

January 26, 2010

The Honorable Mayor and Council Members  
City of Tucson  
P.O. Box 27210  
Tucson, Arizona 85726-7210

Re: **Comments on the "Water and Wastewater Infrastructure, Supply and Planning Study**

Dear Mayor and Council Members:

On December 3, 2009, the Oversight Committee for the joint Water/Wastewater Study voted 10 to 1 to support the Phase 2 final report. With that action, the mandate of the committee ended and we disbanded. On December 17, 2009, the former chair and vice chair wrote to the City Manager and County Administrator announcing completion of our work and disbanding.

On January 12, 2010, the Mayor and Council and Board of Supervisors held a joint public hearing on the Phase 2 final report. City staff recommended that Mayor and Council approve a resolution supporting the goals and recommendations from City/County staff and the committee; directing staff from both jurisdictions to continue the collaboration started with the joint study; directing the City Manager to appoint staff to coordinate implementation of the goals and recommendations; and proposing that the Citizens Water Advisory Committee, Regional Wastewater Reclamation Advisory Committee, the City Planning Commission, and County Planning and Zoning Committee continue in an oversight capacity during implementation of the goals and recommendations. (The resolutions also proposed a role for PAG in starting Phases III to IV of the approved scope for this study).

At this meeting, Mayor and Council voted to continue consideration of the resolution until its February 17, 2010 meeting and invited additional public comment on the Phase II report. (The Board of Supervisors approved its resolution on a 4 to 1 vote.)

As former oversight committee members who voted to support the report, we submit these comments to Mayor and Council, respectfully urging Mayor and Council to adopt the provisions of the resolution in question supporting our Phase 2 report and directing steps towards implementation. (The committee supported a regional dialogue starting after the completion of Phases 1 and 2, but as the committee never discussed a role for PAG in the process, we do not comment on this part of the resolution.)

We urge you to approve the resolution for three reasons: (1) it is in the best interests of current and future Tucson Water customers; (2) the study was fully open, accessible, and transparent; and (3) the goals and recommendations are supported by an in-depth collection and review of data and facts.

**Implementing the City/County and Oversight Committee Goals and Recommendations is in the Best Interests of Current and Future Tucson Water Customers**

The committee and city/county staff agree Tucson Water and Pima County Regional Wastewater Reclamation Department are well run, professional organizations and that, regarding our current water supply situation, we are in good shape. But, in our introductory message to the Phase 2 Report, we also state:

“We (Committee and staff) agree that we face opportunities and challenges for the future, and we further agree that now is the best time to prepare to meet these opportunities and challenges. There are several drivers of these opportunities and challenges, including **uncertainty** (climate change and drought); **costs** (for maintaining, rehabilitating and replacing our existing infrastructure; diversifying our water supply; complying with new water and wastewater quality standards); and **growth** (to provide for new water and wastewater demands and the infrastructure to meet that demand).

“To meet and benefit from these opportunities and challenges, we are recommending a new direction in how we think about and do water and wastewater resource planning. This new paradigm includes recognizing where we are now (in an arid environment with water scarcity); envisioning a sustainable water future (water now and in the future for people and the environment from renewable sources); and recognizing four elements of water resource planning (comprehensive planning, respect for the environment, water supply reliability, and demand management.)”

Local and state experts agree that Tucson Water’s current entitled water supplies are sufficient for the next twenty to thirty years, but that we will need to take additional actions to provide sustainable water supplies beyond that time frame. We acknowledge that our community will continue growing. To ensure our sustainability, now and in the future, we need to begin developing the capacity to do water resource planning in a smarter, more comprehensive, flexible manner. We recommend that all options regarding our water future be on the table and that all options be explored and evaluated based on social, environmental and economic criteria. There will be plenty of work for the development community in our future; those companies that adapt to the new water resource planning paradigm will flourish and prosper.

**Phases 1 and 2 Were Conducted in an Open, Accessible, and Fully Transparent Manner**

On April 1, 2008, the City Manager and County Administrator disseminated an updated scope of work for the Water/Wastewater Study. The Scope established the Oversight Committee to provide “independent review and oversight (of the joint study) ... to ensure they (Phases 1 and 2) meet the stated desired end products identified in this scope of work.” The Scope set a minimum schedule for the committee to meet at least monthly. The oversight committee, in other words, was the first level of openness, accessibility, and transparency.

Tab 1 presents a tabulation of thirty-six public meetings conducted by the oversight committee between April 2008 and December 2009. Twenty-four public meetings were held during Phase 1 and twelve

during Phase 2. These public meetings lasted anywhere between 1.8 hours and 6 hours. On average, ten of the twelve committee members attended these public meetings. Over both phases, the committee devoted over one thousand person hours to public meetings for this study.

The meetings highlighted in yellow were report writing sessions. In nine of the thirty-six meetings, committee and staff drafted and discussed the final reports for Phase 1 and 2 in public. For the committee, these nine meetings represented a commitment of almost 360 person hours of public deliberations.

The Scope, however, went further than relying only on the Oversight Committee for public comment, directing staff and the committee to report back with a “plan for a broad-based and transparent public process for engaging the community in this study. The outreach plan should address ... procedures for receiving input from all interested parties, including organizations that have expressed interest in this study to date, regarding the study process, public involvement options, and the documents that are produced in Phases I and II.”

Tab 2 contains recommendations for the Phase 1 public outreach plan that were transmitted to Mayor and Council and the Board of Supervisors in a progress report of May 28, 2008. The committee and City/County staff implemented this public outreach plan throughout Phase 1 and Phase 2.

There were opportunities for stakeholders to comment at both the beginning and end of every meeting, as well as to submit written comments throughout the Study. The Committee took these comments seriously, incorporating a considerable number of stakeholder ideas into Committee deliberation and ultimately into the Phase 1 and 2 Reports. While this study focused on Pima County and the City of Tucson, all parties with a stake in regional water and wastewater issues, including other municipalities, water providers and interest groups, were afforded opportunities to submit comments. The Committee kept the door open throughout the process, and gave due consideration to all reasonable public input that was received.

Between thirty-six public meetings and implementation of the public outreach plan, Phases 1 and 2 were truly accessible, open and totally transparent.

**The goals and recommendations in the Phase 2 report are supported by a methodical, comprehensive, technically sound analysis of facts and data**

The “Message from Oversight Committee and Staff” in the Phase 2 Report states:

“The strength of the Phase I and Phase II efforts lies in the thorough compilation of information and the deliberative process among technical staff, Committee members and the participating public. This process fostered mutual understanding of common facts regarding planning for a sustainable water future. Additionally, the values that emerged while discussing technical papers provide a window into the larger set of community values that must be considered in planning for a sustainable water future. The vast areas of agreement provide a solid foundation from which to continue City/County coordination in implementing specific actions to advance

water sustainability. Surfacing areas of divergence is also valuable for highlighting the range of interests and values that exist in the larger regional community and for creating a reference point for future regional dialogue."

Phases 1 and 2 entailed a methodical, painstaking production, review, discussion, and documentation of a comprehensive technical database on water and wastewater systems operated by Tucson Water and Pima County Regional Wastewater Reclamation Department. Phases 1 and 2 were a true collaboration between City/County staff and the committee. The professional stature of city and county staff is acknowledged. Tab 3 presents short "bios" on the ten committee members who supported the Phase 2 goals and recommendations.

While individuals with a wide variety of backgrounds, we shared one trait essential to the successful completion of Phases 1 and 2. We all are well versed in public policy; comfortable with technical discussions; and brought decades of in-depth experience with local issues related to water, wastewater, land use planning, infrastructure, and finance to the discussions.

Tab 4 identifies the twenty public meetings and forty-eight technical presentations and technical papers produced and documented during Phases 1 and 2 of the joint study.

### **Conclusion**

City/County staff and the committee successfully completed the Scope for Phases 1 and 2. We recommend that, at your February 17, 2010 meeting, Mayor and Council endorse the Phase 2 report and direct the City Manager and staff to continue the collaboration started with the joint study; direct the City Manager to appoint staff to coordinate implementation of the goals and recommendations; and propose that the Citizens Water Advisory Committee, Regional Wastewater Reclamation Advisory Committee, the City Planning Commission, and County Planning and Zoning Committee continue in an oversight capacity for implementation.

Respectfully submitted,

Jim Barry

Tina Lee

Chris Brooks

Joseph Maher

John Carlson

Bonnie Poulos

Rob Kulakofsky

Mark Stratton

Bruce Gungle

**Tab 1 Schedule of Oversight Committee Meetings during Phases 1 and 2**

<b>Phase 1</b>			
Meeting Date	Hours	Members Attending	Person Hours
April 9, 2008	2.0	11.0	22.0
April 18, 2008	2.3	11.0	24.8
April 23, 2008	2.0	11.0	22.0
May 12, 2008	1.8	10.0	17.5
May 21, 2008	2.0	9.0	18.0
June 11, 2008	2.8	11.0	30.3
June 26, 2008	3.0	7.0	21.0
July 9, 2008	3.0	9.0	27.0
July 23, 2008	3.0	10.0	30.0
August 13, 2008	2.0	9.0	18.0
August 27, 2008	3.5	8.0	28.0
9//3/08	2.0	9.0	18.0
September 10, 2008	3.0	10.0	30.0
September 17, 2008	2.0	11.0	22.0
September 24, 2008	2.3	9.0	20.3
October 2, 2008	2.3	9.0	20.3
October 8, 2008	1.8	12.0	21.0
October 15, 2008	2.0	8.0	16.0
October 22, 2008	1.0	11.0	11.0
October 29, 2008	2.0	8.0	16.0
November 15, 2008	6.0	10.0	60.0
December 13, 2008	5.5	10.0	55.0
January 10, 2009	3.8	9.0	33.8
February 21, 2009	2.5	9.0	22.5
<b>Total Phase 1</b>	<b>63.3</b>	<b>9.6</b>	<b>604.3</b>

<b>Phase 2</b>			
Meeting Date	Hours	Members Attending	Person Hours
March 19, 2009	3.0	9.0	27.0
April 23, 2009	3.5	9.0	31.5
May 21, 2009	4.0	9.0	36.0
June 25, 2009	3.3	10.0	32.5
July 16, 2009	3.8	10.0	37.5
August 20, 2009	3.8	11.0	41.3
September 17, 2009	4.0	9.0	36.0
October 1, 2009	4.0	11.0	44.0
October 15, 2009	3.5	9.0	31.5
November 12, 2009	3.5	10.0	35.0
November 19, 2009	4.0	11.0	44.0
December 3, 2009	3.0	11.0	33.0
<b>Total Phase 2</b>	<b>43.3</b>	<b>9.9</b>	<b>429.3</b>
<b>Phase 1 + Phase 2</b>	<b>106.5</b>	<b>10.0</b>	<b>1,033.5</b>
<b>Report Writing</b>			
Phase 1	17.8	9.5	171.3
Phase 2	18.0	10.4	187.5
<b>Total</b>	<b>35.8</b>	<b>10.0</b>	<b>358.8</b>

## Tab 2 Public Outreach Plan for the Joint Study

### A. Recommendations for Phase 1 Public Process

The Committee is taking a number of steps to ensure that Phase 1 proceeds in an inclusive and transparent manner. These public outreach steps will include, but not be limited to:

- Stakeholder Identification - An initial mailing list of 1,200 + individuals has been created. This list consists of individuals and organizations that have expressed interest in the study to date, and also includes a list of potentially interested parties obtained from the Arizona Department of Water Resources, Pima Association of Governments, the Water Resources Research Center and internal staff mailing lists. Additionally, staff included lists of homeowner and neighborhood associations, business groups, and environmental groups in the initial mailing list (see attached initial list of potentially interested parties). This list has since been expanded to include names provided on meeting attendance rosters, on-line via the Study website ([www.tucsonpimawaterstudy.com](http://www.tucsonpimawaterstudy.com)), and others who have asked to be added to the mailing list.
- Committee Meetings - All Committee meetings are open to the public and interested members of the public are encouraged to attend and provide input. A call to the audience is included as an agenda item at the beginning and end of each meeting. To encourage broad participation from the interested public, the Committee has agreed to hold meetings at times and places convenient to the general public.
- ADA Accessibility – The Committee will ensure that all meetings are held in ADA accessible facilities.
- Website – An interactive website has been created -- [www.tucsonpimawaterstudy.com](http://www.tucsonpimawaterstudy.com) -- and is maintained providing comprehensive information on the study process. Draft interim documents will be published on the website so interested parties can understand and participate in the deliberative process. The website also includes meeting agendas, meeting notices and meeting minutes, a glossary of terms, all final products, committee members and their bios, a host of related information, and opportunities for public input.
- Phone Line/E-mail Address/Mailing Address – A contact card has been produced with the study number, website address, e-mail address and mailing address to be handed out at meetings of the Oversight Committee and other meetings and public places to increase public awareness of opportunities to participate.
- Meeting Notification – Agendas are posted in accordance with Open Meeting law requirements and distributed to Oversight Committee members, the stakeholder mailing list, and the media and are posted on the study website. Meeting notification will be sent out through various community calendars, and bi-lingual posters about the study and the meetings will be created and posted in libraries and on SunTran buses.
- Media Outreach – The media will be sent a copy of the meeting agenda in advance of each meeting.
- Audio and Text Records of Meetings - Detailed meeting minutes provide a written record of each Committee meeting including public comments received at meetings. All meetings are also being

audio-taped. The written meeting summaries and audio recordings are being posted to the Study website.

- Record of Public Comments – All public comments that are received (at Committee meetings and via e-mail, phone, mail, and website) will be transcribed, compiled, and posted to the study website.
- Video of Meetings – The meetings will be digitally video recorded using a single camera and posted to the study website. Channel 12 has agreed to feature the study and the meetings on City News and Community Calendar. Staff plans to work with Channel 12 on the possibility of having a series produced on the Study. This would include short segments covering the study topics that would air on Channel 12 through the summer and fall, and then these segments could eventually roll into a single DVD to capture the key points in phase 1 and be used for educational purposes. Access Tucson as a venue for airing the video recordings of the meetings will also be explored.
- Outreach to Other Jurisdictions and Utilities - Dan Sullivan, Oversight Committee member and consultant for Pima Association of Governments (PAG), reported at the April 9, 2008 meeting that PAG had extended an invitation to its member jurisdictions to participate in the Phase I Inventory and Assessment. The Chair of the Oversight Committee, Jim Barry, has sent two letters of invitation to participate to all jurisdictions, tribal governments and water/ wastewater utilities - on April 15, 2008, an introductory letter inviting input into the process and to begin a Phase 1 & 2 study of their own, and a follow-up letter May 23rd including the list of topics and study template that the City/County will follow (letters attached). Mark Stratton, Oversight Committee member and General Manager of Metro Water, has agreed to reach out to the other providers through the Southern Arizona Water Users Association (SAWUA).
- Review of Study Documents – In early June, the technical information that is being gathered as part of Phase 1 will begin rolling out in the form of documents and presentations at Committee meetings. All materials that are produced will be posted on the website and stakeholders will be informed of opportunities to comment and their availability. There will be opportunities at each Oversight Committee meeting for questions, input, discussion, and identification of follow-up items by committee members and members of the audience. The Committee expects this effort to be an iterative process. Reference materials will be forwarded to the Committee no later than one week prior to each meeting. Following Committee discussion and public comment at the meetings, staff will respond to issues and bring an update back to the Committee at the following meeting for discussion.
- Involving Outside Technical Experts – The Committee and staff will identify and invite experts to present information at Committee meetings on key topics and to serve as expert reviewers of documents produced or serve on discussion panels as part of the study. A panel of experts may be convened for one or more workshops on future scenarios, growth, and sustainable population.

## **Tab 3 Short Bios of the Ten Committee Members Supporting the Phase 2 Report**

### **Dr. Jim Barry**

Dr. Barry served as Chair of the Oversight Committee and represented the Citizens Water Advisory Committee (CWAC).

Jim Barry earned a doctorate from the Center for Policy Studies, School of Management, State University of New York at Buffalo and a Master's in Urban Studies from Loyola University in Chicago.

Jim has lived in the same mid-town neighborhood, two blocks east of Alvernon, between the Doubletree and 22nd Street, since moving to Tucson in June of 1981. In 1983 and 1984, Jim worked in the district office of Congressman Jim McNulty. From February 1985 to February 2005, Jim worked for Pima County, from 1985 to 1994 for the Department of Transportation/Flood Control District and from 1994 to 2005 as Executive Assistant to the County Administrator. Jim retired from the County in February 2005.

In the spring of 2006, the City Manager appointed Jim to the Citizens Water Advisory Committee (CWAC). He was Chair of CWAC from December 2007 to December 2008. The City Manager and County Administrator appointed Jim as Chair of the City/County Water and Wastewater Oversight Committee

### **Christopher J. Brooks, R.G., Esq.**

Mr. Brooks represents CWAC on the Oversight Committee.

Christopher J. Brooks holds a Bachelor of Science degree in Hydrology from the University of Arizona (December 1989) and a Juris Doctor from the University of Arizona, Rogers College of Law (May 2008). He worked for 16 years in Tucson as a consulting hydrogeologist prior to attending law school and currently works for the Water Resources Department of the Tohono O'odham Nation. Mr. Brooks is an Arizona Registered Professional Geologist, an Advisory Board member of Watershed Management Group, Inc. and vice-president of the Peter Howell Neighborhood Association.

### **John Carlson**

Mr. Carlson represented RWRAC on the Oversight Committee

John Carlson got his Bachelor's degree in 1952 from the U.S. Military Academy, West Point and has a Master's degree in Civil Engineering in 1956 from the University of Nevada, Reno.

John Carlson is a registered professional engineer (civil) in Arizona and California. Mr. Carlson worked for Sundt Corporation & Subsidiaries from 1957 to 1997. During his tenure at Sundt he worked on specific projects, as an estimator/lead estimator on numerous heavy/highway, mining, utility, water treatment and military projects. He also worked for the U.S. Army Corps of Engineers from 1952 to 1956. Mr. Carlson has work experience in a wide range of civil, structural and utility-related engineering projects, including twenty trips to Saudi Arabia & the Philippines overseeing contracts, plus congressional testimony on United States contractor's problems. Mr. Carlson's last professional experience was overseeing the rebuilding of the United States embassy in Moscow.

**Bruce Gungle**

Mr. Gungle represented the Pima County Planning and Zoning Commission (PCP&Z)

Bruce Gungle is a 25 year resident of Tucson who moved here in 1984 to enroll in the Master of Fine Arts program in Creative Writing at the University of Arizona. He has lived in the Tucson Mountain foothills since the fall of 1986, with the exception of a 2 year teaching stint in Japan from 1988-1990. After graduating with an MFA in 1990, Bruce took an active role in a wide array of community groups and an active interest in wilderness conservation issues. Bruce re-enrolled in the University in the mid-1990s, this time across campus in the hard sciences. In 2001 he graduated with a Masters of Science degree in Atmospheric Science, and took a job as a Hydrologist with the United States Geological Survey, Arizona Water Science Center in Tucson, where he continues to work. Bruce was first appointed to the Pima County Planning and Zoning Commission in 1997.

**Rob Kulakofsky**

Mr. Kulakofsky represented RWRAC on the Oversight Committee.

Rob Kulakofsky is a small business owner who has lived in Tucson for 16 years. He has been involved in neighborhood and environmental issues for the last 14 years. Rob helped found several local neighborhood and environmental organizations and served on the boards of several local non-profit organizations. He remains active in the Sierra Club, Center for Environmental Connections, Environmental Justice Action Group and the Gem and Jewelry Arts Academy.

Rob has also served on several policy-making committees dealing with neighborhood issues, open space and the environment. Some of these are the Tumamoc Area Plan Update Committee; Pima County Planning and Zoning Commission Subcommittee on Environmental Ordinances; Pima County Open Space Acquisition Review Committee; and Steering Committee for the Sonoran Desert Conservation Plan. He was also a member of the City of Tucson Board of Adjustment for eight years.

**Tina Lee**

Ms. Lee represented CWAC on the Oversight Committee.

Tina Lee was appointed to the Citizens' Water Advisory Committee (CWAC) in 2008 by Ward 1 Council Member Regina Romero. Her experience in water-related issues includes local, state, and federal regulatory compliance with the Clean Water Act, Safe Drinking Water Act, National Environmental Policy Act, and National Pollutant Discharge Elimination System as an environmental consultant and drainage and flood control issues as a member of the City of Tucson's Stormwater Advisory Committee from 2002-2004.

**Joseph Maher, Jr. AIA**

Mr. Maher represented the City of Tucson Planning Commission on the Oversight Committee.

Joseph Maher, Jr. holds a Bachelor of Architecture degree from the University of Arizona and established his own architectural business in 1983. He has extensive, diverse architectural project experience and community service in Southern Arizona and across the State of Arizona. His credentials reflect a comprehensive diversity of master planning, site and building analysis and feasibility studies along with the diverse and exciting concepts of creating user friendly, functionally cost as well as energy efficiently designed sustainable architecture of all types including Solar & Environmental Homes and additions.

Mr. Maher, Jr. served as the 2009 President SAC-AIA, Southern AZ Chapter American Institute of Architects, Chairman AIA Architecture Week, 2003 to Present, City of Tucson, Planning Commissioner since 2008 and as Board member of Tucson Clean & Beautiful "Trees for Tucson" since 2005. Mr. Maher previously served as a member of the City's Citizens Transit Advisory Committee (CTAC) for the past eight years prior to this membership was Liaison to Downtown Links Committee from CTAC. Mr. Maher is also Liaison to Grant Road Task Force Committee from Planning Commission.

**Bonnie T. Poulos**

Ms. Poulos represented PCP&Z on the Oversight Committee.

Ms. Poulos has been employed as an Assistant Staff Scientist at the University of Arizona since 1992 specializing in microbiology, molecular biology and marine ecology.

Ms. Poulos has committed her free time to the community by participation in organizations and commissions that seek to improve the quality of life in Tucson. Since 1983, she has involved herself in neighborhood groups, transportation commissions and coalitions, regional planning committees, and environmental planning processes, in an effort to become educated about the issues and invoke change from a grassroots level. Her participation on the Water/Wastewater Oversight Committee was motivated by a belief that public health and environmental issues related to water supplies must be brought to the table and have the same due consideration in determining future water policy as do business and growth issues. Water/Wastewater policy decisions are complex and her two-year commitment to the Oversight Committee provides Ms. Poulos with a foundation for communicating some of these complex issues to the general public so they can get involved and make educated choices about future water policies in the region.

**Mark Stratton**

Mr. Stratton represented RWRAC on the Oversight Committee.

Mark has spent the last 16 years working with the Metro Water District in Tucson, Arizona as general manager. Prior to that, he worked as planning manager for Pima County Wastewater Management Department. He is a member of the Arizona Department of Water Resources (ADWR) statewide water advisory group (SWAG), and the external advisory committee for the Water Resources Research Center of the University of Arizona. Mark has also served as president of the Southern Arizona Water Users Association (SAWUA) and has been a member of a number of other water related committees and organizations. He is a Past President of the Arizona Water & Pollution Control Association and currently serves as the Arizona representative on the American Water Works Association's Board of Directors. He received his education at the University of Arizona and graduated with a degree in civil engineering.

## **Tab 4 List of Technical Presentations and Technical Papers from Phase 1 and 2**

### **PHASE 1**

#### **JUNE 11, 2008**

Overview: and History Water/Wastewater Systems in Pima County, presented by Chris Avery, Interim Deputy Director for Tucson Water and Ed Curley, Long-Range Planning Manager for Pima County Regional Wastewater Reclamation Department

History of the Central Arizona Project, presented by Larry Dozier, Deputy General Manager, Central Arizona Water Conservation District

#### **JUNE 25, 2008**

Historical/Hydrologic Overview Of Tucson Active Management Area (AMA), presented by Kenneth Seasholes, Senior Policy Analyst, Central Arizona Project (CAP)

Statewide Provisions Of Groundwater Management Act, presented by Jeff Tannler, Acting Area Director Arizona Department of Water Resources (ADWR) Tucson AMA

Assured Water Supply Rules and Role of Central Arizona Groundwater Replenishment District, presented by Cliff Neal, P.E. Manager Central Arizona Groundwater Replenishment District

Tucson AMA Water Supply And Demand ("Water Budget"); Recharge; Overdraft, presented by Laura Grignano, Water Resources Specialist, (ADWR) Tucson AMA

Customer Demographics; Water Demand; Water Quality; Water Supplies, presented by Chris Avery, Interim Deputy Director for Tucson Water and Eric Wieduwilt, Interim Deputy Director, Pima County Regional Wastewater Reclamation Department

#### **JULY 9, 2008**

Tucson Water Potable Water and Reclaimed Water Delivery Systems and System Conditions, presented by Chris Avery, Interim Deputy Director for Tucson Water

Wastewater Delivery System and System Conditions, presented by Eric Wieduwilt, Acting Deputy Director of Pima County Regional Wastewater Reclamation Department

#### **JULY 23, 2008**

National and State Infrastructure Issues/Tucson Water Capital Improvement Program, presented by Chris Avery, Interim Deputy Director for Tucson Water

National and State Infrastructure Issues/PCRWRD Capital Improvement Program, presented by Eric Wieduwilt, Acting Deputy Director of Pima County Regional Wastewater Reclamation Department

National and State Infrastructure Issues/Regional Optimization Master Plan, presented by Michael Gritzuk, Director, Pima County Regional Wastewater Reclamation Department

**AUGUST 13, 2008**

Overview of Financial Best Practices for Water/Wastewater Utilities, presented by Harold Smith, Partner, Raftelis Financial Consultants, Inc.:

Tucson Water Financial Planning, presented by David Cormier, Interim Finance Director, City of Tucson:

Pima County Regional Wastewater Reclamation Department Financial Planning, presented by Jeff Nichols, Deputy Director of Administrative and Financial Services Division, Pima County Regional Wastewater Reclamation Department:

**AUGUST 27, 2008**

Regional Water Planning Perspectives, presented by Sharon Megdal, Director, Water Resources Research Center

The Ancient Oasis: 4,000 Years Of Agriculture And Water Management In Tucson, presented by Jonathan Mabry, Tucson Historic Preservation Office

Population Trends and Projections, presented by Dave Taylor, PAG:

Population Projection Issues, presented by Bob Cook, alternate member of the Oversight committee

**SEPTEMBER 3, 2008**

Land Use Growth In Pima County, presented by Arlan Colton, Planning Director For Pima County and Albert Elias, Planning Director, City Of Tucson

**SEPTEMBER 10, 2008**

Water Harvesting, presented by Charles Cole, private citizen

Climate-Related Resource Uncertainties – Part 1, presented by Dr. Julio Betancourt, Senior Scientist, US Geological Survey:

Climate Related Resource Uncertainties– Part 2, presented by Kathy Jacobs, Executive Director Arizona Water Institute:

**SEPTEMBER 17, 2008**

Water Resources to Sustain Our Rivers, Wildlife, and Riparian Habitat, presented by Rob Marshall, Director of Science, The Nature Conservancy:

Sustaining Environmental Flows, presented by Julia Fonseca, Pima County Natural Resources Parks and Recreations Department

**September 24, 2008**

ADWR Water Budget For Tucson Active Management Area, presented by Jeff Tannler, Director, ADWR, Tucson Active Management Area and Laura Grignano, Water Resources Specialist, (ADWR) Tucson AMA

**OCTOBER 2, 2008**

Water Resource Availability in the Tucson Active Management Area, presented by Sharon Megdal, Executive Director, Water Resources Research Center:

Tucson Water 2050 Plan Update, presented by Chris Avery, Interim Deputy Director Of Tucson Water

**OCTOBER 8, 2008**

City/County Water Conservation Efforts, Presented By Melaney Seacat, Regional Wastewater Reclamation Department

Conservation And Water Planning Overview, presented By Dennis Rule, Strategic Planning Administrator for Tucson Water And Mitch Basefsky, Public Information Officer for Tucson Water: City/County Water Conservation Efforts

**October 15, 2008**

Potential New Water Sources, presented by Chris Avery, Interim Deputy Director Of Tucson Water:

Acquiring, Developing and Distributing New Supplies for Central and Southern Arizona, presented by Ken Seasholes, Senior Policy Analyst, Central Arizona Project

Storm Water Recharge, presented by Nancy Freeman, Executive Director, Groundwater Awareness League:

**October 22, 2008 Presentations on Sustainability**

Ron Proctor representing Sustainable Tucson

Madeline Kiser representing Sustainable Tucson

Colette Altaffer representing the Neighborhood Infill Coalition

Kendall Kroesen representing Tucson Audubon Society

Tres English representing Sustainable Tucson

Linda Ellinor representing Sustainable Tucson

## **October 29, 2008 Presentations on Sustainability**

Carol West, former City Council member

Dorothy O'Brien representing the Town of Marana

Randy Serallio representing the Center for Biological Diversity

Trevor Hare representing Sky Island Alliance

Jennifer Neely representing the Sierra Club Rincon Group

Christine Cotton representing Malcom- Pirnie

Alice Roe

Amy McCoy representing the Sonoran Institute

William Crosby

Donna Branch Gilby representing Milgro Co- Housing

Nancy Freeman representing Stormwater Awareness League

Michael McNulty representing Arizona Builders' Alliance, the Alliance of Construction Trades, the Marana Chamber of Commerce, the Metropolitan Pima Alliance, the Northern Pima County Chamber of Commerce, Safe and Sensible Water Committee, the Southern Arizona Homebuilders, the Southern Arizona Leadership Council, the Tucson Association of Realtors, the Tucson Metropolitan Chamber of Commerce, and the Tucson Utility Contractors' Association.

Beryl Baker

Charles Cole

Tracy Williams representing Neighborhood Infill Coalition

Leslie Leberti representing the City of Tucson

Tedra Fox representing Pima County

## **PHASE 2**

### **APRIL 23, 2009**

Conservation White Paper, prepared by Val Little, Water Conservation Alliance of Southern Arizona

Reclaimed Water Technical Paper, prepared by City of Tucson and Pima County staff

City/County Consolidated Drought Management Plan Technical Paper, prepared by City of Tucson and Pima County staff

A Primer on Drought and Drought Preparedness, prepared by the Oversight Committee

**MAY 21, 2009**

City/County Water Conservation Technical Paper, prepared by City of Tucson and Pima County staff

Stormwater Management Technical Paper, prepared by City of Tucson and Pima County staff

Riparian Protection Technical Paper, prepared by City of Tucson and Pima County staff

**JUNE 25, 2009**

Location of Growth, Urban Form and Cost of Infrastructure: A White Paper supporting Phase 2 of the Water and Wastewater Infrastructure, Supply and Planning Study, prepared by Stantec Consulting, Inc. and Curtis Lueck & Associates

**JULY 16, 2009**

Integrating Land Use and Water Resources Planning Technical Paper, prepared by City of Tucson and Pima County staff

Population Growth Paper Follow-Up, prepared by Jim Barry, Chair of Oversight Committee

**AUGUST 20, 2009**

Water as an Economic Resource Paper, prepared by the Tucson Regional Water Coalition, presented by Ron Shoopman, President of the Southern Arizona Leadership Council, with a panel discussion with George Frisvold, Professor, Agricultural and Resource Economics, University of Arizona; Carl Bauer, Professor, School of Geography and Development, University of Arizona, and Tom Arnold, Tucson Water.

Cost of Growth Technical Paper, prepared by City of Tucson and Pima County staff

**SEPTEMBER 17, 2009**

Water for the Environment Technical Paper, prepared by City of Tucson and Pima County staff

Additional Water Resources Technical Paper, prepared by City of Tucson and Pima County staff

Water Quality Technical Paper, prepared by City of Tucson and Pima County staff