



IDAHO WASHINGTON AQUIFER COLLABORATIVE

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 Mike Galante - President
 Ty Wick - Vice President
 Bryan St. Clair - Secretary
 Alan Miller - Treasurer

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 region.

September 9, 2014, 1:30 – 3:30 PM, Liberty Lake Sewer and Water District
 Representatives Present

	Organization	Representative	Email Address
√	Avista	Linda Kiefer	Linda.Kiefer@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	Jim Markley	jimm@cdaid.org
√	City of Post Falls	John Beacham	jbeacham@postfallsidaho.org
	City of Spokane RPWRF	Mike Coster	mcoster@spokanecity.org
√	City of Spokane Water Department	Dan Kegley Bill Rickard	dkegley@spokanecity.org brickard@spokanecity.org
	Coeur d'Alene Tribe of Indians	Laura Laumatia	llaumatia@cdatribe-nsn.gov
√	Consolidated Irrigation District No. 19	Bob Ashcraft	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	Alan Miller	alan@haydenirrigation.com
√	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	Jim Lahde	jimlahde@netzero.net
√	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

	Spokane Tribe of Indians	Brian Crossley	crossley@spokanetribe.com
	Vera Water and Power	Todd Henry	thenry@verawaterandpower.com
	Guest Speakers		
√	City Idaho Water Engineering	Bob Haynes	bob@idahowaterengineering.com
	Guests		
√	City of Spokane Valley	Henry Allen	hallen@spokanevalley.org
√	University of Idaho – Water Education	Jim Ekins	jekins@uidaho.edu
√	Idaho DEQ	Gary Stevens	
√	University of Idaho, CDA	Marie Pengilly	mpengilly@uidaho.edu
√	WSU - WISDM	Melanie Thornton	melanie.thornton@email.wsu.edu

AGENDA

Welcome and Introductions - President Mike Galante was absent and Vice President Ty Wick opened the meeting and welcomed everyone. Representatives of IWAC and guests introduced themselves.

Agenda Additions – Vice President Wick called for additions or revisions to the Agenda and no changes were requested.

Approval of Meeting Minutes – The Minutes for August 12, 2014, were approved as submitted.

Financial Report – There was no new financial activity to report for September 2014. Treasurer Alan Miller noted that renewal invoices will need to be prepared and distributed.

Year to Date Expenses amount to \$1,353.00 and the Current Account Balance is \$8,847.70.

Old Business

Conservation Survey - Alan Miller drafted an excel survey for water purveyors to identify conservation initiatives that include actions by the purveyor in the areas of technology, pricing and education and actions by the customer. The draft survey was distributed on September 3, 2014 for comment. The survey was intended to be a quick initial information gathering and additional detail may be requested based on the results.

Several members completed the draft Conservation Survey and found it easy to use.

Conservation Survey discussion, questions and suggestions included the following:

Questions

- General Questions #2: What constitutes “active or passive?”
- Cost: Do purveyors know what the true ‘fixed’ costs are to deliver water and are those costs covered in the meter fee?
- Cost: How will IWAC members normalize costs and account for the different units used? Depending on purveyor, one ‘unit’ may equal 1,000 gallons, one cubic foot, 100 cubic feet or some other amount.
- Is water banking allowed?
- For asset management, how do we account for the scale of difference between large systems like the City of Spokane which is five or more years out to have monthly meter reading and a smaller system like Hayden Lake Irrigation District that has fully implemented monthly billing and radio reading?

Discussion

- Washington State mandates a Water Use Efficiency Plan. Each purveyor is required to set measurable outcomes for reducing water use.
- Meter reading cycles (monthly, bi-annual or annual) and processes (radio or manual reading) make a difference in the ability to identify water loss and make timely corrections. Frequency of meter reading also impacts rate structure.
- Usage per connection varies seasonally with rainfall and micro climates, square footage of lot, the percentage of impermeable surface, and number of occupants. Therefore, conservation goals may need to consider a percent reduction of water use rather than fixed quantities.
- Modern Electric & Water and Vera Water and Power both use electronic reader boards to educate the public with timely messages.
- Waste water planning and conservation initiatives for replacing toilets and washing machines impact indoor water use.
- The initial conservation survey can provide baseline data from which IWAC can promote regional water conservation goals. IWAC can create and a menu of options and water saving tips that all can agree upon.

Suggestions for survey refinement and Implementation

- Keep the 'yes/ no' responses to questions
- Add the utility name and contact information at the top
- Add a survey section for indoor and outdoor conservation: residential and commercial
- Ask Cami Haveman, SRF to modify the excel spreadsheet and compile the results
- Use Survey Monkey for gathering conservation data as it automatically compiles the data entered and produces a report.
- Participate in the AWWA survey and purchase the data results. The AWWA survey closed on 9/30. Next Steps/Follow-up: On 9/18/14 Dan Kegley confirmed that non-members could participate in the survey. Here is the AWWA response: "[Non-AWWA members can respond to all of our surveys and would receive anything free associated with it \(e.g., a non-utility member responding to the benchmarking survey would get the free participant summary report\)](#)". Due to timing and access, the AWWA survey was not distributed.

Liberty Lake Lakemore Project - Bijay Adams, Liberty Lake Sewer & Water District (LLSWD) updated IWAC on the status of the Lakemore residential homes construction project proposal which would add 700 + geothermal wells in a 100 acre site. The City of Liberty Lake issued a determination of mitigated non significance (DMNS). The Liberty Lake Splash and the Spokesman Review notified the LLSWD. LLSWD board of directors met on September 8, 2014 in a public meeting and reviewed the DMNS, twenty plus comments received from IWAC, SAJB, other interest groups and public comments. The LLSWD board voted to assume the lead agency role and issued a determination of significance with requirement for an Environmental Impact Statement. LLSWD filed the papers prior to the September 11th deadline and sent notice to the Lakemore project developers. For more information go to <http://www.spokaneaquifer.org/llswd-assumes-lead-agency-on-lakemore-development/>

Our Gem Coeur d'Alene Lake Symposium is being held on November 18, 2014 and the Spokane River Forum Conference is November 19 – 20, 2014, CDA Resort – Registration is open for the Spokane River Forum Conference. Topics of interest on 11/19/14 **Urban Growth and Future Water Demand** from 11:35 to 12:35, and research by Dale Ralston, Gary Johnson

and John Porcello will be discussed in ***Hydrogeology: Ground Water Pumping and River Flows Parts I and II*** from 2:45 to 5:00 pm. For the complete agenda go to <http://spokaneriver.net/wp-content/uploads/2014/09/SRFConferenceAgendaweb.pdf>

New Business

Spokane Waste Directory Website Demonstration - The Spokane River Forum working with funding from a Department of Ecology Public Participation Grant and support from EnviroStars Sponsors recently launched the Spokane Waste Directory. Businesses and residents can access a data base of 258 wastes and 100 vendors who properly dispose of wastes. A map and direction feature is included as well as information about the dangers of improper disposal and links to the vendors' websites. Please link to www.SpokaneWasteDirectory.org from your websites or include the information in your newsletters, billing inserts and electronic reader boards so we can all help businesses and residents properly dispose of wastes that can't go into the trash or recycling bins.



Due to funding by the Washington Department of Ecology and SAJB, the waste directory currently provides information for Spokane, Lincoln and Stevens counties in Washington. If there is interest in Kootenai County the Waste Directory website could be expanded in the future. The waste disposal options may currently be useful to Idaho residents who work in Spokane County.

October 14, 2014 - SAVE THE DATE – WSU WISDM Project, Melanie Thornton will facilitate a focus group discussion. Information from the focus group will be used to guide questions used for information and feedback in a plenary session at the Spokane River Forum, November 19-20. Your perspectives and opinions are important so please plan to attend.

Future IWAC Agenda - Bob Haynes will contact Steve Robischon at the Palouse Basin Aquifer Collaborative (PBAC) and investigate how other bi-state collaborative can inform IWAC's work and help avoid pitfalls that they may have encountered. Representatives of other Bi-state Collaboratives could be invited as panelist for a discussion of the opportunities that collaboration presents before regulatory agencies develop mandates.

Henry Allen raised the question of models. The USGS Bi-State model is calibrated and agreed upon between Idaho and Washington and has identified technical limitations. Newer models may provide a finer resolution of data and are not calibrated. When decisions need to be made, how do we know which model to use? Which models provide the most informed answer to emerging questions? Which models will stand the test of time?

Handouts: Agenda, 8/12/14 meeting minutes, SRF Conference flier

Previous IWAC meeting agendas, minutes, supporting documents and presentations can be found at <http://www.spokaneaquifer.org/category/iwac/iwac-agendas-minutes/> and <http://www.spokaneaquifer.org/idaho-washington-aquifer-collaborative/initiatives/>