



IWAC

Idaho Washington Aquifer Collaborative

October 8, 2013, 1:30 – 3:40 PM
Liberty Lake Sewer and Water District

Officers: President Mike Galante; VP Ty Wick; Secretary Bryan St. Clair; Treasurer Alan Miller
Representatives Present

	Organization	Representative	Email Address
√	Avista	Linda Kiefer	Linda.Kiefer@avistacorp.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	Mike Neher	mneher@postfallsidaho.org
	City of Spokane RPWRP	Mike Coster	mcoaster@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@cdata-nsn.gov
	Consolidated Irrigation District No. 19	Bob Ashcraft	consolidatedirrigation@comcast.net
	East Greenacres Irrigation District	Ron Wilson	
	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
√	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	thentry@verawaterandpower.com
	Guests		
√	Spokane County Water Resources	<i>Mike Hermanson</i>	mhermanson@spokanecounty.org
√	Idaho Water Engineering	Bob Haynes	bob@idahowaterengineering.com
√	Water Now Consulting	<i>Toni Taylor</i>	waternowservicesandsolutions@gmail.com

AGENDA

Welcome and Introductions - President Mike Galante opened the IWAC meeting and welcomed everyone. Representatives and guests introduced themselves.

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

Approval of September 10, 2013 Meeting Minutes – It was noted that the minutes e-mailed to the participants omitted the names of three members in Old Business - Membership Recruitment. The omission was corrected in the printed handouts and is corrected here for the record. No other additions or corrections were made.

IWAC members to date are listed in alphabetical order:

- Consolidated Irrigation District No. 19
- Hayden Lake Irrigation District
- Liberty Lake Sewer & Water District
- North Kootenai Water & Sewer District
- Spokane County Water District No. 3
- Vera Water & Power

Financial Report – Treasurer Alan Miller reported no new membership income. Expenses to date were \$110.00 paid for note taking the months of June and August. Six utilities: NKWSD, SCWD#3, HLID, LLSWD, Vera W&P, and CID have paid dues in the amount of \$5,416.67. Other income: Interest income of \$0.13 was received. The current account balance is \$5,306.67.

Old Business

Membership Recruitment- IWAC membership invoices were drafted for both members and non-members requiring an invoice for processing a payment to IWAC. The invoices were reviewed and revised. Invoices will be prepared and sent per request to water departments in the cities of Spokane, Coeur d'Alene and Post Falls. Dues paid in October, November and December of 2013 will cover 2014.

IWAC Goals – Next Steps – President Galante re-stated the IWAC goals regarding water quantity, water quality, conservation and education & awareness and asked those present to consider how the Water Demand model and previous presentations can inform and guide IWAC's next steps.

1. Look for alignment between the IWAC goals and presentations by: Dale Ralston, Guy Gregory, John Porcello, Melanie Thornton and Mike Hermanson
2. Recommend additional information needed in relation to the IWAC Goals?
3. Provide contacts from whom can the needed information can be obtained?
4. Bring suggestions or recommendations to the November 12th meeting.

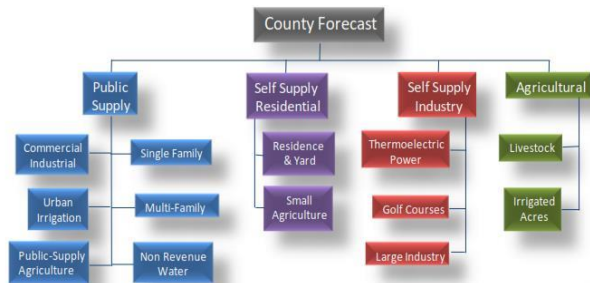
All presentations are available at <http://www.spokaneaquifer.org/idaho-washington-aquifer-collaborative/initiatives/>

New Business

Guest Speaker: Mike Hermanson, Water Resources Specialist for Spokane County Utilities, provided an update to the Spokane County water demand forecast model.

Water Demand Model Overview

- Segregated by Water Use Sector
 - Each subsector has a unique sub-model, or method of calculating water demand

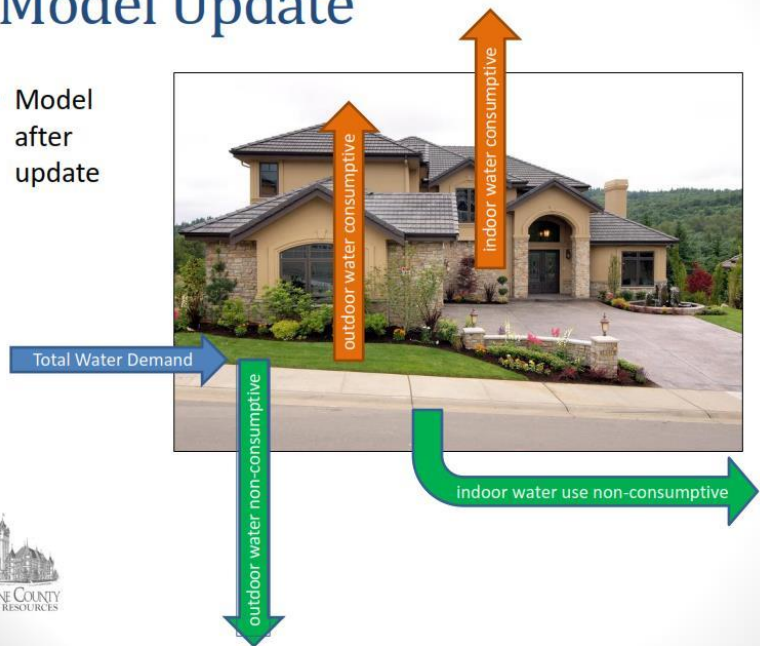


Forecasts for water demand were based on factors such as: demographic forecasts; housing and employment projections; water system data; monthly water use by sector from 15 water systems over a 20 year span; agricultural census; aerial photo interpretation; park irrigation records; self-supplied industrial; and county subarea demand.

The earlier Water Demand Model did not distinguish between consumptive and non-consumptive demand. The updated model separated water demand for each sector and sub-sector into consumptive use and non-consumptive use and accounted for the return flow of non-consumptive water use.

Model Update

- Model after update



Mike Hermanson's entire presentation is available at

<http://www.spokaneaquifer.org/spokane-county-water-demand-forecast-model-update/>

Discussion

- Property location, lot size and soil type make a difference in the quantity of water used and must be considered when calculating future water demand. For example:
 - In Chattaroy, WA lots range from 2.5 to 10 acres. Fire is a real danger and maintaining a fire green space requires greater water consumption.
 - Pine River Park urban sized lots use half the water of a Chattaroy property.
 - Properties near Hangman Golf Course have soil composed of more clay which retains water and use half the water of the Pine River Park properties.
 - Housing developments, until recently, graded the entire property removing the top soil and re-selling it. These developments now tend to use high volumes of water to maintain lawns. Lacking top soils, water is quickly absorbed into the highly permeable sand & gravel sediment.
- Idaho and Washington Water purveyors agree that a bi-state water demand model is needed for future regional decision making. This would also support an IWAC goal of creating a bi-state baseline status document.
 - Idaho representatives expressed interest in refining the Idaho water demand model to align with the Spokane County water demand model.
 - A CDM *Camp, Dresser & McKee* Consultant, located in Denver, worked on the original Spokane County demand model. It took about 6 months for the technical work and cost \$100,000. The update and forecast which separated consumptive and non-consumptive water use was completed locally by Mike Hermanson analyzing available data.
 - Idaho will review the existing water data and determine whether or not data parameters used in the Spokane County water demand forecast model are available for Idaho. Data availability, or lack thereof, may drive up costs.
 - A comprehensive and consistent, i.e. "apples to apples" forecast for the entire SVRP Aquifer will be needed and it needs to distinguish between consumptive and non-consumptive water use.
 - CAMP is considering updates to the Idaho demand model so using comparable data to Spokane County seems important. Possibly contracting with the same consultant might be worthy of consideration. Another idea was to partner with local universities such as the University of Idaho Water resources. It was recommended that if a proposal is submitted to CAMP, it would be preferable for the consulting firm to submit the RFQ/P and keep IWAC out of the process.

Updates Around the Table

Ty Wick reported that the Washington Department of Ecology will move ahead in 2014 with Instream flow rulemaking for the Spokane River. Mike Neher reported that the Spokane River Stewardship Partners (SRSP) was approached by Ecology to lend support to rule-making. SRSP declined to support the rule-making process.

SAJB funded Tonilee Hanson's administrative facilitation in 2013 and requested reimbursement. President Galante asked SAJB to generate an invoice for payment.

Jim Markley reported that the new well, which had been delayed due to an expired driller's license, has now been completed. The drilling company paid significant fines but has reinstated their Idaho drilling license.

The meeting adjourned at 3:40 p.m.