



IDAHO WASHINGTON AQUIFER COLLABORATIVE

2160 West Dakota Ave.
 Hayden, ID 83835-5122
 208.772.2612
 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.

August 12, 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		
√	Idaho Water Engineering	Bob Haynes	bob@idahowaterengineering.com
	Guests		
√	University of Idaho – Water Education	Jim Ekins	jekins@uidaho.edu
√	City of Spokane Valley	Henry Allen	hallen@spokanevalley.org
√	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 opened the meeting and welcomed everyone. Representatives of IWAC and guests introduced themselves.

Agenda Additions - President Galante called for additions or revisions to the Agenda and no changes were requested.

Approval of Meeting Minutes – The Minutes for June 10, 2014, were approved as submitted.

Financial Report – The Financial report for July and August 12, 2014 was submitted by IWAC Treasurer, Alan Miller.

Income

- \$ 0.00 No new membership income was received
- \$ 0.37 Interest Income

Expenses

- \$ 100.00 VISA gift card for Logo Winner Jessica Hastriter

Year to Date Income from Membership Dues

\$5,500.00

Year to Date Income from Interest

\$ 2.55

Year to Date Expenses

\$1,353.00

Current Account Balance

\$8,847.70

Old Business

IWAC Winning Logo Design, Jessica Hastriter, News Release – DRAFT

The news release draft which was sent out for comment was edited to reflect Linda Kiefer’s suggestion to include IWAC contact information. Members suggested the news release be sent to local publications including the Inlander, Spokesman Review, Washington Water Resource Center, IWRRI, University Of Idaho Argonaut, Liberty Lake Splash and others.

IWAC Goals – Mike Galante, Ty Wick and Bob Haynes met to discuss IWAC goals. Potential actions for full group discussion include:

- IWAC Water Demand Forecast Study - Seek funding sources
- Conservation and Education – Prepare a white paper that includes a matrix of conservation and education initiatives implemented by members and the results of each type of initiative. Conservation initiatives could then be assigned a value for their effectiveness. Once Idaho and Washington water purveyors reach consensus on which conservation measures work, IWAC can issue policy recommendations.

New Business

Conservation and Education Initiatives - Discussion of Conservation and Education initiatives included the following ideas:

- NKWSD- Mandatory non-irrigation period from 12 to 6 pm June – Sept. The initiative included education to inform customers about the loss of water to evaporation. Field staff that would work with customers including adjusting irrigation timers. Newsletter, post cards and change to automated monthly billing. The unforeseen consequence was heavy demand during the morning hours.
- Modern Electric and Water – Modern engaged a contractor and performed system wide leak detection and repair reducing water loss from 27% to 8.7%. Fire hydrants were a significant source of water loss. Other conservation and education measures include metering, billing, backflow, rebates, quarterly newsletters and an electronic reader board.
- Effective Incentives
 - Rebates for low flow toilets, dishwashers and washing machines.
 - Mandatory odd-even days for watering,
 - Economically driven - tiered water rates with higher rates for higher use
- Ineffective
 - Rebates or free installation of rain gauges and sensors
- Resources
 - Aquifer Atlas new Conservation page
 - Lake-A-Syst Booklet <http://www.ourgem.org/documents/lakeasyst.pdf>
 - AWRA – Pricing structure
 - AgriMet – Formula for calculating degree days
 - Water Savers Educational Materials - www.projectenergysavers.com/water
 - Spokane County provided a one page handout of conservation initiatives
 - SAJB provided a handout that provides an overview of all SAJB education initiatives to date.
- Issues
 - Landscapers –Certification is not required for the installation of sprinkler systems. Landscapers want the yard to look good so they over water and over fertilize. Design requirements and best practices need to be established for irrigation and sprinkling systems

Water Use Efficiency / Conservation Plans

The Washington Department of Health which regulates drinking water also requires all water purveyors to produce a “Water Use Efficiency” plan. Purveyors are required to establish goals for how many gallons of water will be saved and where the water savings will be made.

In Idaho, conservation plans are required by the Department of Water Resources when an entity seeks new water rights or requests changes. To date there is no enforcement nor penalty if a conservation plan is not prepared. The City of Post Falls and NKWSD have conservation plans and the City of Coeur d’Alene has implemented conservation measures without a mandate.

Suggestions for Next Steps:

- Create an IWAC conservation message that can be included with customer bills, and in purveyor newsletters
- Write an IWAC press release, IWAC column and e-news similar to the Spokane River Forum or Lake Roosevelt Forum.
- Develop a handbook of conservation measures with specific options for different size water providers.
- Alan Miller and Bob Haynes developed a simple 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 survey was distributed on September 3, 2014.

Spokane River Forum Conference November 19 – 20, 2014, CDA Resort

Planning for the November SRF conference is underway but is still in a draft phase. Conference Strands include but are not limited to:

- Water rights, groundwater pumping and instream flow, and future water demand
- Green Solutions: source control, low impact development and land management best practices
- Water Quality: PCBs, defining measurable progress, non-point source Control
- Fisheries: aquatic invasive species, riparian restoration, Phosphorus reduction

Plenary Sessions:

- Water Supply 101: Truth Fiction and Values – Informal polling using clickers
- WISDM Bi State water supply dialogue
- Green Infrastructure the Lancaster PA Story
- Climate Change

Sept 9, 2014 –Agenda Planning - Conservation and Education Survey Questions

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.

Updates Around the Table

BiJay Adams, Liberty Lake Sewer & Water District updated the group on concerns regarding the Lakemore residential homes construction project, which includes a proposal for 700 new wells in a 100 acre area, for Ground Source Heat Pumps to each residential home.

Following BiJay's update, the IWAC members discussed concerns of the potential to contaminate the aquifer on a large scale if the proposed wells fail for any reason and/or if contaminants were injected accidentally or not in the unmonitored wells. So far, agencies have not developed policy guidance on using ground water wells without casing, for this new type of heat pump design. Also, due to the newness of this product design, scientific evaluations / analysis data on long-term use of these wells is not available, and thus the extreme concerns of putting in such an extensive number of wells (700) over the aquifer. IWAC members discussed the need to pursue this further through all possible avenues, and to request state help on setting policy guidance for this type of heat pump design to assist local and regional water quality protection issues.

For additional questions contact Bijay Adams at 509-922-9016. The website address with the Lakemore application is <http://www.libertylakewa.gov/196/Public-Notices>. The City of Liberty Lake contact information was sent to members following the meeting and the deadline for comments was August 22nd. IWAC President Mike Galante and SAJB President Ty Wick each prepared and sent letters of concern from the respective organizations.

Handouts:

- Agenda
- June 10, 2014 Meeting Minutes
- IWAC Treasurer's Report
- IWAC Logo Contest Press Release
- Spokane County Water Conservation and Education Initiatives
- SAJB Water Conservation and Education Initiatives
- NKSWD Conservation Materials from www.projectenergysavers.com/water
- SRF Conference DRAFT Agenda

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/>