



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

### **Minutes of September 4, 2009, Meeting**

#### **Committee Members**

Tim Bolton, AZLD  
Sheila Bowen, AzSCE  
Stephen Dean, Oro Valley Citizen  
Zig Fang (for Chuck Komadina), TEP  
Marcelino Flores, Pascua Yaqui Tribe  
Chad Fretz, Freeport McMoRan  
Orlanthia Henderson, Town of Sahuarita (Alt)  
Darren Horstmeier, DMAFB (Alt.)  
Kendall Kroesen, Tucson Audubon Society (Alt.)  
Roxanne Linsley, ADEQ  
Grant McCormick (for J.T. Fey), UA  
Lynsey Miller, Rincon Institute  
David Parker, Town of Oro Valley  
Jorga Riggerbach, Pima County Citizen  
David Schaller, COT OCSD, Presenter  
Dave Seifert, LWV (Alt.)  
Dennis Skelton, Town of Sahuarita, Chair  
Janine Spencer, Town of Marana (Alt.)  
Betsy Woodhouse, City of Tucson Citizen

#### **Public/Agencies**

Paul Baughman, Town of Marana  
Lynne Birkinbine, COT - ES  
Michael Block, Metro Water  
Mike Caporaso, Westland  
Jim DuBois, PC RWRD  
Greg Hess, Clear Creek Associates  
Bev Hester, COT -DSD  
Tim Hester, DMAFB Intern  
Val Little, Water CASA  
Thom Martinez, Westland, Presenter  
Dorothy O'Brien, Town of Marana,  
Presenter  
Sandi Richey, GVCCC  
Nicole Urban-Lopez, COT - OCSD  
Bob Wallin, ADEQ

#### **Staff**

Malini Banerjee  
Lee Comrie  
Susanne Cotty  
Colleen Crowninshield, Presenter  
Robert Done  
Andy Gunning  
Steve Matthews  
Mead Mier  
Joan Reedy  
Dan Sullivan  
Claire Zucker, PAG Lead

#### **1. Call to Order and Introductions**

The meeting was called to order by Chair Dennis Skelton at 9:30 a.m. and introductions were made.

#### **2. In-Kind Form**

An in-kind form was routed among attendees.

#### **3. Approval of Minutes**

**Motion was made by Dave Seifert to approve the minutes of June 5, 2009, and seconded by Marcelino Flores. Approved.**

#### **4. EPAC Chair, Committees, Members and PAG Staff Reports**

Lee Comrie, Air Quality Planning Manager, reported that the next meeting of the Air Quality Subcommittee is scheduled for Oct. 6, 2009, at 1:30 p.m. The meeting will focus on climate change and the update currently being done on the greenhouse gas emissions inventory for the City and County. The Live Breathe Clean Air outreach campaign came to an end in July. Ms. Comrie said Web traffic tripled on the Live Breathe Clean Air Web site during that period. Ozone levels for the Tucson region for the summer so far have remained below the EPA health standard. PAG is in the process of updating the regional indicator report and hopes to bring a final draft to the group in November. It will not be a major overhaul but will include updates. PAG developed the Reduce Your Carbon Footprint rack card based on the work done for the Energy EXPO in March of this year. Copies were made available. The Carbon Monoxide Limited Maintenance Plan update, close of comment period for EPA, is today.

Malini Banerjee, Senior Watershed Planner said the Stormwater Management Working Group and will meet again in October 2009. The Summer Stormwater outreach received good feedback and was covered by the Town of Sahuarita newsletter and the Tucson Green Times. Copies of the articles and the draft Stormwater brochures were passed around. PAG, along with the Town of Oro Valley, submitted the outreach for the 2009 National Association of Flood and Stormwater Management Agencies (NAFSMA) Award. Ms. Banerjee also reported that the draft De Minimus General Permit is in its formal comment period, ending Sept. 28. This permit covers various types of non-pollutive discharges. The previous permit expired in March of this year. There will be a Tucson public meeting on Sept. 17, at the Southern Regional Office of ADEQ, Room 444, 400 W. Congress, from 10 a.m. to Noon.

Mead Mier, Watershed Planner, said the Watershed Planning Subcommittee will meet again on Sept. 28, 2009. Speakers will include Deborah Tosline, on the Lower Santa Cruz River Managed Recharge Project and John Castle, on the laboratory for emerging contaminants. This summer Ms. Mier attended the second Watershed Management Working Group Water Harvesting Practitioner Workshop and is now a certified practitioner.

Claire Zucker, Watershed Planning Manager, reported that Water Quality Management Working Group will meet on Oct. 13. They last met in August and at that meeting approved a SEAGO 208 amendment, heard about population and planning and had a discussion about 208 planning. She also announced that the Arizona Recovery and Reinvestment Act funding for Arizona projects which included 208 plan funds, had been announced. MAG is doing a study on green infrastructure as well as CAAG and SEAGO are updating their 208 plans.

On a program level PAG has updated the Watershed Planning Web site which is divided into three areas: 1) 208 Planning, our designated requirement as an agency, 2) Hydrological Research, and 3) Public Information on water issues such as rainwater harvesting. She invited suggestions for other pages for the site.

Member Updates:

Mr. Flores reported that the last meeting of the City County Water Study Committee will be held Sept. 17, 5 – 9 p.m. at the meeting, they will review the last technical papers which cover environmental needs for water and water quality.

Mr. Parker reported that Oro Valley will be having another buffelgrass pull Sept. 19 and will be meeting at the Oro Valley Town site beginning at 7 a.m.

The Town of Oro Valley recently had a police department pharmaceutical pick-up/disposal drop-off on Aug. 24. They received expired pharmaceuticals which were destroyed properly, instead of putting them down the toilet, which is not the preferred method. Upcoming events will be on Sept. 26, Oct 24 and Nov 21; from 10 a.m. to 12 p.m. at the Oro Valley Market Place. Ms. Banerjee said that about 50 people participated and they collected around 50/60 pounds of pills at the first event. Ms. Zucker said PAG plans to attend these events and will provide an informational fact sheet about the importance of proper disposal. Ms. Riggerbach suggested having a handout about the Oro Valley pharmaceutical drop-off at mortuaries, funeral homes, and possibly notice it on the obituary page. Other places such as library and hospitals could also be approached about advertising the take back program. Sandi Richey, Green Valley, said their Fire Stations have a depository pick-up container with pick-ups once a week (averaging 100 pounds of pills a week). Ms. Zucker commented that unfortunately we cannot advertize this program because it is not law enforcement supervised and approved by the Drug Enforcement Agency.

Mr. Schaller said they are in final discussions with the Department of Energy in expectation they will soon be receiving their energy efficiency block grant.

Ms. Zucker introduced new members: Darren Horstmeier from Davis Monthan Air Force Base and Tim Bolton from the Arizona State Land Department. Sara More, Town of Sahuarita, Planning and Zoning Director may be replacing John Neunuebel. The following two people have retired this year: University of Arizona Richard Eribes and Wienke Tax, EPA.

HANDOUT: EPAC Chair, Committees, Members and PAG Staff Reports.

**5. Regional Regulatory Matters/Agency Updates**

Ms. Zucker announced that the Corps of Engineers was accepting comments regarding the quarry along Davidson Canyon. She added that she would provide a comment letter recommending that a public hearing would be appropriate given the level of local concern.

HANDOUT: PAG Event Announcements

**6. Regional Council Action on EPAC Items**

None

## **7. City of Tucson Climate Change Committee**

David Schaller, Administrator for the Office of Conservation and Sustainable Development (OCSD), City of Tucson, spoke about its Climate Change Advisory Committee (CCC), including its mission, membership, some of its activities to date and the plans for the future. Over a 1,000 American cities, including the City of Tucson and nine other cities from Arizona, signed on to the Mayor's Climate Protection Agreement (MCPA) which was established in 2005 to reduce greenhouse gas emissions to 7 percent below 1990 levels by 2012 (Kyoto Protocol target). Mr. Schaller said one of the goals is to develop a Climate Action Plan.

With the assistance from the City and Pima County, PAG created a GHG inventory for the City and the community as a whole, and City operations. The OCSD approached Mayor and Council about setting up a framework for addressing sustainability and climate change at the City level, and this resulted in the creation of the Climate Change Advisory Committee. The goal and tasks include working on a climate change mitigation and adaptation plan within a framework document that outlines actions related to energy, water, and land use. The CCC began meeting in April on a monthly basis. They established a subcommittee to work on adaptation with its social and economic issues. Eventually an action plan will be presented to Mayor and Council with a proposed plan to meet its targets through various mitigation measures.

Mr. Schaller covered some national actions and materials addressing climate change mitigation and adaptation planning and community responsibility. He also addressed climate change synergies that include reduced costs, less pollution and opportunities.

HANDOUT: City of Tucson Climate Change Advisory Committee (CCC), Office of Conservation and Sustainable Development, 201 N. Stone Ave., 3rd. Floor, PO Box 27210, Tucson, AZ 85726, phone: (520) 791-4675. Web site: [http://www.tucsonaz.gov/ocsd/climatechangecommittee\\_members.php](http://www.tucsonaz.gov/ocsd/climatechangecommittee_members.php)

PowerPoint: Preparing for Climate Change in Tucson, David Schaller, Administrator, Office of Conservation and Sustainable Development (OCSD), City of Tucson.

## **8. Nissan/ECotality Electric Vehicle and EV Charging Station Updates: Transportation Electrification Funding**

Colleen Crowninshield, manager of PAG's Clean Cities Program spoke about the upcoming project with Nissan and ECotality. In March, PAG and PAG's Regional Council signed an MOU with Nissan North America and ECotality to be a full vehicle launch market for the new all electric vehicles. ECotality applied with project partners to the U.S. Department of Energy through the Transportation Electrification Stimulus Funds for some of the funding, a \$100 million grant. The money would be used to enhance and pursue infrastructure for the all-electric vehicle once it's here. She said the money would be used to form an EV Micro Climate Working Group in each state in the cities where the vehicle will be launched. PAG's Clean Cities program was a part of that MOU as a project partner. In Phoenix, on Aug. 10, a press announcement was made with an award of \$100 million funded to ECotality. The five states that signed on to be full vehicle launch markets for Nissan will receive \$20 million each. Ms. Crowninshield said even though Tucson and Phoenix are

both a part of that; that does not mean Tucson will receive \$10 million. What we are going to do is build fast charge stations in areas, like malls or locations where the vehicle will be parked for at least 20 minutes. A fast charge means a 20-minute charge that gives the vehicle an 80 percent charge. They also will build home charge infrastructure between both cities, as well as in both cities, for the all-electric Nissan Leaf. Ms. Crowninshield said we are working with California trying to connect Arizona with California through I-8 for infrastructure as well. The California Resource Board just approved \$8 million for charging through California; we are attempting to work with them.

The Leaf will have an estimated range of 100 miles. The vehicle will be made available to the general public. She said some people have already logged on to the Nissan Web site and indicated that they want to be an owner of the vehicle. If you are chosen to be a private owner you will be considered a project partner. This grant will put infrastructure for charging in your home garage. You have to have access to the Internet at home and be willing to be a project partner. Ms. Crowninshield said we are asking all project partners to give us quarterly reports on the vehicle including information such as: how long it's really taking it to charge, real time use of the car, etc. Whether you keep the Leaf or buy a new electric vehicle, the charge unit will be standard. There are Federal guidelines for charging and for electric components for the vehicles. The infrastructure that is put in your garage is yours to keep.

There are five infrastructure companies that are a part of this grant and each city is going to be able to choose the company they want to use. They are still deciding where the charging stations are going because they have to find out where the bulk of the vehicles are going to be. The Leaf will be available in 2010 but the infrastructure must be in place five months before, the full vehicle launch of a 1,000 cars.

They have formed the EV Micro Climate Working Group from the initial infrastructure workshop held last January. As soon as Nissan is ready, they will have their first meeting of this group.

Ms. Crowninshield invited everyone to the next Solar Briefing at Tucson Botanical Gardens, Sept. 29. She invited everyone to the next Clean Cities meeting Sept. 23 to view a charge point system by Coulomb Technologies which will be temporarily installed downtown at El Presidio. The City of Tucson is working with Clean Cities to hook up this system. People will be shown what it's like to charge an all-electric vehicle.

HANDOUT: ECotality and eTec Congratulate Project Partners on Successful \$100 Million Proposal for Transportation Electrification, Diverse List of Project Partners Released, ECotality, Inc. (OTCBB: ETLTY - News), Scottsdale, AZ, Aug. 10, 2009.

PowerPoint: Tucson Regional Clean Cities Coalition, Colleen Crowninshield, Program Manager, (PAG, Nissan and ECotality partners, Sept. 4, 2009.

## **9. Town of Marana Water Quality Management Plan 208 Amendment**

Background information about the 208 amendment process was presented by Ms. Zucker. She said that PAG amends its Water Quality Management Plan (208 Plan) when a significantly changed or new treatment plant is planned for the region. The Town of

Marana has prepared a 208 Plan amendment in order to be permitted by the state to become a Designated Management Agency (DMA) and to take over management authority for wastewater treatment in the Marana planning area. Ms. Zucker described the 208 amendment process, which culminates in gaining Regional Council approval. As part of this process, PAG formed a Scope of Work Task Force (SOWTF) last winter. The Task Force has been meeting regularly and has been reviewing draft amendments, discussing pivotal issues and providing comments to the Town since that time. The revised amendment is posted on the PAG Web site and is available for review.

A PowerPoint presentation was provided by Dorothy O'Brien, Town of Marana Utilities Director, and Thom Martinez, P.E., Westland Resources Inc. Ms. O'Brien described the goals of the Town and why they are pursuing becoming the DMA. She then outlined the natural setting and the Scope of Work Task Force process. Mr. Martinez continued the presentation by showing various maps and describing the land use, sewer basins, existing wastewater collection and treatment system, proposed DMA area, and 20-year flow projections. He then described the three alternatives that had been considered as part of the planning process. He explained why Alternative 3 was the preferred alternative, and said that it would entail construction of three new treatment plants; the Sandario Water Reclamation Facility (WRF), the Cottonwood WRF and the County Line WRF. Mr. Martinez also described the treatment process alternatives and the Town's plans for industrial pretreatment and reclaimed water use. Ms. O'Brien closed the presentation by explaining the Town's plans for financing, permitting and the phased construction schedule.

PowerPoint: Marana PAG 208 Plan Amendment Update

## **10. Future Agenda Items**

Results of PAG's Pharmaceutical Survey  
Oct. 1 -Water Wastewater Update – maybe November or December  
National Dependence on Foreign Oil  
Sustainable Tucson  
Buffelgrass Spraying Efforts  
Davidson Canyon Lime Stone Quarry  
Water Energy Nexus – October  
Western Arizona Electric Cars produced by water (water intensive question)  
Local Rancher Organic Beef/Experimental Ranch Field Trip  
Native SEED Search  
Plastic Bags – Spring  
Energy, Water and Role of PV Developments, ACC Policies  
Resolutions

The next meeting will be held Oct. 2, 2009.

## **11. Call to the Audience**

None heard.

## **12. Adjournment**

**Motion to adjourn the meeting by Dennis Skelton and seconded by Betsey Woodhouse. Approved.**

Meeting adjourned at 11:25 a.m.