



IDAHO WASHINGTON AQUIFER COLLABORATIVE

iwac.us

9323 N. Government Way PMB 224,
Hayden, ID. 83835

Dan Kegley - President
Terry Pickel - Vice President
Rob Lindsay - Secretary
Ron Wilson – Treasurer
Mike Galante – Past President

Our Water. Our Future.

The Idaho Washington Aquifer Collaborative (IWAC) works to maintain and enhance water quality and quantity for present and future generations by developing management strategies which benefit the Spokane Valley Rathdrum Prairie Aquifer and the Spokane River watersheds.

December 13, 2016, 1:30 – 3:15 PM, Liberty Lake Sewer and Water District
Representatives Present

	Organization	Representative	Email Address
	Avista	Michele Drake	Michele.drake@avistacorp.com
	Avondale Irrigation District	Bob Chandler	bobchandlercda@gmail.com
	Bar Circle S Water Company	Rob Turnipseed	avondalecon@frontier.com
√	City of Coeur d’Alene	Terry Pickel	tpickel@cdaid.org
√	City of Post Falls	John Beacham	jbeacham@postfallsidaho.org
√		Monica Ott	mott@postfallsidaho.org
	City of Spokane RPWRF	Mike Coster	mcoaster@spokanecity.org
√	City of Spokane Water Department	Dan Kegley	dkegley@spokanecity.org
		Bill Rickard	brickard@spokanecity.org
	Coeur d’Alene Tribe of Indians	Laura Laumatia	llaumatia@cdatriben-nsn.gov
√	Consolidated Irrigation District No. 19	Shane Sheppard	consolidatedirrigation@comcast.net
√	East Greenacres Irrigation District	Ron Wilson	ron@eastgreenacres.org
	Hayden Area Regional Sewer Board	Ken Windram Shirley Carter	ken@harsb.org
	Hayden Lake Irrigation District		
√	Liberty Lake Sewer and Water District	BiJay Adams	bijay@libertylake.org
√		Jeremy Jenkins	jjenkins@libertylake.org
	Moab Irrigation District	Kathleen Small	kathleensmall@comcast.net
√	Model Irrigation District	Rick Neal	rick@modirr.org
	Modern Electric Water Company	Bryan St Clair	bstclair@mewco.com
√	North Kootenai Water & Sewer District	Mike Galante	mikeg@nkwsd.com
√	SAJB Program Leader	Tonilee Hanson	sajbinfo@gmail.com

	Spokane Co. Water Resources	Rob Lindsay	rlindsay@spokanecounty.org
√	Spokane County Water District No. 3	Ty Wick	scwd3@comcast.net
√		Kelly Williquette	scwd3enr@comcast.net
	Spokane Tribe of Indians	Brian Crossley	crossley@spokanetribe.com
√	Vera Water and Power	Todd Henry	thenry@verawaterandpower.com
	Facilitation		
√	City Idaho Water Engineering	Bob Haynes	bob@idahowaterengineering.com
	Guests		
√	Associate Founding Member	Alan Miller	autadog@yahoo.com
√	DOH Drinking Water	Ben Serr	ben.serr@doh.wa.gov
√	Spokane County	Amanda Hess	ahess@spokanecounty.org
√	WSU	Melanie Thornton	melanie.thornton@wsu.edu

AGENDA

Welcome and Introductions – President Dan Kegley opened the meeting, welcoming everyone and conducted introductions.

Financial Report – Interim Treasurer, Mike Galante reported a previous balance of \$23,575.50. Deposits of \$10,000 from Idaho Water Resource Board, \$5,000 from the City of Coeur d’Alene and \$0.99 in interest. Total deposits for the month amounted to \$15,000.99.

Expenditures were \$10,000 to KSPS for video productions; \$266 to the USPS store for the IWAC mailbox; \$2,500 to SAJB for one year of administrative and website development support. Total expenditures amounted to \$12,766 leaving a balance of \$25,810.49. VP Terry Pickel moved to approve the treasurer’s report and Kelly Williquette seconded the motion. President Kegley called for a vote and the motion carried unanimously.

The City of Spokane will contribute \$5,000 to the education and awareness video production and dissemination project. An invoice and W-9 form will be sent to Dan Kegley.

Approval of Meeting Minutes – President Kegley called for any additions or revisions to the Minutes for November 8, 2016. VP Terry Pickel moved to approve the minutes for November. Jeremy Jenkins seconded the motion. President Kegley called for a vote and the motion passed unanimously.

Old Business

Election of Treasurer: Ron Wilson, East Greenacres Irrigation District, accepted the nomination to become IWAC’s Treasurer. President Kegley called for any additional nominations. Ty Wick moved to close nominations and unanimously approve Ron Wilson as Treasurer. Terry Pickel seconded the motion. President Kegley called for a vote and the vote carried unanimously. In keeping with the IWAC operating agreements, Ron Wilson, the newly elected Treasurer, will be added as a signatory on the IWAC Mountain West Bank checking account. This completes the slate of IWAC officers and all officers are authorized to sign checks.

Motion to approve slogan - Our Water. Our Future. President Kegley reviewed the November meeting process to generate a slogan and the various catch phrases that were proposed. The preferred slogan was, "Our Water. Our Future." but it was not officially adopted. President Kegley called for discussion. John Beacham researched other organizations who might be using the slogan and found a couple of organizations that had previously used a similar slogan. President Kegley recommended that we check to see if the slogan has been trademarked or has an existing copywrite. The slogan will be re-visited at the January 10, 2017 meeting.

New Business

Water Conservation and Efficiency – Sample Plans: President Dan Kegley provided a detailed summary of the City of Spokane's water use efficiency practices. A document entitled, "[Water Resource Analysis & Water Use Efficiency](#)" details the City of Spokane's plan and can be viewed on the IWAC website or downloaded by clicking on the link above. Past President Mike Galante, North Kootenai Water & Sewer District, reviewed key components of the NKWSD conservation practices.

[Water Conservation and Efficiency Survey Responses](#) Both Dan and Mike referenced the Survey responses. The survey is a start at understanding the commonalities and differences in rate structures, conservation messages, and efficiency measures that are being implemented and tested across the region. All purveyors who have not yet responded to the survey are encouraged to add their data into the survey. The intention is to use the survey information to identify areas for unified water conservation implementation.

The presentations and discussion touched on a variety of important water conservation and efficiency ideas to address the question, "Where will the water come from for continued growth?" Comments are summarized in the categories below:

Management:

- Planning sets different priorities when it shifts the focus from demand to supply.
- Test source meters and replace as needed. Underreporting source meters, in one example, accounted for a 4% discrepancy. Conservation and efficiency planning requires accurate data.
- Replacement of meters is not age related but rather a function of use, e.g. about one million gallons. Some old Neptune meters still meet AWWA standards.
- Link source meters to the office and review usage in real time.
- Conduct a system wide audit.
- 85% of water system capacity is needed for less than 25 % of the year to deal with peak periods and irrigation demand.

Policy:

- Planning departments and developers need to require installation of the correct size meters. Incorrectly sized meters will not measure low flows.
- Water costs need to be reevaluated. Cheap water is going away.

- Board members and elected officials need to be educated about water rights, the value of water and the cost of water system infrastructure. ESWD1 is already out of water rights and purchasing water from Modern Electric and Water.
- We need to change the business model so that the base rate supports operating costs.
- Training and certification needs to be required for irrigation system installers.
- Building codes need to require smart sensors.

Conservation Practices and Devices:

- Employing an EPA certified irrigation auditor and conducting audits has resulted in significant public response.
- Retrofit sprinkling systems with Smart controllers especially in parks, golf courses and cemeteries. There is approximately a three year return on investment.
- Give away low flow devices and assist with installation.
- Use web-based meter reading for commercial users.
- Rebates for installing low flow toilets are no longer needed as developers and manufactures are addressing new codes requiring low flow devices.
- In Kootenai County, Home Owner Associations for new subdivisions are requiring that all houses have rain sensors.
- Some large water users have installed irrigation meters to avoid the sewer charges and continue watering green spaces for the desired appearance.
- Agrimet stations have the potential to provide accurate water application information.
- Pivotrack, a Texas firm, is installing soil moisture sensors so farmers know when water needs to be applied. The information from the soil sensor goes directly to the user's cell phone. Return on investment is approximately three years. This could be useful in parks, golf courses, cemeteries and for agriculture.

Education and Awareness:

- Employing an education coordinator has increased public outreach through classroom workshops, website resources and participation in public events.
- Billing inserts are an effective way to get information to customers.

For the Future:

- The City of Spokane is looking at ways to provide their customers a better view of their consumption history in the utility bill, somewhat like Avista's energy comparison between efficient and high use neighbors.

Reuse:

- Airway Heights and Medial Lake have limited water supply and apply reused water in their parks.
- The new casino is putting in the infrastructure to irrigate with reused water as well as toilet flushing.

In the world:

- Water rates in Europe are \$7.00-\$12.00 per 1000 gallons.

- Australian hotels have water meter in the rooms and guests pay a water bill when they check out.

Next Steps: Work in break out groups to target three to four specific areas of water conservation and go to our boards with a unified message.

IWAC website [iwac.us] – Tonilee Hanson demonstrated some of the new content recently added to the IWAC website. Everyone is asked to review the pages within “[Control Contaminants](#)” and “[Use Water Wisely](#)” to identify missing resources and any wording that should be modified or added to represent the IWAC message. One example was noted during the presentation regarding the language for [Point Source](#) NPDES Permit Holders. That page was modified following the meeting and feedback on the changes or additional language to be added would be greatly appreciated. Please send any edits to sajbinfo@gmail.com.

Planning for January 10, 2017

Handouts printed or sent via e-mail: IWAC Agenda, IWAC November Meeting Minutes and the Water Conservation and Efficiency Google survey results to date. Previous IWAC meeting agendas, minutes, supporting documents and presentations can be found at <http://www.iwac.us/category/meetings/>.

Adjourn

There being no further business this 13th day of December 2016, President Kegley adjourned the meeting at 3:35 PM.

President Dan Kegley

Vice President Terry Pickel