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## **Environmental Planning Advisory Committee (EPAC)**

Oct. 2, 2009

### **Pima Association of Governments**

177 N. Church Ave., Suite 405

Tucson, AZ 85701

Announcements

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### **ADVISORIES**

### **EVENTS OF INTEREST**

#### **Community Environmental Calendar**

##### **Oro Valley Pharmaceutical Take Back Program**

The Oro Valley Police Department (OVPD) will host Take Back and Disposal Program events for unused and expired prescription and over-the-counter medications. Events will take place at the Oro Valley Market Place (outside Super Walmart) from 10 a.m. – 2 p.m. on **Sept. 26, Oct. 24, and Nov. 21, 2009**. Contact: Sergeant Amy Sloane, Community Resource Unit, Oro Valley Police Department, [asloane@ovpd.org](mailto:asloane@ovpd.org)

##### **2009 Pollution Prevention (P2) Seminar: Sustainability Toolkit**

The Southern Arizona Environmental Management Society (SAEMS) is hosting the 2009 P2 seminar, *Sustainability Toolkit*, **Sept. 30, 2009**, at the Manning House, 450 W. Paseo Redondo, Tucson. [http://www.saems.org/seminars\\_frameset.htm](http://www.saems.org/seminars_frameset.htm)

### **The Third Annual Phenology Research and Observations of Southwest Ecosystems (PROSE) Symposium**

Event will be held on **Oct. 2, 2009**, in the Coyote Room, Park Student Union, on the University of Arizona campus. For information, visit <http://www.asprs.org/southwestus/html>. To register for the conference, <https://www.asprs.org/southwestus/regform/>.

### **Research Insights in Semiarid Ecosystems (RISE) Symposium**

The sixth annual RISE symposium will be held on **Oct. 3, 2009**, on the University of Arizona campus, Marley Building, Rm. 230. For information and registration: <http://www.tucson.ars.ag.gov/rise/index.htm>

### **Household Hazardous Waste Collections**

Volunteers needed for Saturday, **Oct. 3, 2009**, and the first Saturday of each month thereafter, from 8:00 a.m. to 12:00 noon at: Oro Valley at 440 W. Calle Concordia; southwest Tucson, 1102 W. Irvington Rd. and east Tucson at 7575 E. Speedway Blvd. The main collection site, 2440 W. Sweetwater Dr., is open to the public from 8:00 a.m. to 12:00 noon, every Friday and Saturday, excluding major holidays. For more information, visit [www.tucsonaz.gov/hhw](http://www.tucsonaz.gov/hhw) or call 888-6947.

### **Southwest Summit on Environment**

The summit will be held **Oct. 8, 2009**, 8 a.m. to 4 p.m. in the Walter Cronkite School of Journalism, Arizona State University, Phoenix. For information and to RSVP, contact Inga Buchbinder, [ibuchbinder@newamericamedia.org](mailto:ibuchbinder@newamericamedia.org), Anthony D. Advincula, [aadvincula@newamericamedia.org](mailto:aadvincula@newamericamedia.org), or Viji Sundaram, [vsundaram@newamericamedia.org](mailto:vsundaram@newamericamedia.org) or call (415) 503-4170.

### **Ward 2 Landfill and Recycling Tour**

Meet on **Oct. 10, 2009**, at the Ward 2 Council Office, 7575 E. Speedway, for a continental breakfast and then travel for a group tour of Los Reales Landfill and Recycle America facility; tour from 8:00 a.m. to 12:00 noon. For more information and to sign up, call 791-4687.

### **Water and Land for Renewable Energy in the Southwest- Workshop and Symposium**

Southwest Hydrology will host the event on **Oct. 22-23, 2009**, at the Marriott University Park Hotel, Tucson. [www.swhydro.arizona.edu/renewable](http://www.swhydro.arizona.edu/renewable)

### **Electronics recycling collection**

Electronics collection event **Oct. 31, 2009**, 8:00 a.m. to 1:00 p.m. at the Ward 4 Council Office, 8123 E. Poinciana Dr. Volunteers are also needed from 7:30 a.m. to 1:30 p.m. For more information, call 791-5000 or [tcb@tucsonaz.gov](mailto:tcb@tucsonaz.gov). Additional collection days are planned for **Nov. 28, 2009**, near Speedway and Kolb and on **Jan. 9, 2010**, in Oro Valley. For a list of ongoing electronics recycling opportunities: [Recycling Opportunities](#)

### **U.S. Green Building Council GreenBuild Expo**

The Greenbuild, the world's largest conference and expo dedicated to green building, will be held at the Phoenix Convention Center, **Nov.11-13, 2009**. <http://www.greenbuildexpo.org/>.

### **Green Living Fair**

A Green Living Fair will be held on **Nov. 14, 2009**, 10 a.m. –2 p.m. at the HabiStore southwest corner of Ajo and Palo Verde. For more information: [www.deq.pima.gov](http://www.deq.pima.gov) or 740-3349.

### **University of Arizona Discovery Days**

University scientists are offering a series of educational opportunities at the Mt. Lemmon Sky Center; most programs are from 10:00 a.m.-12:00 p.m., unless otherwise noted. Contact: Joe Hoscheidt, DiscoveryDays Coordinator, 933 N. Cherry Avenue Tucson, Arizona 85721; 626-8122; <http://skycenter.arizona.edu> **Oct. 10, 2009:** *Sky Island Geology: Formation of the Santa Catalinas*; **Oct. 24, 2009:** *Living in a Celestial Shooting Gallery: The Hunt for Hazardous Asteroid*; **Nov. 7, 2009:** *Build Your Own GalileoScope*.

### **Water and Land for Renewable Energy in the Southwest Workshop**

The Southwest Hydrological Society will host a workshop on **Oct. 22-23, 2009**, at the Marriott University Park Hotel, Tucson. <http://chubasco.hwr.arizona.edu/renewable/>

### **Buffelgrass/Invasive Plant Removal Efforts:**

- *Sonoran Desert Weedwackers* - typically on the third Saturday and the second Wednesday of each month. Contact Marilyn at: [mfhanson@comcast.net](mailto:mfhanson@comcast.net); 579-6525.

- *Tanque Verde Valley Weedwackers* (Irvington Rd. /Pantano Rd. vicinity) typically on the first Saturday of each month. Contact Sally at: [sawynd@aol.com](mailto:sawynd@aol.com) ; 749-2184.

- *Saguaro National Park East* - continuation of an invasive plant removal project on the second Saturday of each month. Contact Bethany Hontz, [bethany\\_hontz@nps.gov](mailto:bethany_hontz@nps.gov); 733-5187.

- *Sabino Canyon Recreation Area*: Giant reed grass removal take place on the first Sunday of each month, and periodically on Saturdays in mid-month. Next date: **Oct. 4, 2009**, 7:45 a.m. to 12 noon. Contact Kendall at [tucson.arundo@gmail.com](mailto:tucson.arundo@gmail.com); 971-2385.

- *Marana buffelgrass volunteers*: sign up at: [www.marana.com](http://www.marana.com), and click on "Notify Me" in the column on the left of the home page, or contact: [rkunsberg@marana.com](mailto:rkunsberg@marana.com).

- *Town of Oro Valley*: Volunteers needed periodically to remove buffelgrass and fountain grass. For more information, contact Carmen Ryan at 229-5070; [cryan@orovalleyaz.gov](mailto:cryan@orovalleyaz.gov)

### **Tucson Nature Conservancy Rainwater Harvesting Tours**

Educational public tours are held on various dates throughout the year at the Nature Conservancy's Tucson office, 1510 E. Fort Lowell Rd. For more information and tour sign up: Tucson Nature Conservancy Rainwater Harvesting Tours; 622-3861 x 3437.

## **RESOURCES**

### **Tucson Water - Efficient Toilet Rebates**

The Toilet Rebates are available to all Tucson Water customers who currently have a toilet manufactured prior to 1991 and uses at least 3.5 gallons per flush. For information and application: <http://www.tucsonaz.gov/water/rebate> ; Water Conservation Office at 520-791-4331 or <http://www.tucsonaz.gov/water> (Oct. 09)

### **Nectar Feeding Bat Survey Volunteers Needed**

If willing to participate in a hummingbird feeder monitoring project this year, contact Ted Fleming, Adjunct Professor, University of Arizona, at [ted@sonaura.net](mailto:ted@sonaura.net) ; (520) 797-5609; for information [www.marana.com/bats](http://www.marana.com/bats) (Sept. 09)

[Shrink Your Water Footprint Card](#) (Sept. 09)

[Clean Water Starts with Me Brochure](#) (Sept. 09)

[Live, Breathe Clean Air Flyer](#) (Sept. 09)

[Local and Heritage Food Directory](#) (Sept. 09)

### **EPA's Growing Smarter, Living Healthier: A Guide to Smart Growth**

A new guidebook to help older adults access information about the importance of environmentally friendly community design. [Guide to Smarter Growth](#) (Sept. 09)

### **EPA GreenChill Advanced Refrigeration Partnership**

The GreenChill Advanced Refrigeration Partnership is an alliance to promote advanced technologies that reduce refrigerant charges and emissions of ozone-depleting substances and greenhouse gases. [GreenChill](#) (Sept. 09)

### **EPA Emission Standards Reference Guide**

New web site contains federal emission standards for on-road (light-duty and heavy-duty) and nonroad vehicles and engines and related fuel sulfur standards. [Standards Reference](#) (Sept. 09)

### **Green Car Guide**

Car shop with the Green Vehicle Guide to choose the cleanest and most fuel-efficient vehicle that meets your needs. <http://www.epa.gov/greenvehicles> (Sept. 09)

### **New Arizona Off-Highway Vehicle (OHV) Booklet**

The Arizona Game and Fish Department and the State Parks Department published a booklet containing the OHV management laws currently in effect in Arizona and a list of places to ride across the state. Booklets are available at National Forest Service offices, Bureau of Land Management offices, the Arizona State Land Department Office, State Parks offices and all Game and Fish Department Offices and at: [AZ State Parks](#) and [AZ Game and Fish](#) (Sept. 09)

### **Climate Change, Wildlife, and Wildlands Toolkit for Formal and Informal Educators**

The kit contains case studies and activities on climate science, environmental education and stewardship to educate students on becoming guardians of the environment. [Toolkit](#) (Aug. 09)

### **Clean Energy Guidebook**

EPA's Clean Energy - *Lead by Example Guide* helps states identify key strategies, resources and tools best-suited to their energy needs. [Lead by Example](#) (Aug. 09)

## **GRANTS**

### **Endangered Species - Recovery Implementation**

This U.S. Fish and Wildlife Service (USFWS) Recovery Implementation funding opportunity is for projects that will contribute to the recovery of endangered and threatened species. Funding Opportunity Number: ES-RI-09. Deadline: **Sept. 30, 2009**. [Endangered Species](#)

### **Endangered Species - Candidate Conservation Implementation**

This USFWS is funding projects that contribute to reducing the need to list candidate species and for projects that benefit at-risk species. Funding Opportunity Number: FWS-ES-BCC-09;

CFDA Number(s): 15.660 - Endangered Species - Candidate Conservation Action Funds.  
Deadline: **Sept. 30, 2009**. Contact: Jeanette Green, Program Specialist; (703) 358-2206.  
[Endangered Species Candidate](#)

#### **Recovery Act - Fish Passage**

The USFWS is funding projects under the American Recovery and Reinvestment Act of 2009 (ARRA) for habitat restoration through the National Fish Passage Program. Funding Opportunity Number: RECOVERYACT-NATIONALFISHHABITATPLAN. Deadline: **Sept. 30, 2009**. Region 2 Contact (includes Arizona): Quincy Pence, [Quincy\\_Pence@fws.gov](mailto:Quincy_Pence@fws.gov); (512) 353-0011 x 235. [Fish Passage](#)

#### **School Construction Program – Recovery Act**

The U.S. Department of Education requests proposals for the Impact Aid Discretionary Construction Program. Responses due **Oct. 1, 2009**. Sol# ED-GRANTS-081709-001. Contact: Kristen Walls-Rivas, [Impact.Aid@ed.gov](mailto:Impact.Aid@ed.gov). [School Construction](#)

#### **Infrastructure for Higher Ethanol Blends – Recovery Act**

The DOE requests proposals for Expansion of Infrastructure for Higher Ethanol Blends. Responses due **Oct. 4, 2009**. Sol# DE-FOA-0000125. Contact Hank Eggink, [hank.eggink@go.doe.gov](mailto:hank.eggink@go.doe.gov); [Higher Ethanol Blends](#)

#### **Local Energy Assurance Plans - Recovery Act**

The DOE is accepting proposals for the Local Energy Assurance Planning (LEAP) Initiative, which focuses on developing new or refining plans integrating new energy portfolios into energy assurance and emergency preparedness plans. Responses due **Oct. 8, 2009**. Sol# DE-FOA-0000098. Contact Diane Franklin, [diane.franklin@netl.doe.gov](mailto:diane.franklin@netl.doe.gov); [Local Energy](#)

#### **Greening High Schools**

The Student Conservation Association requests proposals for the Green Your School Contest. Responses due **Oct. 9, 2009**. [Greening High Schools](#)

#### **Watershed Management Group (WMG) Co-op Grants:**

WMG's Co-op makes water harvesting accessible by providing subsidies for low-income community members and by engaging homeowners to work cooperatively on each other's properties as volunteers. Deadline: **Oct. 9, 2009**. For information, 396-3266 or: [Co-op Grants](#)

#### **Women in Transportation Seminar (WTS) Tucson Chapter- Katie Dusenberry Scholarship**

The Katie Dusenberry Scholarship is awarded to women pursuing undergraduate or graduate degrees at the University of Arizona in transportation or related fields. Contact the WTS Tucson Chapter [wtsucson@aol.com](mailto:wtsucson@aol.com); WTS Tucson Chapter, c/o Katie Dusenberry Scholarship, P.O. Box 1053, Tucson, Arizona 85702-1053, for specifics: [www.wtsnational.org](http://www.wtsnational.org). Deadline: **Oct. 15, 2009**.

#### **Proposal Guidelines for Brownfields Assessment Grants**

EPA has published guidance to assist applicants in preparing grant proposals to assess and clean up brownfield sites. Funding Opportunity Number: EPA-OSWER-OBLR-09-04; CFDA Number(s): 66.818 -- Brownfields Assessment and Cleanup Cooperative Agreements. Deadline: **Oct. 16, 2009**. Contact: Megan Quinn; (202) 566-2773. [Brownfield Assessment Grants](#)

### **National Planning Grants and Indian Tribes Planning Grants**

Funding Opportunity Number: CNCS-GRANTS-09092009-001; CFDA Number(s): 94.006 - CFDA Update to Include ARRA - AmeriCorps. Deadline: **Oct. 19, 2009**. [National Planning Grants](#)

### **STAR Fellowships for Graduate Environmental Study**

The EPA, as part of its Science to Achieve Results (STAR) program, is offering numerous graduate fellowships for masters and doctoral level students in environmental fields. The deadline to apply is **Oct. 22, 2009**. For more information, <http://epa.gov/ncer/fellow/>

### **Sustainable Development**

The Sophie Foundation seeks nominations for this international prize awarded to individuals or entities that have created awareness of alternatives to modern day development. Deadline is **Nov. 1, 2009**. [Nomination Guidelines](#)

### **Neotropical Migratory Bird Conservation Act (NMBCA) Grants**

The USFWS, Division of Bird Habitat Conservation (DBHC) is responsible for managing the NMBCA grants program. Funding Opportunity Number: NMBCA-10-NEOTROP-623; CFDA Number: 15.623 - North American Wetlands Conservation Fund. Deadline: **Nov. 2, 2009**. Andrea Grosse, [NMBCA Coordinator](#) (301) 497-2472. Instructions: [Bird Conservation Grants](#)

### **Clean Air Research Centers**

The EPA is seeking applications for Clean Air Research Centers. EPA is interested in supporting research on the health effects of exposure to particulate matter (PM), ozone and other air pollutants. Funding Opportunity Number: EPA-RC2009-STAR-C1. Contact: Stacey Katz, [katz.stacey@epa.gov](mailto:katz.stacey@epa.gov); (202) 343-9855. Deadline: **Nov. 16, 2009**. [Clean Air Research](#)

### **Environmental Information Exchange Network**

The EPA requests proposals for the National Environmental Information Exchange Network Grant Program. Sol# EPA-OEI-10-01. Responses due **Nov. 20, 2009**. Contact Edward Mixon, [mixon.edward@epa.gov](mailto:mixon.edward@epa.gov); [Environmental Information Network](#)

### **Interdisciplinary Solar Energy Research**

The NSF Divisions of Chemistry (CHE), Materials Research (DMR), and Mathematical Sciences (DMS) requests proposals for the CHE-DMR-DMS Solar Energy Initiative. Sol# 09-604. Preliminary proposals due **Dec. 8, 2009**; final proposals due **March 10, 2010**. [Solar Energy Research](#)

### **Series of EPA's 7th Annual P3 Awards: National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet**

Funding Opportunity Numbers: EPA-G2010-P3-Q1; EPA-G2010-P3-Q2; EPA-G2010-P3-Q3; EPA-G2010-P3-Q4; EPA-G2010-P3-Q5. Deadline for all: **Jan. 4, 2010**. [P3-49242](#); [P3-49243](#); [P3-49244](#); [P3-49245](#)

### **Southwest Region Aquatic Invasive Species**

This funding opportunity provides assistance in preventing, managing and controlling aquatic invasive species within the USFWS's Southwest Region. Contact: David Britton, (817) 272-3714, [david\\_britton@fws.gov](mailto:david_britton@fws.gov). Funding Opportunity Number: FWS-R2-AIS. Deadline: **March 31, 2010**. [SW Aquatic Invasive Species](#)

### **Recovery Act Funds - Environmental Internships**

Through on-site activities located at a variety of field stations, individuals or groups will be introduced to natural resource careers through “hands-on” work with, and training by, natural resource professionals employed by the USFWS. Funding Opportunity Number: ARRA-FWS-09-010. Deadline: **Sept. 30, 2010**. [Environmental Internships](#)

### **Grant.gov Web site**

Information about applying for competitive federal grants can be located through the Web site [www.grants.gov](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.

### **Local Awards from the American Recovery and Reinvestment Act of 2009** (Recovery Act).

EPA has obligated over \$88 million in Recovery Act Funds to Arizona, including:

- South Tucson is receiving \$400,000 to conduct site assessments at properties with potential contamination.
- Tohono O’odham Nation will use \$1,929,010 for five water projects
- Ak-Chin Indian Community will use \$615,770 to improve wastewater treatment

## **FEDERAL REGISTERS AND REGULATORY NOTICES**

### **Federal Level**

#### **EPA Finalizes the Nation’s First Greenhouse Gas Reporting System**

Beginning Jan. 1, 2010, the EPA will require large emitters of heat-trapping emissions to begin collecting greenhouse gas (GHG) data under a new reporting system. This new program will cover approximately 85 percent of the nation’s GHG emissions and apply to roughly 10,000 facilities. The first annual reports for the largest emitting facilities, covering calendar year 2010, will be submitted to EPA in 2011. Vehicle and engine manufacturers outside of the light-duty sector will begin phasing in GHG reporting with model year 2011. More information on the new reporting system and reporting requirements: [Greenhouse Gas Reporting](#) (9/22/09)

#### **EPA Tightens Air Emissions for Hospital, Medical, and Infectious Waste Incinerators**

EPA is setting new limits that will affect most hospital, medical and infectious waste incinerators. EPA is also finalizing additional testing, monitoring and inspection requirements. This final action revises the September 1997 new source performance standards and emission guidelines for these incinerators, responds to the Court remand of the regulations and satisfies the Clean Air Act requirement for the five-year review of the standards. [Incinerators](#) (9/18/09)

#### **EPA to Reconsider National Standards for Ground-Level Ozone**

EPA announced it would reconsider its 2008 decision setting national standards for ground-level ozone. EPA is reconsidering the standards to ensure they are clearly grounded in science, protect public health with an adequate margin of safety, and are sufficient to protect the environment. The agency will propose any revisions to the ozone standards by December 2009 and will issue a final decision by August 2010. (9/16/09) [Ozone Standards Revisited](#)

#### **New Interagency Program to Address Climate Change and Energy Security**

U.S. Department of Transportation (DOT) and the EPA jointly proposed a rule establishing a national program that would improve vehicle fuel economy and reduce greenhouse gases. Under the proposed program, covering 2012-2016 model years, automobile manufacturers would be able to build a single, light-duty national fleet that satisfies all federal requirements

and standards of California and other states. Specifically, the program would increase fuel economy by approximately five percent every year, reduce greenhouse gas emissions by nearly 950 million metric tons, save the average car buyer more than \$3,000 in fuel costs and conserve 1.8 billion barrels of oil. EPA is providing a 60-day comment period that begins with publication of the proposal in the Federal Register. The proposal and information on submitting comments are at: [Climate Change -EPA](#) ; [Climate Change - NHTSA](#) (9/16/09)

**Arizona**

**Notice of Rulemaking Docket Opening**

Department of Environmental Quality Water Quality Standards Proposes to update the surface water quality standards rules by amending definitions and clarifying the applicability of the water standards rule. The article establishes water quality standards that apply to facilities licensed under the Aquifer Protection Permit (APP) program. The current status of this or any department rulemaking can be assessed by checking the department’s draft and proposed rules web page at: <http://azdeq.gov/function/laws/draft.html>

**WATER QUALITY PERMITS - NOTICES OF PROPOSED ACTION**

PAG receives Notices of Proposed Action for water quality permits from the Arizona Department of Environmental Quality. This is a list of the most recent notices received by PAG. All of these notices are filed at PAG and are available for public review. A comment period (usually 30 days) is allowed for each permit application listed below.

Facility / Location	Permit Description	Notice Date / Comment Period
Avra Valley Wastewater Reclamation Facility, Pima County	Significant amendment to APP Permit No. 100642 to operate a 4.0 MGD facility, producing class B+ reclaimed water. Effluent disposal into percolation ponds or discharged under AZPDES Permit.	Notice date: March 19, 2008, with 30 day comment period
Avra Valley Wastewater Reclamation Facility, Pima County	Issuance of Aquifer Protection Permit (APP) Permit No. 100642 to operate a 4.0 MGD facility	Notice date: February 9, 2009, with 30 day comment period

**DOCUMENTS OF INTEREST**

The Archaeology of Environmental Change: Socionatural Legacies of Degradation and Resilience. 2009. University of Arizona Press. Fisher, C.T, Hill, J.B and Feinman, G.M., Editors.

Opportunities to Reduce Greenhouse Gas Emissions through Materials and Land Management Practices. EPA. Sept. 2009. [Reduce Greenhouse Gases](#)