Water for 2060 Advisory Council

Meeting Minutes – 1:00 P.M., November 18, 2014 OWRB Board Room, 3800 N. Classen Blvd., Oklahoma City, Oklahoma

ATTENDEES:

Advisory Council Members and Representation:

Bob Drake, Agriculture (Davis) Russ Doughty for Charlette Hearne, Oklahomans for Responsible Water Policy (ORWP) (Broken Bow) Mark Helm, Dolese (Oklahoma City) Trent Smith, Small Business (Choctaw) Kevin Smith, Ward Petroleum (Enid) Phil Richardson, Agriculture (Minco)

OWRB and USACE Staff and Consultants:

Cole Perryman, OWRB Jennifer Wasinger, OWRB Owen Mills, OWRB Julie Cunningham, OWRB Darla Whitley, OWRB Mary Schooley, OWRB Lauren Sturgeon, OWRB

Other Attendees:

Brandon Bowman, ODEQ Kent Fletcher, Western Farmers Electric Coop

Introductions and Goals for Today

J. D. Strong, Chair, Oklahoma Water Resources Board (Oklahoma City) Joe Taron, Pottawatomie County Development Authority (Shawnee) Jerry Wiebe, Oklahoma Panhandle Agriculture & Irrigation (OPAI) (Hooker) Nathan Kuhnert, Devon Energy (Oklahoma City) Roger Griffin, Weyerhaeuser (Broken Bow)

Terri Sparks, OWRB Kylee Wilson, OWRB John Rehring, Carollo Engineers Anna Childers, CH2M Hill Bryan Mitchell, CH2M Hill Bryan Taylor, USACE

Mike Mathis, Continental Resources

Mr. J.D. Strong, OWRB Executive Director and Advisory Council Chairman, opened the meeting by welcoming the attendees and asking audience/observers to introduce themselves. Mr. John Rehring, meeting facilitator, noted that Council members had been sent a draft set of recommendations which were compiled based on input from previous meetings. The goal of today's meeting is to receive additional input from the Council and to refine/expand those recommendations so that a draft report can be prepared that is reflective of the Council's desires and intent.

Review of Public Water Supply Measures: Water Savings and Costs

Mr. Rehring turned the Council's attention to the PowerPoint presentation (copy attached), which was sent out in advance of the meeting in PDF format. He noted that in response to requests by several Council members, Carollo Engineers had conducted an analysis of savings/costs of public water supply conservation measures and programs (refer to pages 2-5 of the attached). The analysis was primarily based on conservation scenarios and information provided as part of the *2012 OCWP Update* process. There was some discussion on what scenarios—or mix of scenarios—could best achieve the goal of using no more water in 2060 than is used in 2012. The group also discussed that it might be informative to

include a summary of the potential water savings from various water conservation measures and the respective costs of implementation in the Council's 2015 report to the Governor and Legislature.

Review and Discuss Preliminary Draft Recommendations

The discussion then turned to further consideration and refinement of the recommendations that were drafted for public water supply, crop irrigation, and other water use sectors.

Public Water Supply (PWS) (refer to pages 6-7 of the attached) – based on discussions from the May 20, 2014 workshop, the priorities for "Desired Results" were split into 2 primary categories: 1) reduce distribution system losses, and 2) best practices/information sharing. Several Council members recommended putting regionalization (interconnecting neighboring public water supply systems and/or sharing resources) back on the table as part of the group's recommendations. While interconnections may not help provide new/additional sources of water, regionalization may conserve water through economies of scale and more efficient systems. Highlights of discussion concerning the redrafted recommendations include:

Reduce Distribution System Losses

- Encourage systems to meter 100% of their customer accounts
 - o Some smaller systems cannot afford to purchase and/or read meters
 - o Number of non-metered systems are declining, but meters may not be accurate
- Need clearinghouse of information on meters/technology/etc.
- Can we redirect some Community Development Block Grant (CDBG) or other existing funds toward non-revenue water reduction? Coordinate through the state/federal Funding Agencies Coordinating Team
- Best practices for PWS could include rewards for fixing leaks

Best Practices & Information Sharing

- Public outreach—do not need to develop entirely new materials, but could pull together existing "best of the best" and present that information in a central place
- PWS Best Practices 2(a) should reflect that systems need an overall coordinator for public education and outreach; do not need to form a new state office—establish Portal to get all information together, maybe at an existing agency
- "Best Practices Manual" and other tools would need to be periodically updated
- Need to provide people to conduct conservation education at schools--not just training guides or brochures; many schools may not have the resources/expertise/manpower to incorporate independently
- Vo-techs and cooperative extension services could assist with public outreach and/or distribution of information on a regional scale
- PWS Best Practices 3(c)--strike out legislative requirement for high-efficiency WaterSense products, but use participation as WaterSense partner or adoption of local high-efficiency ordnances as criteria for financing and/or recognition
- Identify other/additional mechanisms to encourage PWS to implement conservation rates
- Need to consider impacts of long-term asset management/replacement (meters, etc.)
- Best practice manual should include methodology to show the "true cost of water"
- Support regionalization/interconnections
 - o Could drive economies of scale
 - Establish and share existing efficiency practices

 Distinguish between mutual aid (sharing supplies intermittently between separate water providers and/or providing central water supply sources or treatment facilities for water providers) vs. consolidation (merging water providers)

Crop Irrigation (refer to pages 7-8 of attached) – input from the May 20, 2014 workshop supported several priorities for "Desired Results" in this water use sector. Recommendations for conservation initiatives were drafted based on that discussion. Additional input by Council members included:

- Identify water use "bench marks" for crop irrigation
- Identify ways to better leverage Mesonet data (similar to lawn irrigation Simple Irrigation Plan "SIP" program-- http://sip.mesonet.org/) via portal; develop stronger links to on-farm irrigation technology?
- Add recognition for hitting a threshold that reduces water use while maintaining crop yield and profit, e.g., Texas demonstration project that gained recognition for implementing water conservation technologies and practices with the goal to grow 200 bushels of corn on 12 inches of irrigation per crop acres ("200-12 Project"-- http://www.northplainsgcd.org/education/200-12-project.html); could recognize successful projects at venues such as the Governor's Water Conference
- State financing programs could include support for meter implementation programs to enhance water efficiency
 - Linked Deposit Program could be mechanism, as individuals do not qualify for state funding programs
- Consider combining PWS and Agriculture Portals

Industrial/Power/Oil and Gas (refer to pages 8-9 of the attached) – based on input received from the August 19, 2014 Council meeting, draft recommendations were developed and distributed for review and consideration. Council member suggestions included:

- Establish benchmarks and share data on the amount of water used for power generation, e.g., gallons per megawatt of power produced and/or percent of water consumptively used
- Establish a Portal to disseminate output from the Oklahoma Secretary of Energy and Environment 's collaborative meetings and other industry information possibly via trade groups (OIPA, OERB, etc.)
- Establish recognition based on shifts from percent of fresh water use to percent of marginal quality water use
- Marginal quality water use items 2(a) and 2(c) (developing alternatives to water for fracking and technologies for treatment of flowback) are already underway via industry; instead use Oklahoma Secretary of Energy and Environment collaboration efforts and Portal development to share information on progress
- Streamlining the site specific stream standards approval process; move to "parking lot"
- Add recommendation to "remove regulatory impediments to reuse"
- Broaden Best Practices 3(a) and (d) to include other industries; not just aggregate

Next Steps and Group Resources

Mr. Rehring noted that a draft report should be ready for consideration by the Advisory Council in the 1st Quarter of 2015. The next quarterly meeting was tentatively scheduled for February 17, 2015, at 1:00 pm. at the OWRB's offices. The Advisory Council's report will be developed as follows:

- OWRB and the consultant team will develop draft text for each of the recommendations discussed at today's workshop by mid- to late January
- Advisory Council members will be assigned one of three subgroups to review the draft text (one subgroup will review, comment, and build on draft text for PWS recommendations, a second subgroup for Crop Irrigation, and the third subgroup for Industry/Other)
- Subgroups may be convened via teleconference to discuss the preliminary draft text
- OWRB and the consultant team will revise the text based on the subgroups' input and submit a full draft report to the full Advisory Council prior to the February 2015 Advisory Council meeting
- Steps for finalizing the report will be discussed at the February 2015 Advisory Council meeting







































