



IDAHO WASHINGTON AQUIFER COLLABORATIVE

iwac.us

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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.

March 13, 2018 1:30 – 3:45 PM, Liberty Lake Sewer and Water District

Representatives Present

	Organization	Representative	Email Address
	Avista	Chris Moan	chris.moan@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 Monica Ott	jbeacham@postfallsidaho.org mott@postfallsidaho.org
√	City of Spokane Water Department	Dan Kegley	dkegley@spokanecity.org
√	Coeur d’Alene Tribe of Indians	Laura Laumatia	llaumatia@cdatriben-sns.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	Branden Rose	branden@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	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
√		Chris deGroot	
√	SAJB Program Leader	Tonilee Hanson	sajbinfo@gmail.com

	Spokane Co. Environmental Services	Rob Lindsay	rlindsay@spokanecounty.org
	Spokane County Water District No. 3	Kelly Williquette	scwd3engr@comcast.net
	Spokane Tribe of Indians	Brian Crossley	crossley@spokanetribe.com
	Vera Water and Power	Todd Henry	thenry@verawaterandpower.com
	Facilitation		
	Guests		
√	City of Spokane	Cadie Olsen	colsen@spokanecity.org
√	City of Spokane	Doug Greenland	dgreenlund@spokanecity.org
√	GSI Water Solutions	Kenny Jansen	
√	GSI Water Solutions	John Porcello	JPorcello@gsiws.com

AGENDA

Welcome and Introductions – President Dan Kegley called the meeting to order at 1:35 pm and everyone introduced themselves.

Agenda Additions or Revisions – The agenda was modified to accommodate John Porcello’s travel schedule and cover new business first.

New Business

GSI Solutions - John Porcello provided an overview analysis of water conservation measures in California and the state rules that are driving the conservation measures. Two rules are significantly impacting water use in the construction of large planned communities. CAL Green Plumbing codes regulate indoor fixtures and appliances requiring approved WaterSense models for efficient water use. Outdoor water use has been reduced due to Governor Brown’s Drought Executive Order of April 1, 2015 (EO B-29-15) which directed the Department of Water Resources to update the [State’s Model Water Efficiency Landscape Ordinance](#) (MWELo) through expedited legislation.

The State of California Department of Water Resources, as the largest supplier of water in the state, used a top down approach. Local municipalities were required to either adopt the state’s landscape irrigation ordinance or develop one of their own that was at least as effective as MEWLO in conserving water.

The 2015 updated MWELo focused on Maximum Applied Water Allowance (MAWA), turf limitation in new builds and provided grant funds for turf reduction in existing landscapes. The rule also designated four categories of planting based on evapotranspiration criteria. The California Irrigation Management System relies on the University of California (UC) Extension Service for technical assistance. UC Extension has developed comprehensive lists of plants that are recommended for different parts of the state and different hydro zones. Plants are categorized by water demand, evapotranspiration annually and monthly as well as the more standard sun and shade categories.

John referenced a literature review which looked at water use changes in indoor water fixtures and appliances. The review indicates that water use in new homes dropped by 25% over the past decade. New dishwashers and clothes washers use 60% less water than the older models and new bathroom fixtures use approximately 10% less water than older models.

Large community developers are required to plan and enforce the MWELD rules which include submitting:

- Water Efficient Worksheet and Water Budget worksheet
- Soils Management and Grading Plan,
- Irrigation Design Plan including plant selection based on evapotranspiration, planting rules and the percentage of land allowed to be turf.
- Graywater systems
- Stormwater and Rainwater Retention

Audits are required for installation, maintenance and irrigation scheduling. The audits must be conducted by someone not involved in the installation. John Porcello felt that new build is the place to accomplish water conservation if ordinances and permits require conservation.

A new development constructed by Newland Sierra in San Diego County near Escondido estimates a 43% reduction in indoor water use based on CAL Green Plumbing Codes. [Newland unveils San Diego's first carbon neutral community](#). Newland is currently working to expand their [Eagle Ridge Development](#) near Highway 195 south of Spokane.

IWAC members expressed appreciation to John for sharing his expertise and California water conservation experience with our group.

Discussion focused on the challenge for our region when water is seen as a limitless resource and to date there are no irrigation design standards tied to building permits or ordinances.

Possible regional messages for the public include:

- The Spokane River and the SVRP aquifer are connected. Your yard and the water you use in your yard is connected to the river.
- It is in your enlightened self interest to reduce your water use.
- Altruism approach: Do you want water available for your children and grandchildren?
- Do you fish? Then let's save water to ensure there will continue to be fish in the river.
- Would you like to be rafting and fishing on the Spokane river or stuck mowing your lawn because there is not enough water in the river?

Other considerations:

- What is the approach for engaging city planners? Currently there are planning permit requirements for green space around developments that may be counter-productive to water conservation.
- Are grassy swales the best way to process stormwater? Could drought tolerant, native plants be more effective?
- Are changes needed in the state stormwater manual?

Approval of Meeting Minutes – President Kegley called for additions or corrections to the minutes for February 13, 2018. No changes were requested. BiJay Adams moved to approve the February meeting minutes and Ron Wilson seconded the motion. The minutes were approved with no changes.

Financial Report – The Treasurer’s Report was submitted and reviewed by Ron Wilson. Ron also shared copies of the 2016 IWAC tax forms prepared by Anderson Brothers CPA, PA. Terry Pickel made a motion to approve the financial report. BiJay Adams seconded. Cadie Olson commented that the report was excellent. It was succinct and thorough. President Kegley called for a vote and the Treasurer’s report was approved as submitted.

Ron Wilson reported that Tonilee Hanson submitted a reimbursement invoice for web hosting services for www.iwac.us from 2015-2018.

3/12/2015	BlueHost Invoice 21336408 - Starter Web Hosting & Domain Name Registration	\$59.40
2/12/2016	BlueHost invoice # 25878660 - 12 months web hosting and 1-year domain name renewal	\$105.87
2/28/2017	BlueHost invoice #31905158 12 months Plus Hosting	\$155.88
3/1/2017	BlueHost Invoice # 31927985 One-year domain name renewal	\$15.99
2/26/2018	BlueHost Invoice # 39413257 One-year domain name renewal	\$15.99
2/27/2018	BlueHost invoice # 39431948 - 24 months web hosting - Plus	\$287.76
	Total Reimbursement	\$640.89

Terry Pickel moved to approve payment of the IWAC Web hosting reimbursements to Tonilee Hanson. BiJay Adams seconded the motion. President Kegley called for discussion and hearing none he called for the vote. The motion was approved.

Old Business

Irrigation Design Standards Update - BiJay Adams and Dan Kegley proposed that a consultant be hired to fully develop the draft irrigation design standards and unify the work across the region. It may be important in our region to present the standards as a solution not regulation. BiJay will draft a scope of work and RFP for the consultant. He will also get some cost estimates for consideration at the IWAC meeting on April 10, 2018.

IWAC 2018 Conservation Video – President Kegley made a presentation to the Kootenai County Aquifer Protection District (APD) on February 28, 2018. IWAC is requesting \$10,000 as partial funding for a 2 to 3-minute video on water conservation and two shorter public service announcements. On March 14, 2018, APD will make funding decisions for the budget cycle beginning October 2018. The cities of Coeur d’Alene and Spokane have already committed \$5,000 each to the project. There is also the possibility of approaching Ecology and IDEQ for funding.

The goal would be to contract with KSPS for \$15,000 in 2018 and \$15,000 in 2019. The script and video content would be developed in 2018 and completed by February 2019 in time for the Home Show and Parade of Builders along with a media buy for airing the videos.

IWAC 2018 Budget Update – Dan Kegley – Dan presented the anticipated budget items for review. The Spokane River Forum (SRF) funding request for the H2O Breakfast, May 9, 2018 at Historic Davenport Hotel, Spokane, WA was discussed. The draft budget was changed to include \$750 for SRF in 2018 and \$750 in the 2019 budget.

Mike Galante made a motion to adopt the budget as a working budget to provide the officers program funding targets. Ron Wilson seconded the motion. President Kegley called for discussion. An amendment was added to the motion regarding the irrigation consultant line item to be modified to read, “not to exceed \$10,000 without board approval. President Kegley called for the vote and the amended motion passed unanimously.

The updated budget is shown below.

Idaho Washington Aquifer Collaborative	2018
	Budget
Administrative	
IWAC Business Cards	\$50.00
Web Page	\$500.00
Postage	\$100.00
Trademark	\$500.00
Printing	\$300.00
UPS Private Mail Box	\$60.00
SAJB Administrative Services	\$2,500.00
Accounting Services	\$2,400.00
Prizes/Awards	\$100.00
Miscellaneous Office expense	\$200.00
Total	\$6,710.00
Education & Training	
Speakers	\$1,000.00
Travel	\$500.00
Accommodations	\$500.00
Per Diem	\$250.00
Mileage	\$200.00
Irrigation & Design Consultant - Not to Exceed \$10,000 without Board Approval	\$10,000.00
Irrigation & Design Video	\$15,000.00
Drippy the Water Drop Artwork	\$1,000.00
Printed Materials-Drippy (500 decks)	\$200.00
River Forum	\$750.00
Total	\$29,400.00

Updates Around the Table - None

Agenda for April 10, 2018 Meeting – Irrigation Design consultant and Conservation video script development

Adjourn

There being no further business this 13th day of March 2018, President Kegley adjourned the meeting at 3:45 pm.

President Dan Kegley

Vice President Terry Pickel

Handouts sent via e-mail: IWAC Agenda, IWAC February Meeting Minutes, Treasurer’s Report, Previous IWAC meeting agendas, minutes, supporting documents and presentations can be found at <http://www.iwac.us/category/meetings/>.