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ADWR Monthly Scorecard & Outlook

OCTOBER/NOVEMBER 2009

GRANTS & FUNDING

The U.S. EPA has selected the ADWR project, "Flood warning and stream discharge monitoring in Nogales Wash, Nogales, Arizona," for funding by the Border 2012 U.S. – Mexico Program. The \$42,000 funding will be used to purchase and installation of a radar-based streamgauge at the Marley Avenue Bridge in the Nogales Wash. The project fulfills multiple objectives including reducing water contamination, supporting flood control practices, improving environmental health and better equipping of emergency responders.

PROGRAMS & INITIATIVES

On October 5th, Assistant Director of the Water Management Division **Sandra Fabritz-Whitney** met with Michael Fulton from the Arizona Department of Environmental Quality and Steve Olea from the Arizona Corporation Commission to begin the planning of the Blue Ribbon Task Force on Reclaimed Water. **Director Guenther**, Director Grumbles and ACC Chairman Kris Mayes, who lead the Task Force, will meet sometime in November to approve the framework, initial participants and scope of work to be accomplished.

On October 6th and 30th, Surface Water Division and Legal staff met with the Salt River Project to discuss final amendments to several surface water permits applications for rights to waters of the Salt and Verde Rivers. Following the meeting, the Department will move forward with public noticing of the amended applications. At the meeting, two SRP applications for severing and transferring existing water right claims on the San Pedro River from historically irrigated lands to instream flow rights were also discussed. A follow-up meeting is scheduled for early December at which time the SRP will provide data in support of their proposed Salt and Verde River beneficial-use water quantities and the Department will provide written substantive review comments on the San Pedro applications.

The Surface Water Division issued to the U.S. Forest Service three permits for instream flow rights. Rights to flows in Walker and Sycamore Creeks were issued to the Coconino National Forest; rights to Sycamore Creek (separate application) to the Prescott National Forest. Different from most surface water filings for diversion of public water, instream flow rights preserve water in Arizona's stream for the beneficial use of wildlife, fish and recreation.

On October 8th, Flood Warning staff participated in the Multi-Agency Task Force (MATF) meeting. The MATF is made up of local, state and federal agencies involved in flood warning as well as other interested organizations such as SRP. The main purpose of the meeting is to update each other about the flood warning system across the state and also discuss ways to improve the system. The Statewide Flood Warning Coordinator at ADWR is the co-chair of the MATF along with the head of the National Weather Service office in Phoenix.

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On October 22nd-23rd, ADWR hosted the second of four scheduled review meeting for the Arizona Probable Maximum Precipitation Study. The Department and its funding partners believe completion of this 24-month study will provide invaluable data and information for many areas of interest, but primarily to assist dam owners with accurate and reliable inflow data that will in most circumstances allow for reduced costs for dam repair and rehabilitation while still protecting downstream residents from flooding risk.

The Dam Safety Section performed safety inspections of nine dams. Four high hazard dams owned by the City of Prescott including Willow Creek, Granite Creek, Upper Goldwater and Lower Goldwater Dams. The dams are used for recreation, irrigation and water supply purposes. Four high hazard dams owned by Arizona Public Service, Cholla Bottom Ash and Fly Ash Dams which are located about 5 miles upstream of Joseph City and used for containment of industrial by-products. Patagonia Lake Dam, located about 8 miles upstream of Rio Rico in Santa Cruz County primarily used for recreation and Kennedy Park Dam which is located within the City and also used for recreation and owned by the City of Tucson. Privately-owned Walnut Canyon Dam located in Coconino County. The dam is located upstream of the community of Winona, east of Flagstaff. The dam is considered to be in an "unsafe" condition pending results of engineering safety analyses recently submitted by the owner.

On October 28th, Surface Water Division staff participated in a multi-agency meeting hosted by ADEM for updating the State Multi-Hazard Mitigation Plan. The hazard mitigation plan and its fifteen individual county plans are required to continue Arizona's eligibility for federal disaster assistance and mitigation grants. The Department plays a significant role in recovery efforts after flooding events and in preparing for drought emergency.

On October 29th, Director Guenther co-chaired the quarterly meeting of the Drought Interagency Coordinating Council (ICC). The ICC discussed the results of the poor summer monsoon and the current shift in Arizona's short-term drought status where several Arizona counties are in extreme drought, and the remaining counties are either in severe drought or abnormally dry. The ICC recommended the Department recommend to the Governor that she send a letter to Secretary of Agriculture Vilsack noting the emergency drought conditions on the ground in several Arizona counties.

Assistant Director for Statewide Planning **Tom Carr** and Regional Strategic Planning Manager **Tom Whitmer** attended the Upper San Pedro Water District (USPWD) Work Sessions in October. The purpose of the USPWD Board is to prepare and provide to the public with a detailed plan of organization for the Upper San Pedro Water District; a financial plan by which adequate revenues will be generated to support the district's activities. The Organization Board of the district may recommend a rate of taxation to the elected Board but the Organization Board shall not set the rate of any tax; and a comprehensive plan for the conservation, reuse, recharge and augmentation of water in the district designed to achieve the goal of the district. The plan shall include measurable objectives to be met by the district not later than ten years after the district is established.

Staff **Emily Wunder** of the Community Water Planning – Conservation Program completed installation of the ADWR Rinse Smart high-pressure, low-water use pre-rinse spray valves in the town of Ehrenberg, which became the first community in Arizona to completely retrofit their old pre-rinse spray valves through ADWR's Rinse Smart Program. Ms. Wunder also installed 2 pre-rinse spray valves in the Quartzsite Elementary Schools. The mayor was informed and interested in continuing the program throughout Quartzsite.

Staff **Paul Charman** took part in a Kick-Off meeting to ASME/CSA Task Force on Pre-Rinse Spray Valves webinar meeting. The meeting was attended by interested parties from around the country and was hosted by the U.S. EPA. Mr. Charman also conducted a leak detection training session for Valley Utilities, a private water company located in Glendale. This free training is part of the ADWR Patch the Pipe Program. The Department will loan leak detection equipment to the company for a period of time after the training session for its use in detecting leaks in its distribution system. Mr. Charman also met with Town of Casa Grande representatives to install

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the first pre rinse spray valve at "Barney's Steaks, Seafood and Salad" as part of the Rinse Smart Program. Sponsored by the Abbott Fund, the philanthropic foundation of the global health-care company Abbott Nutrition, which has manufacturing facilities in Casa Grande, ADWR will be partnering with the local University of Arizona Cooperative Extension office staff to install valves in establishments in Casa Grande. The Greater Casa Grande Chamber of Commerce is promoting the program as an easy way to save water. Mr. Charman's activities were recently chronicled in the TriValleyCentral.com online service. Several members of ADWR's Conservation Team also attended the state wide Conservation InfoShare meeting, at the new Nina M. Pulliam Audubon Center in Phoenix. The meetings are quarterly and are attended by conservation persons from towns, cities, private water utilities and federal and state government officials within Arizona.

In September, the Bureau of Reclamation (BOR) announced that the Colorado River Basin States were awarded a \$1 million grant for an appraisal level study of water demand and supply imbalances under climate change and drought conditions under the Water for America Initiative. Throughout October, Department staff have teleconferenced with the other Basin States participants and Reclamation on the scope the study and what each state might bring to the effort, both in terms on in-kind services and cash, and developed a preliminary project schedule and identified steering committee and subcommittee members for the program.

The Colorado River Salinity Control Forum and Advisory Council met to discuss further development of procedures for the new Basin Program. There were reports from the implementing agencies (Reclamation, NRCS and BLM) and USGS about program implementation, including transition from the Parallel Program to the Basin Program and research efforts. The Colorado Salinity Control Forum is authorized by federal statute to identify and fund projects that will reduce salinity of the Colorado River. ADWR's representative to the Forum is Colorado River program manager Perri Benemelis.

October was a busy month for the Department's Adjudication Support staff. They took a field trip with Arizona Geological Survey (AZGS) staff along the Verde River to oversee AZGS' mapping of surficial geology along the Verde River in support of adjudication activities; began work with consultants on addressing Hopi Preliminary Hydrographic Survey Report comments; mailed out approximately 1,000 Summons for landowners who drilled wells in 2008 ensuring that they have filed for water rights, gave a presentation to Gila River Indian Community technical committee regarding the Gila River Maintenance Area impact zone; and gave two public presentations in Sierra Vista regarding ADWR's subflow zone report.

The Subflow Zone Delineation Report for the San Pedro Watershed included color maps of the subflow zones for the San Pedro and Babocomari Rivers, and Aravaipa Creek as determined and prepared by the Department. The report also included a description of the Department's analyses, together with supporting tables, figures and appendices. The Department's report is not a final determination of the location of the subflow zones in the San Pedro River Watershed. The Adjudication division also continued to respond to subflow zone public requests; continued to process new Statement of Claimants (SOC) and maintained the SOC database for its currency; continued to research new SOCs filed in the San Pedro River Watershed and began work on a methodology for cataloging de minimis water users in the San Pedro River Watershed.

Resource Assessment Planning Manager **Linda Stitzer** met with the University of Arizona's Water Resource Research Center staff to discuss a Cooperative Extension project to assess stakeholder interest in a State Water Plan through a series of listening sessions. Identified participants include community members, regulatory agencies, professional groups, watershed groups, county supervisors, water providers and others. The Department plans to partner with the University's effort, which is receiving funding through the Arizona TRIF grant process.

The Regional Strategic Planning unit has provided substantial planning assistance to rural areas with expanding populations, limited groundwater resources and unique environmental features. The Regional Strategic Planning staff has also assisted citizen organizations and local governments by providing technical information, water investigation reports, advice on water issues and attending various meetings throughout the state.

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In October, the staff attended:

- The Yavapai Appraisal Study Technical Work Group Meeting in Prescott,
- The Upper Agua Fria Watershed Partnership meeting in Cordes Junction,
- The Show Low Creek Watershed Enhancement Partnership Meeting,
- Gila Watershed Partnership Meeting in Safford,
- Upper San Pedro Partnership meeting in Sierra Vista,
- Upper San Pedro District Meeting in Sierra Vista,
- A presentation at Kingman/Golden Valley Association of Realtors in Kingman,
- Verde Watershed Association meeting in Cottonwood,
- Northwest Watershed Council meeting in Kingman,
- Yavapai WAC meeting in Prescott,
- Upper Little Colorado River Watershed Partnership Meeting in Eagar,
- NAMWUA meeting in Flagstaff,
- Community Watershed Partnership Meeting in Benson,
- Upper San Pedro Technical Advisory Committee Meeting in Sierra Vista,
- Coconino Plateau Technical Advisory Committee Meeting in Flagstaff,
- Coconino Plateau Executive Committee Meeting in Flagstaff,
- Coconino Plateau Public Education and Outreach Meeting in Flagstaff,
- Coconino Plateau Government Affairs Meeting in Flagstaff, and
- The Coconino Plateau Water Advisory Committee Meeting in Flagstaff.

PHOENIX AMA

On October 7th, Area Director **Scott Miller** and Tucson AMA Water Resources Specialist **Laura Grignano** participated in the monthly meeting for cooperating agencies working on the Bureau of Land Management's application for the Sonoran Energy Project, a concentrating solar power plant proposed in the Phoenix AMA.

On October 20th, Mr. Miller attended the East Valley Water Forum Meeting. Agenda items included an update from the Superstition Vistas Development Group.

Also on October 20th, Conservation Coordinator **Ruth Greenhouse** attended the monthly Arizona Municipal Water Users Association conservation meeting and presented an update on the development of web-based conservation tools for the commercial sector.

On October 22nd, Mr. Miller met with NextEra Energy Resources to discuss a proposed Solar Power Plant project which would be located within the Phoenix AMA.

PINAL AMA

On October 13th, Area Director **Joe Singleton** attended the Pinal County Water Augmentation Authority (PCWAA) monthly meeting. PCWAA serves as a resource and partner for the development and augmentation of water resources for the benefit of all users in Pinal Active Management Area.

On October 22nd, the Pinal AMA Groundwater Users Advisory Council met. The group was updated concerning the Arizona Water Banking Authority's plans for the upcoming year.

On October 26th, the Water Management subcommittee of the Pinal AMA Groundwater Users Advisory Council met to discuss organizational issues related to moving forward with the community assessment of Central Arizona Project's (CAP) planning efforts to recover the several hundred thousand acre-feet of water that has been stored in the Pinal AMA over the years. Local concerns and opinions developed through this public process will be communicated to the CAP Board at their November workshop.

PRESCOTT AMA

On October 22nd, Prescott AMA staff participated in the Verde Valley Project WET Water Festival. The Water Festivals are exciting, hands-on educational tools for 4th graders and teachers that

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incorporate two hours of hands-on, interactive lessons focused on groundwater and aquifers, watersheds and water sources, the value of water and conservation, and the water cycle.

SANTA CRUZ AMA

On October 28th, Area Director **Alejandro Barcenas** participated in a meeting with the Bureau of Reclamation and the City of Nogales to work on identifying potential recharge sites in the Santa Cruz AMA.

On October 30th, Mr. Barcenas attended a meeting at the Nogales International Wastewater Plant. The purpose of this meeting was to discuss potential uses of Mexican effluent water; a reporter from BBC radio is collecting information on water and waste water issues along several International borders.

TUCSON AMA

On October 2nd, Conservation Specialist **Christina Bickelmann** and Water Resource Specialist **Mary Bauer** participated in the Tucson Regional Project WET Water Festival.

On October 5th, Tucson Area Director **Jeff Tannler**, Recharge Specialist **Diane Kusel** and Assured Water Supply specialist **Dawne Wilson** met with Utilities director Dorothy O'Brien from the Town of Marana to discuss the possible permitting of the Town of Marana wells as recovery wells. The Town of Marana is a designated provider and is enrolled with the CAGR as a member service area; the Town wishes to explore options for utilizing more of its recharge long-term storage credits in order to reduce the amount of excess groundwater to be replenished by the CAGR.

On October 8th, and Recharge Program staff met with Rick Koehler regarding a possible recreational lake to be constructed within the Tucson AMA. Statutes affecting the installation of bodies of water were discussed with Mr. Koehler.

On October 15th, Water Resources Specialist Laura Grignano participated in the monthly meeting for cooperating agencies working with the US Forest Service on the Rosemont Mine Environmental Impact Statement.

On October 21st Conservation Specialist Christina Bickelmann participated in a Tucson Landscape Advisory Committee subgroup meeting to discuss plant water use needs for the new City of Tucson water harvesting ordinance. The ordinance requires new commercial development after June 2010 to include a rainfall harvesting system and a plan for harvesting rainfall to meet at least 50% of outdoor landscape needs.

On October 22nd, Area Director Jeff Tannler met with members of the Green Valley Community Coordinating Council, a local planning group, to discuss historic water use in the Green Valley area.

On October 23rd, Conservation Specialist Christina Bickelmann attended a planning meeting at the Arizona-Sonora Desert Museum to discuss whether the 10th annual Tucson Xeriscape Contest will be held in 2010. The event, which highlights the water conservation potential from innovative local residential and commercial Xeriscape installations, has been co-sponsored by ADWR since 2001.

On October 24th, Area Director Jeff Tannler attended a public meeting hosted by U.S. Rep. Gabrielle Giffords regarding the proposed Rosemont Mine. The meeting was held to allow the public to express views on the proposed mine to Rep. Giffords and to Jay Jensen, the Deputy Under Secretary for Natural Resources and the Environment at the U.S. Department of Agriculture. Jensen has direct oversight of the U.S. Forest Service, the agency now analyzing the mine's potential environmental impacts. ADWR is a cooperating agency with the U.S. Forest Service as it assembles the EIS for the mine plan of operation.

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On October 27th, Area Director Jeff Tannler attended a public meeting, sponsored by Rosemont Copper and the Green Valley / Sahuarita Chamber of Commerce, on water issues facing southern Pima County.

On October 27th, Water Resources Specialist Laura Grignano met with a representative from Bell IPC Company to discuss development of a small Concentrated Solar Power plant in the Tucson area.

ASSURED & ADEQUATE WATER SUPPLY

On October 14th, Office of Assured and Adequate Water Supply staff and Hydrology staff had a pre-application meeting with Ben Belkin with Walton Development & Management, Inc. This meeting was regarding 3 projects; Sunland Ranch, Orchard Hills and Palmilla. All three projects are located in the same sub-basin and lie within the Pinal AMA. Mr. Belkin indicated that the hydrostudy that they submit would cover all three developments.

On October 19th, staff participated in a teleconference with Mark Cross and Hale Barter from the Montgomery & Associates Tucson Office and Carolyn Lambert from the Fort Collins office to discuss the pending application for Rain Valley Ranch, Analysis of Adequate Water Supply.

On October 26th, staff met with JVT Investors, LLC, M3 Builders, LLC and Ed Squires of Hydro Logic, Inc.(HLI) to discuss the Wickenburg Ranch project and modification of the designation of Adequate Water Supply. Wickenburg Ranch is located in Yavapai County.

On October 27th, staff met with Chris Catalano of Southwest Ground-water Consultants regarding a project called Commercial Parks. The project is located in Yavapai County. Approximate development size is 175 acres with 75 residential lots and 72 commercial lots. Water service would be provided by Abra Water Company. The purpose of the meeting was to discuss aquifer testing and boundary locations with hydrology

RECHARGE PROGRAM

On October 19th, Recharge Program Staff met with representatives from the City of Surprise to discuss existing and proposed effluent underground storage facilities. The purpose of the meeting was to clarify the City's current and proposed future recharge plans in light of the slowed development activity and waste water treatment requirements.

On October 22nd, Recharge Program Manager **John Bodenchuk** participated in the annual Technical Exchange meeting of the Tucson International Airport Area Superfund site and discussed changes in the water table in the area.

OUTREACH

On October 7th, Director Guenther participated in a water policy panel hosted by the Southwest Region of the Forest Service Regional Leadership Team in Tucson. At the meeting, Director Guenther had the opportunity to meet with several representatives from the Forest Service as well as with water resource participants from the Tucson metropolitan area.

On October 7th, Assistant Director of the Water Management Division Sandra Fabritz-Whitney and Legal Counsel **Fred Breedlove** participated in a follow-up meeting to the September 16th meeting with the Governor's Natural Resource Policy Advisor Michael Anable regarding the proposed solar and wind energy project in the Big Chino sub-basin. The next day, she had a follow up meeting on the same issue with David Green representing Chino Grande.

On October 13th and 14th, the Colorado River Basin States principals attended a bi-national meeting in Mexicali, Mexico. The primary topics are environmental issues and voluntary shortage management or sharing. The bi-national negotiating team has made significant progress in identifying shortage management options and environmental projects ideas. The timetable for reaching a policy framework by December 2010 is an aggressive one due to Mexican national

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elections in 2012 and the desire for a negotiated solution to the water issues at the Border in advance of that date.

On October 13th -16th, Flood Mitigation staff participated in the Arizona Floodplain Management Association's (AFMA) semi-annual conference in Pinetop-Lakeside. Staff met with floodplain administrators from across the State and FEMA representatives, and made several presentations during the conference. Community outreach efforts are a requirement of our federal floodplain management grants. Assistant Director **Michael Johnson** made a series of presentations on dam safety and floodplain management in Arizona. All costs were paid using federal grant funds directed towards these efforts.

On October 20th, ADWR senior staff participated in a meeting with representatives of Mohave Solar to discuss the proposed Hualapai Valley Solar project and the planned sources and use of water to cool the plant.

On October 21st, the Department, along with the Arizona Corporation Commission, hosted a workshop for water providers on Automated Metering Infrastructure (AMI). AMI is a combination of "smart meters" and associated service and operations applications that allow a utility to provide more demand side management options to customers as well as operate systems more efficiently.

In the case of water providers, both the Department and ACC believe AMI has tremendous possibility to enhance water conservation efforts by water system customers. The Department was fortunate that Dr. Don Schlenger, a vice-president with R.W. Beck and a nationally recognized expert on AMI, agreed to participate as the keynote speaker. Representatives from APS and SRP also shared their experiences with AMI as both utilities are about 40% through implementation of AMI within their electric service areas. The Department was especially appreciative that APS hosted the breaks and informal lunch. The workshop was a tremendous success and participants have asked for additional workshops on this topic. Workshop materials are posted on the ADWR website at www.azwater.gov.

On October 21st, Director Guenther met with APS representatives Ed Fox, vice-president of sustainability and Bob Lotts, water resource manager, to discuss their water planning for solar energy at the Solana plant planned for construction on formerly irrigated farmland near Gila Bend. The Solana plant will retire the groundwater used previously to farm and will use less water than the irrigated crops did before, resulting in a net savings of groundwater in that area.

On October 27th, Surface Water Division staff **Steve Dolan** and **Brian Cosson** conducted a workshop at the Flood Control District of Maricopa County on how to properly complete the FEMA "Elevation Certificate". The Elevation Certificate is an important administrative tool of the National Flood Insurance Program. It is used to provide elevation information for structures located in floodprone areas, to document compliance with local floodplain management ordinances, to determine the proper insurance premium rate, and to support a request for changes to flood insurance rate maps.

SUCCESS STATISTICS

SPECIAL EVENTS

Recent reports of violence near our border with Mexico have created concern for the safety of Arizona Department of Water Resources (ADWR) staff performing field duties in the southern areas of the State. For this reason, on October 18th, ADWR hosted a presentation by the U.S. Border Patrol Tucson Sector to discuss border safety for employees performing field work or traveling in the border area. The presentation was given by Border Patrol Agent Mario Escalante, Public Information Officer for the Field Communications Branch. The presentation was also attended by staff of ADEQ, ASLD, ADOT, AGFD and the AG's Office.

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AWARDS AND HONORS

Starting October 1st, ADWR assistant director Mike Johnson will spend two years as a member of National Dam Safety Review Board, the Federal Emergency Management Agency (FEMA) announced. The 11-member Review Board includes representatives from the five federal agencies that own and/or regulate dams - the U.S. Department of Agriculture, the Department of Defense, the Department of the Interior, FEMA and the Federal Energy Regulatory Commission. The Board also includes five state dam safety officials and one private-sector member. The responsibilities of the Review Board include advising the administrator of FEMA, consulting with FEMA on funding for states participating in the National Dam Safety Program, and monitoring state implementation of the assistance program.

LEGISLATION AND EXECUTIVE ORDERS

On October 20th, Director Guenther, Assistant Director of the Water Management Division Sandra Fabritz-Whitney and Chief Counsel **Ken Slowinski** met with members of AZ Well Association to discuss their proposed legislative agenda for the upcoming year.

Also on October 20th, ADWR met with Brad Ross of Resolution Copper and their attorney Carlos Ronstadt regarding their proposed water banking concept and 2010 legislative agenda.

On October 28th, Director Guenther led the agency before the Joint Legislative Committee of Reference on the ADWR sunset review. Representatives from SRP, CAP, Global Water Resources, AMWUA, The Nature Conservancy, Resolution Copper Company, Freeport McMoRan, the AgriBusiness Council and HydroSystems Inc. testified in support of the Department's efforts. The Joint Legislative Committee unanimously recommended a 10 year continuation of the Department.

EFFICIENCY REVIEW

WHAT'S COMING NEXT

GRANTS AND FUNDING

On November 10th, the Arizona Water Protection Fund Executive Commission will meet at the ADWR offices in Phoenix. There are no agenda items at this time.

PROGRAMS AND INITIATIVES

On November 3rd, Colorado River Program manager **Perri Benemelis** will attend a Basin Study Program meeting to discuss the status of the proposed Memorandum of Agreement and Public Involvement Plan as part of the Bureau of Reclamation's funded Basin Supply Project. Also discussed will be the status of subcommittee work to develop a plan of study for water demand assessment, system reliability analysis and the development and evaluation of opportunities for water supply augmentation.

Project work is scheduled to begin in January. On November 4th, Ms. Benemelis will also meet with Central Arizona Project staff to coordinate comments on the Basin Study Program water demand assessment plan of study and the bi-national modeling effort.

Also on November 3rd, Deputy Assistant Director of the Water Management Division **Doug Dunham** and Pinal AMA Area Director Joe Singleton will attend the Governor's Regulatory Review Council meeting during which an amendment to the AMA's Assured Water Supply Rules is scheduled to be considered by the Council. The proposed rule would defer the date when the amount of irrigation grandfathered right "credit" would begin to decline, in keeping with the AMA Goal and Management Plan.

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On November 3rd and 4th, Linda Stitzer of Resource Assessment Planning, **Kelly Mott Lacroix**, Community Water Planning, and Santa Cruz AMA Director Alejandro Barcenas will attend the Transboundary Aquifer Assessment Program (TAAP) - Arizona Workshop in Tucson. This federally funded program to study specific transboundary aquifers includes two in Arizona; the Santa Cruz and the San Pedro. The goal of the workshop is to review progress and evaluate priorities in the draft work plans for the aquifers. In addition to ADWR and the University of Arizona, invited participants include representatives from the USGS, UNESCO, the Upper San Pedro Partnership, IBWC, CILA, and several Mexican Commissions. Representative Raul Grijalva, U.S. Congress, has been invited to attend as well.

On November 3rd, Recharge Program Staff will meet with representatives from Salt River Project (SRP) to discuss an application to renew SRPs Granite Reef Underground Storage Facility permit. On November 4th, staff will meet with the City of Florence to discuss ongoing issues with the operation and reporting relative to their effluent recharge project. On November 10th, recharge program staff will meet with representatives from Central Arizona Water Conservation District to discuss continued elevated nitrate levels in the vicinity of the Hieroglyphics Mountain Underground Storage facility.

On November 6th, Assistant Director of the Water Management Division Sandra Fabritz- Whitney and Chief Hydrologist **Frank Corkhill** will attend a workshop sponsored by the Arizona Water Institute (AWI), Decision Center for a Desert City (DCDC) and the Decision Theater (DT) at ASU. This is part of a series where professionals and scientists jointly address the challenge of using climate change data for watershed and water resource planning. This workshop will focus on uncertainty; exploring sources of uncertainty, including those in climate change projections, and approaches to making decisions in the face of uncertainty.)

On November 9th, Phoenix AMA Area Director Scott Miller and Assistant Director for Water Management Sandy Fabritz-Whitney will facilitate a meeting between ADWR staff and representatives from several cities located within the Phoenix AMA, Salt River Project and the Central Arizona Project to discuss the results of the groundwater modeling to determine physical availability for the Phoenix AMA re designation process.

On November 10th, Colorado River Program manager Perri Benemelis will attend a technical meeting with U.S. Binational representatives to discuss modeling assumptions for the binational modeling workshop in November. The meeting will be held in Las Vegas. The group is evaluating several scenarios relating to Colorado River management in terms of shortage management and various environmental projects that Mexico desires to see accomplished as part of the binational process.

On November 18th & 19th, Ms. Benemelis will meet in El Paso with representatives of the Bureau of Reclamation, Upper Basin States' representatives, International Boundary Water Commission, CILA and Mexico City representatives to begin work on binational modeling.

On November 16th and 23rd, Assistant Director for Statewide Planning Tom Carr and Regional Strategic Planning Manager Tom Whitmer will be attending the Upper San Pedro Water District Board meetings in Sierra Vista and Bisbee. Discussions will continue on the detailed plan of organization for the Upper San Pedro Water District; and the financial plan by which adequate revenues will be generated to support the district's activities. The Organization Board of the district may recommend a rate of taxation to the elected Board but the Organization Board shall not set the rate of any tax; and a comprehensive plan for the conservation, reuse, recharge and augmentation of water in the district designed to achieve the goal of the district. The plan shall include measurable objectives to be met by the district not later than ten years after the district is established.

The week of November 23rd, the Tonto National Forest is scheduled to make a presentation to ADWR and AGFD regarding recent work they have completed in support of their permit application for rights to instream flow in Cherry Creek.

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During the month of November, the Department will produce and submit the following to the Governor's Office:

1. *2009 Arizona Drought Preparedness Annual Report*. This report will summarize drought conditions and drought preparedness activities for water year 2009 (October 2008 - September 2009).
2. Recommendation from the Governor's Drought Interagency Coordinating Group on whether or not to maintain the drought declarations currently in place. The recommendation will be based on the outcome from an upcoming ICG meeting to be held on Thursday, October 29th.
3. Letter to Governor requesting a disaster designation in order to provide federal disaster relief funding related to drought impacts on agriculture in Arizona. ADWR will be requesting that Governor Brewer make a request to Secretary Tom Vilsack so that FSA may conduct the necessary damage assessment reports and survey information required to trigger any possible federal assistance programs for ranchers and farmers.

Also during the month of November, the Community Water Planning Program will produce a water use statistics report tailored to each community water system. Among other pertinent information, this document will include water demand and Gallons Per Capita per Day (GPCD) data for 2006-2008 for each individual system as well as for other systems in their groundwater basin. The report will also serve as a reminder to those that have not submitted an annual water use report or still need to produce a system water plan that meets requirements. Staff will be working to finish the water-use audit books and technologies and getting them ready to post on the conservation website in December. This information will greatly increase the quantity and quality of the ADWR Conservation Website.

OUTREACH

On November 2nd, Director Guenther has been invited by the Joint Legislative Ad Hoc Committee on Mining Regulations to talk about ADWR's statutory authority in regard to mining and how we view and define our role in mining industry operations and any limitations on providing adequate water resource management oversight that might exist in statute.

On November 4th, Director Guenther will talk with the Arizona County Directors of Environmental Health Services Association. They have asked for an overview of ADWR, our budget and water issues.

Also on November 4th, the Phoenix AMA Groundwater User's Advisory Council will meet.

On November 4th, Community Water Planning staff Emily Wunder will attend the Pima County Local Drought Impact Group meeting via phone. The meeting will be held at the library in Tucson. Paul Charman with the Community Water Planning – Conservation Program will be meeting with Town of Wickenburg officials as part of the conservation group goal city plan. Wickenburg officials are interested in borrowing the *Patch the Pipe* leak detection equipment.

On November 5th, Assistant Director of the Water Management Division Sandra Fabritz- Whitney along with Chief Legal Counsel Ken Slowinski, will meet with Robert Schuler, William Staudenmaier, and Shane Leonard to discuss potential legislation.

Also on November 5th, Tucson AMA Conservation Specialist Christina Bickelmann will participate in a monthly City of Tucson (COT) Stormwater/Water Harvesting Standards Subcommittee meeting. The group has been working toward implementation of the COT Commercial Water Harvesting Ordinance, which will require new commercial and development site plans to include a rainwater harvesting plan beginning in June 2010.

On November 6th, ADWR senior staff will attend the Water Utilities Association of Arizona annual meeting at the Phoenix Marriott.

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On November 6th, Ms. Wunder will be meeting by phone with the Superintendent of the Quartzite School District to plan funding possibilities for the Ehrenberg/Quartzite Water Festival. On November 16th, Ms. Wunder will meet with representatives of Arizona American Water Works Association to loan them *Patch the Pipe* Leak Detection Equipment to use in the North Phoenix area. This will enable the water provider to detect leaking pipes within their system, so they can fix them and decrease the lost and unaccounted for water in North Phoenix.

On November 10th, Steve Dolan and Brian Cosson will be conducting a workshop at the Tucson Main Library Conference Room on how to properly complete the FEMA "Elevation Certificate".

On November 12th, the Tucson AMA will hold a Groundwater Users Advisory Council meeting. Among items on the agenda will be the presentation of the Draft 2010 Arizona Water Bank Plan of Operation; and an informational presentation by ADEQ staff on water quality concerns within the Tucson AMA and Pima County.

On November 12th, Director Guenther will provide the ADWR legislative update for the Greater Phoenix Chamber of Commerce Agriculture and Water Committee.

On November 12th, Deputy Director Smith will speak to the AMWUA city managers and on November 19th, Director Guenther will address the AMWUA Board of Directors, comprised of mayors and other elected officials of the cities and towns that comprise the AMWUA membership. Topics will include the agency budget issues and recent achievements within the Phoenix AMA.

On November 13th, Ms. Wunder and Mr. Charman will be presenters at the Fountain Hills WET (Water Education for Teachers) Festival. The Water Festivals are an exciting, hands-on educational tool for 4th graders (and teachers) that incorporates two hours of hands-on, interactive lessons focused on: groundwater and aquifers; watersheds and water sources; the value of water and conservation; and the water cycle.

On November 16th, Director Guenther has been invited by the Ad Hoc Committee on Water & Energy to talk about water resources of the past and the future and the relationship between water resources management and energy production.

On November 17th, Pinal AMA Water Resource Specialist **Patricia Smith** will attend Pinal County's Arizona Project WET (Water Education for Teacher's) meeting as the local department representative.

On November 18th, the Santa Cruz AMA Groundwater User's Advisory Council is scheduled to meet. There are no specific meeting topics at this time.

On November 19th, Director Guenther will participate on a "former legislators" panel as part of the Greater Phoenix Chamber of Commerce annual Board of Directors meeting.

On November 19th, Community Water Planning Manager **Susan Craig** and Ms. Wunder will attend the Arizona State University's Policy and Governance in Sustainable Systems class. This is a collaborative drought monitoring applied project between ADWR, University of Arizona Cooperative Extension and the ASU School of Sustainability. During class, students will present their solution approaches to addressing the issues that are present with *DroughtWatch*, Arizona's drought impact reporting system.

On November 20th, Ms. Craig and Ms. Wunder will attend the Mohave Local Drought Impact Group monitoring workgroup meeting via phone.

On November 23rd, Deputy Director Smith will participate in a meeting of the External Advisory Committee for the Water Sustainability Program at the University of Arizona.

Arizona Water Atlas

Progress on completion of the Arizona Water Atlas continues. The Arizona Water Atlas is a comprehensive compilation of water resource data and information for the State, consisting of nine volumes.

ADWR Monthly Scorecard & Outlook

The final version of Volume 7 - *Lower Colorado River Planning Area* will be posted in November. The final versions include updated water demand data and additional information to that in the draft volumes, including the location and number of surface water right claims in the planning area. The interactive web format provides quick access to water resource information. Print documents of completed Atlas Volumes will be available in the future. With completion of Volume 7, all the non-active management area volumes will have been finalized.

Still to be finalized (in the following order) are Volumes 8 - *AMA Planning Area*, Volume 1 - *Executive Summary*, and Volume 9 - *Resource Sustainability Evaluation* which lays the groundwork for statewide water resource planning.

Regional Strategic Planning

The Regional Strategic Planning unit has provided substantial planning assistance to rural areas with expanding populations, limited groundwater resources and unique environmental features. The Regional Strategic Planning staff has also assisted citizen organizations and local governments by providing technical information, water investigation reports, advice on water issues and by attending various meetings throughout the state.

The staff will attend on:

November 3 - Upper Agua Fria Watershed Partnership meeting in Cordes Junction

November 3 - Picture Canyon Site Visit for Surface Water Rights Determination in Flagstaff

November 4 - Feasibility Scoping Meeting in Sierra Vista

November 4 - Upper San Pedro Executive Committee Meeting

November 5 - Yavapai Appraisal Study Technical Work Group Meeting in Prescott

November 5 - Yavapai Technical Advisory Committee Meeting in Prescott

November 5 - Presentation to Upper Verde Watershed Coalition Safe Yield Work Group in Prescott Valley

November 10 - Show Low Creek Watershed Enhancement Partnership Meeting in Pinetop

November 12 - Gila Watershed Partnership Meeting in Safford

November 12 - Upper San Pedro Partnership meeting in Sierra Vista

November 16 - Upper San Pedro District Working Meeting in Bisbee

November 16 - Presentation to the Mohave County Board of Supervisors in Kingman

November 18 - Presentation at Kingman/Golden Valley Association of Realtors in Kingman

November 18 - Verde Watershed Association meeting in Cottonwood

November 18 - Northwest Watershed Council meeting in Kingman

November 18 - Yavapai WAC meeting in Prescott

November 19 - Upper Little Colorado River Watershed Partnership Meeting in Eager

November 20 - NAMWUA meeting in Flagstaff

November 23 - San Pedro Water District Board Meeting in Sierra Vista

November 24 - Community Watershed Partnership Meeting in Benson