposed emissions requirements, engine owners and operators would need to install after treatment controls, such as filters or catalysts, to the engine exhaust systems. The public comment period will be open for 60 days upon publication in the Federal Register. Contact: Cathy Milbourn, (202) 564-4355; <mailto:milbourn.cathy@epa.gov>. More information: <http://www.epa.gov/ttn/oarpg/t3fs.html>. (2/27/09).

Air Permit Policy Revised for Aggregating Facility Changes

EPA has issued a final rule under the New Source Review (NSR) program revising the agency's policy on aggregation. In determining whether NSR applies, a facility should group together, or aggregate, emissions from multiple related changes into one single project, only if those activities are substantially related.

The final rule specifies that for emissions to be aggregated, changes must have more in common than timing alone or just supporting the plant's overall basic function; plant modifications that are separated by three or more years will be presumed not to be substantially related. EPA recently extended the comment period beyond **May 18, 2009**. Contact: Cathy Milbourn, (202) 564-4355 x-7849, <mailto:milbourn.cathy@epa.gov>. For more information on this rule and NSR: <http://www.epa.gov/nsr> (1/15/09)

EPA Proposes Revisions to Air Quality Index for Particle Pollution

EPA is proposing to update its Air Quality Index (AQI) to reflect the latest standards for fine particle pollution. Under the proposed changes, the AQI would reach "code orange" (unhealthy for sensitive groups) when PM_{2.5} levels reach 35.5 micrograms per cubic meter of air (ug/m³). The changes also would mean air quality reaches the "unhealthy" category at a lower particle pollution level.

The proposed rule also would set a significant harm level equal to an AQI value of 500. States use these levels in air quality emergency episode plans, which set procedures for delivering information to potentially affected citizens and for reducing emissions from sources in the area that are potentially contributing to harmful PM_{2.5} levels. Contact: Cathy Milbourn, (202) 564-4355 ext.7849; <mailto:Milbourn.Cathy@epa.gov>. For more information about the AQI proposal: <http://www.epa.gov/pm/actions.html> (1/15/09)

DOCUMENTS OF INTEREST

2007 Toxic Release Inventory (TRI) Report. EPA. March 2009.
<http://www.epa.gov/tri/tridata/tri07/index.htm>. State and County data:
<http://www.epa.gov/triexplorer/statefactsheet.htm>

Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2007- Draft Report. EPA. Feb. 2009. <http://epa.gov/climatechange/emissions/downloads09/07Inventory.pdf>

Protecting Our Children: Assessing the Link between PM₁₀ Pollution and Childhood Asthma in Maricopa County. ADEQ. Dec. 2008.
http://www.azdeq.gov/function/news/2008/download/1230_report.pdf

Emissions of Greenhouse Gases in the United States. DOE/EIA. Dec. 2008.
<ftp://ftp.eia.doe.gov/pub/oiaf/1605/cdrom/pdf/ggrpt/057307.pdf>.

Annual Methane to Markets Partnership Report. EPA. Nov. 2008.
<http://www.epa.gov/methanetomarkets/accompreport.htm>

Annual Air Quality Trends 1990-2007. EPA. Nov. 2008.
<http://www.epa.gov/air/airtrends/2008/report/TrendsReportfull.pdf>

2008 Performance and Accountability Report. EPA. Nov. 2008.
<http://www.epa.gov/ocfo/par/2008par/index.htm>