



IDAHO WASHINGTON AQUIFER COLLABORATIVE

iwac.us

P.O. Box 1822
Post Falls, ID 83877

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.

January 8, 2019 1:30 – 3:00 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	jbeacham@postfallsidaho.org
	City of Spokane Water Department	Dan Kegley	dkegley@spokanecity.org
	Coeur d’Alene Tribe of Indians	Laura Laumatia	llaumatia@catribe-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	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	Scott Inch	moabirr20@gmail.com
√	Model Irrigation District	Rick Neal	rick@modirr.org
		Ryan Neal	ryan@modir.org
	Modern Electric Water Company	Bryan St Clair	bstclair@mewco.com
	North Kootenai Water & Sewer District	Chris deGroot	chrisd@nkswd.com
√	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 Justin VanDyke	scwd3engr@comcast.net jvandyke@scwd3.org
	Spokane Tribe of Indians	Brian Crossley	crossley@spokanetribe.com
√	Vera Water and Power	Todd Henry	thenry@verawaterandpower.com
	Whitworth Water District	Tim Murrell	tim@whitworthwater.com
√	IWAC Past President	Mike Galante	MikeGalante.1@gmail.com
√	City of Spokane Environmental Programs	Doug Greenlund	dgreenlund@spokanecity.org
√	City of Spokane Water Department	Kristen Zimmer	kzimmer@spokanecity.org
√	City of Spokane Valley	Henry Allen	hallen@spokanevalley.org
√	DOH Drinking Water	Scott Mallery	Scott.Mallery@doh.wa.gov

AGENDA

Welcome and Introductions – Vice President Terry Pickel called the meeting to order at 1:30 pm and everyone introduced themselves.

Agenda Additions or Revisions – None requested.

Approval of Meeting Minutes for November 2018 Meeting – Vice President Pickel called for additions or corrections to the December 11, 2018 meeting minutes. Ron Wilson moved to approve the minutes as submitted. Jeremy Jenkins seconded the motion. Vice President Pickel called for a vote and the December minutes were approved as submitted.

Financial Report – Treasurer Ron Wilson reported that the 2018 books have been balanced and are ready to go to the CPA for preparing the required tax filings. The 12/31/18 ending balance was \$34,305.99. Two checks were ready for approval 1) #3543 to AHBL for Draft Landscape Standards \$4,410.00 and 2) #3544 for 2019 IWAC's US Postal Service PO box 1822, \$60.00. An invoice from Anne Francis for website maintenance \$30.00 was delivered today. Treasurer Wilson requested approval to pay all three bills. Jeremy Jenkins moved to approve the Treasurer's report and pay the bills. Todd Henry seconded the motion. Vice President Pickel called for a vote and the Treasurer's report will bill payment was unanimously approved.

Old Business

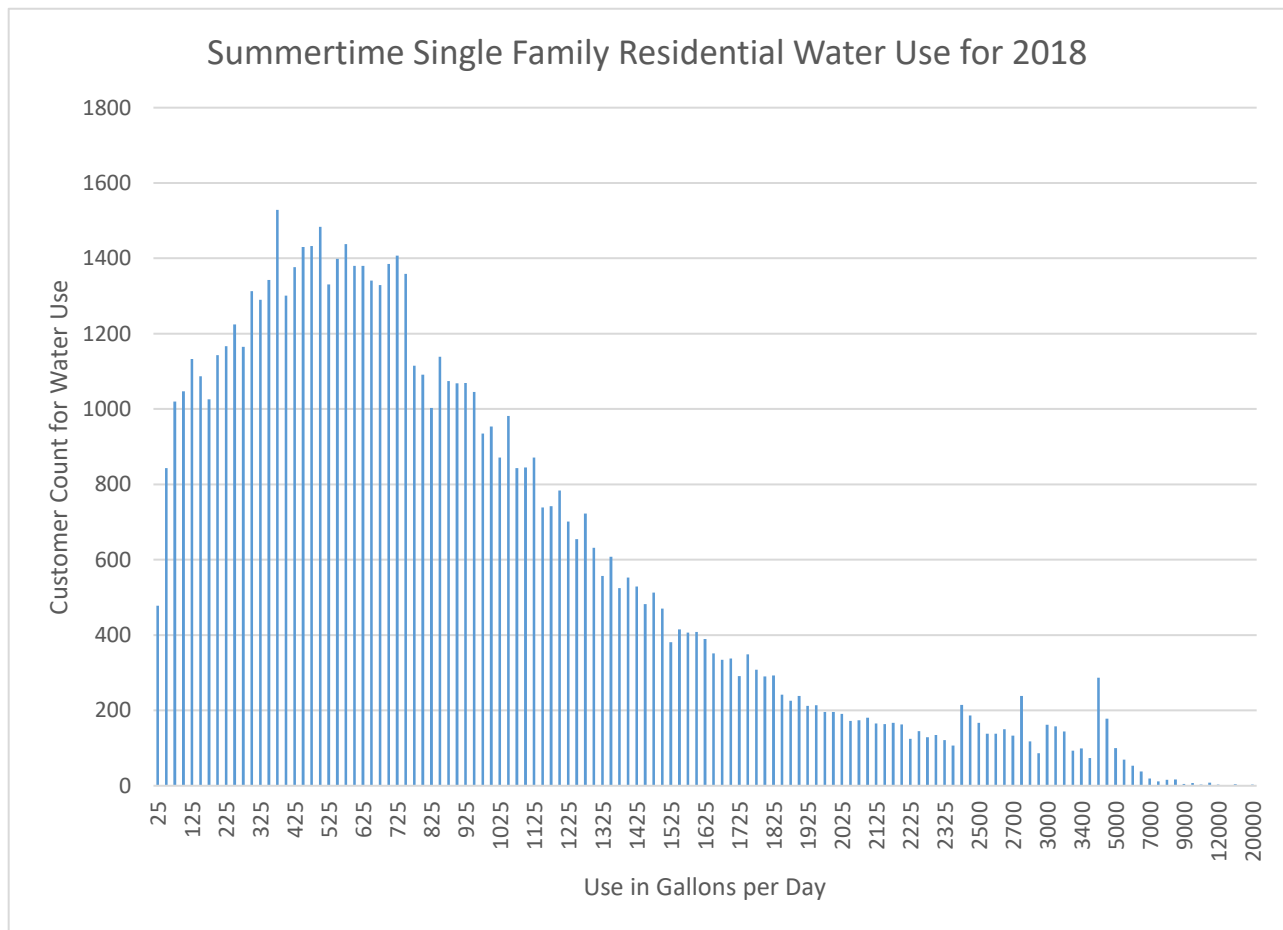
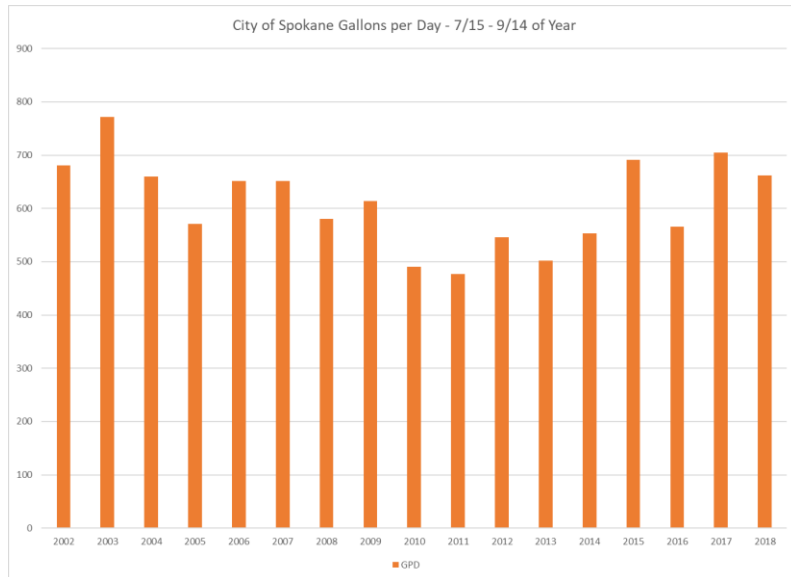
Irrigation Design Standards – Develop Regional Narrative. Craig Anderson, prepared questions for IWAC to discuss. Questions and responses are included below.

1. **Do IWAC members have, or can point us in the direction of, data on their residential water use?**

- Ron Wilson, East Greenacres Irrigation District (EGID), sent AHBL the 2014 RAFN and 2015 update done by SPF.
- Bryan St. Clair can get numbers for Modern Electric Water Company (MEWCO)
- Rob Lindsay and Mike Hermanson - Spokane County Water Demand Forecast Model updated in 2013, Public supply breaks down various categories on website. Total production information. 6-7 years ago. <https://www.spokanecounty.org/1446/Water-Demand-Forecast-Model>
- Doug Greenlund, City of Spokane, provided an excel spreadsheet and 2 graphs, shown below, with residential summer water use from 2002 – 2018.

Year	GPD
2002	681
2003	772
2004	660
2005	571
2006	652
2007	651
2008	580
2009	613
2010	491
2011	477
2012	546
2013	502
2014	553
2015	691
2016	566
2017	705
2018	662

City of Spokane Single Family residential water use in gallons per day. Water use for meters read between July 15th and September 14 of the year. Outdoor use is summertime read minus previous winter use.



2. Has anyone locally compiled calculations on estimated irrigation use?

- Terry Pickel, City of Coeur d'Alene, winter demand is 12.71 mgd. Summer (July to September) average demand is 35 mgd. 2018 peak demand was 40.6 mgd. 45% went to irrigation.
- Ron Wilson, EGID's winter average is 0.8 mgd. Summer peak is 40 mgd.

3. Can we get a short list of drought-related issues members faced during the 2015 drought?

- Private well owners went to Consolidated Irrigation District (CID), the City of Coeur d'Alene, and other purveyors to purchase water.
- Minimal decline in aquifer
- Pumping met or exceeded peak day demand.
- Vera - No issues with pumping. All-time peak pumping on 7/9/15
- MEWCO did not have any issues.
- Justin VanDyke (SCWD3) - Airway Heights ran out of water in 2015 enacted odd and even day watering. Bought more water. Private wells were drying up.

4. What are the current or upcoming regulations that IWAC's water purveyors face that will require water conservation?

- Bryan St. Clair: I think that is the ground we are plowing. The only thing I can think of; WA state requires metering and a < 10% leak loss...
- Water rights adjudication in both WA and ID
- New rights require conservation in ID.
- Spokane City Council passed an ordinance in July requiring everyone to provide more reporting. The Water Department and Environmental Programs are now required to have documentation of a conservation plan that meets conservation goals. (e.g. Intertie agreements between Medical Lake and Spokane)
- ID purveyors RAFN applications will be subject to conservation plans and line loss (4 applications being considered).
- Instream flow rule for Spokane River was adopted.

If you have additional data for please send it to [Craig Andersen, PLA, LEED AP](#) | Landscape Project Manager, [AHBL, Inc.](#) | TACOMA • SEATTLE • SPOKANE • TRI-CITIES 509.252.5019 TEL | 509.321.9388 DIRECT | candersen@ahbl.com EMAIL | Send us a [file](#).

New Business

2019 Budget Development - Treasurer, Ron Wilson updated the 2018 budget with actual income and expenditures. Line items that will be added to the 2019 budget include:

- KSPS \$10,500 to produce three 30 second spots for Irrigation Design Standards. We need to confirm if these videos were included in the 2018-19 APD proposal that was funded. IWAC Treasurer will send an invoice to APD for \$10,000.
- Spokane River Forum Sponsorship of \$750.00.

Spokane River Forum Conference April 16-17, 2019 – [Registration is open.](#)

IWAC members discussed which decision makers and leaders that they would want to hear the Irrigation & Landscape Design Standards presentation and be part of a follow-up discussion. An initial list includes:

- Spokane and Kootenai County Commissioners

- City Administrators, City Council members, and municipal governments in Coeur d'Alene, Rathdrum, Post Falls, Spokane Valley, Millwood, Spokane, Airway Heights, Medical Lake, Cheney
- IDWR, Doug Jones
- IDEQ, Hannah Moody
- WA DOH Division of Drinking Water, Scott Mallery
- Spokane Home Builders Association
- North Idaho Building Contractors Association
- Water Providers and Irrigation Districts that are not yet IWAC members
- Parks, Streets and Engineering department managers

Members are encouraged to identify others who should be invited. Planning the 75-minute session will be the focus of the March IWAC meeting. The SRF Conference session will include the 2-minute KSPS Irrigation and Landscape Design video; an overview session by BiJay Adams, the AHBL Guidance document, time for discussion and other ideas to be determined. Tonilee will draft a session description and send it out for comment. A flier will be needed for inviting leaders and decision makers to the IWAC session on 4/16/19. The conference attendance fee was also discussed. Options include asking SRF to waive the fee for anyone coming just to this one session. IWAC paying the fee or getting a reduced rate for lunch keynote and the session.

Update Around the Table

Rob Lindsay, Spokane County Environmental Services, reported that Reanette Boese is retiring this year after 20 plus years of supporting the Spokane Aquifer Joint Board in the Potential Contaminant Source Inventory and even more years of water quality testing and aquifer education. The County is in the process of bringing on a new person to train with Reanette. Reanette will be greatly missed by all who have had the honor of working with her.

Drinking water quality standards are being reviewed by the EPA and there may be new regulations for lead, PFAS and other unregulated contaminants.

Scott Mallery, DOH Office of Drinking Water, reported that Ed Perry is retiring on 2/28/19. Scott will continue as Assistant Eastern Regional Manager. Brenda Smits is a Regional Planner. Mike Means is the new Director for the Office of Drinking Water and Derek Pell is Deputy Director. The 4th revision of the WA State Water System Design Manual should be out in the fall of 2019. Here is a link to the [2009 Water System Design Manual](#)

Agenda for February 12, 2019 Meeting – AHBL Presentation on Irrigation Design Standards Guidance Document – Craig Andersen, Wayne Carlson and Brittany Port

Adjourn

There being no further business this 8th day of January 2019, Vice President Pickel adjourned the meeting at 3:00 pm

Vice President Terry Pickel

Secretary Rob Lindsay

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