

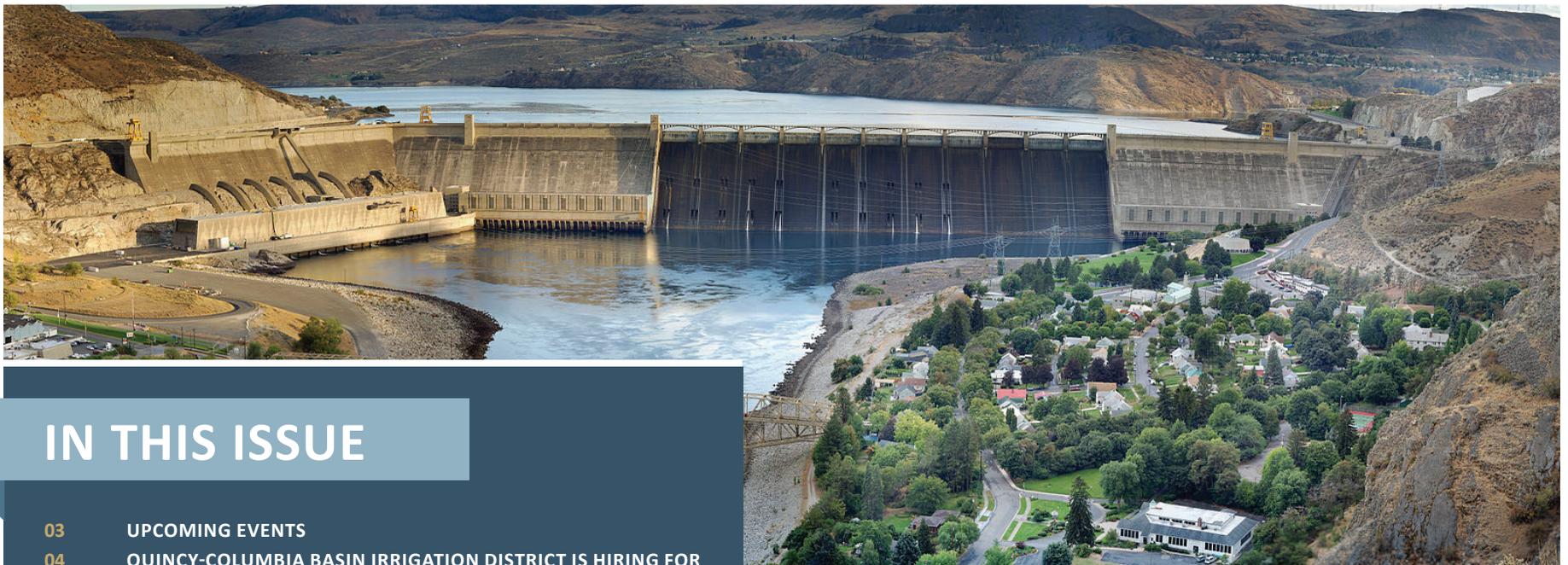
VOICE OF THE PROJECT

Supporting the Columbia Basin Project since 1964.



OUR MISSION

Serving as the voice of the Columbia Basin Project – advocating for completion and sustainable maintenance.



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VOICES OF THE PROJECT HEARD IN NATION’S CAPITAL

By: Vicky Scharlau, League Executive Director

The need to push Columbia Basin Project completion forward takes many paths. One regular path is from this Washington to the other one. Policymakers in both Washington’s are key to significant movement in terms of rule change, law change and funding.

Last month the League gathered multiple “voices” together and traveled to Washington DC setting meetings with regulators and with Congressional offices. In addition to the League, federal lobby team of Ian Lyle and Abbey Linsk of Water Strategies, those traveling included: Mark Stedman, League Chair and Lincoln County Commissioner; Matt Harris, Director of Governmental Affairs for the Potato Commission; Tom Tebb, Director of Ecology’s Office of Columbia River; Mike Schwisow,

Continued on page 2

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Kris Polly, Federal Advocate
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"Voices of the Project Heard In Nation's Capital" continued from page 1



League leadership meets with Brenda Burman, Commissioner of the Bureau of Reclamation (pictured left to right: Mark Stedman, Tom Tebb, Matt Harris, Commissioner Burman, Vicky Scharlau, Orman Johnson, Mike Schwisow)

League Director of Government Affairs; Vicky Scharlau, League Executive Director; and Orman Johnson, League Trustee and Director of the East Columbia Basin Irrigation District. The group was joined one day by Representative Mary Dye (R-Pomeroy) of the 9th District which includes municipalities with failing wells and farmers with wells that, if they work at all, draw water that has become so poor and so warm as to render it nearly unusable.

The messages were clear and consistent and started with explaining who the League was and why the group was unique and important. The "voices" of this lobby team shared that the group represented the Columbia Basin Development League which has supported the Bureau of Reclamation's Columbia Basin Project (CBP) since 1964 when the organization was formed. The lobby team shared that the League is made up of farmers, businesses, civic and economic groups, and individuals that recognize the importance of completing the CBP. The team made the point in each meeting to share that the CBP is a multi-purpose, federally authorized water reclamation project with benefits to local, state, and national economies by generating over \$5.81 billion in annual, cumulative economic activity.

Most surprising to many of the newer staff comes when the "other benefits" are highlighted. Those including hallmark power

generation, irrigated agriculture, recreation drawing over three million visitors to fish, hunt, camp, and swim each year, along with biodiverse wetlands that form part of the Columbia National Wildlife Refuge, and flood control, municipal and industrial water uses.

Specific messages were shared, and specific action was requested. The team urged Congress to prioritize water infrastructure in any infrastructure or transportation package considered during the 116th Congress. Specifically, the lobby team asked that the:

- Amendment be signed to renew the Master Water Service Contract to ensure project water delivery to 70,000 acres
- Odessa Groundwater Replacement Program receive a \$10 million designated line item in the Bureau of Reclamation's Columbia Basin Project account within the President's FY2021 budget
- Columbia Basin Project infrastructure be funded for facility operations, maintenance and rehabilitation in the Bureau of Reclamation's Columbia Basin Project account in FY2021 Energy and Water Appropriations
- WaterSMART grants in the Bureau of Reclamation's Water and Related Resources account of the FY2021 Energy and Water Appropriations be funded
- Project completion be addressed with the

inclusion of robust funding in the Bureau of Reclamation's Columbia Basin Project account in the FY2021 Energy and Water Appropriations

- \$1.75 billion be authorized for Department of Agriculture's EQIP program in the FY2020 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations
- \$1 billion in funding for BUILD Grants as proposed in the President's budget proposal be supported in the FY2020 Transportation, Housing and Urban Development, and Related Agencies Appropriations

Even though the League has traveled to DC at least once and often two or more times a year and has a federal lobby team, many Congressional offices included new faces: both staff and the elected representative. While a challenge, new faces present an opportunity to share important messaging about the CBP – the most impressive being that it is the largest U.S. Bureau of Reclamation Project.

The lobby team had the opportunity to share the main problem: that the CBP is not fully developed. That development was intended to occur in phases, and the current phase focuses on addressing the immediate crisis of the Odessa Aquifer depletion by transferring up to 87,700 acres irrigated by deep wells to CBP surface water. The team pointed out that the emergency nature of this undertaking is not a "normal" phase of development, but it is critical to preventing an economic and environmental crisis. Documents from the Washington State Potato Commission estimated that failure to address the aquifer depletion will result in the loss of 3,600 jobs and \$840 million annually in agricultural production in the Odessa Subarea alone.

The team also shared that infrastructure is aging and in need of replacement and repair. The team reminded policymakers that Congress approved the CBP in 1933 and has a rich history, legacy, and story with some infrastructure more than 70 years old.



Congresswoman Kim Schrier (D-WA), Member of the House Committee on Agriculture, meets with League leadership (pictured: Vicky Scharlau, Orman Johnson, Tom Tebb, State Rep. Mary Dye, Matt Harris, Mark Stedman, and Congresswoman Kim Schrier)



League leadership speak with Senator Murray's staff (pictured left to right: Vicky Scharlau, Orman Johnson, Sen. Murray staff member, Tom Tebb, Director of Columbia River for the Washington Department of Ecology)

UPCOMING EVENT

SAVE THE DATE!

COLUMBIA BASIN DEVELOPMENT LEAGUE 55TH ANNUAL CONFERENCE

Tuesday, October 29, 2019

Big Bend Community College, ATEC Building
Moses Lake, WA

Registration opens in early fall.

Learn more at: www.cbdl.org



QUOTE OF THE QUARTER

SUCCESS IS A COLLECTION OF PROBLEMS SOLVED.

- I.M. Pei, architect



QUINCY-COLUMBIA BASIN IRRIGATION DISTRICT IS HIRING FOR SECRETARY-MANAGER POSITION

The Quincy-Columbia Basin Irrigation District (QCBID) is one of three irrigation districts operating the Columbia Basin Project. Currently, QCBID provides irrigation service to over a quarter million acres of rich Central Washington farmland. On behalf of the Board of Directors and as directed by the Board, the Secretary-Manager is responsible for managing the internal and external affairs of the District and is the District's primary spokesperson. The Secretary-Manager is also responsible for the hiring, administration, and discipline of the District's 120 employees.

Position Specifications:

- Bachelor's degree in Engineering or Agricultural related field is required
- Professional Engineer certification desired
- Minimum of 10 years' experience in an irrigation district is required
- Minimum of 7 years' supervisory experience is required
- Knowledge of the Columbia Basin Project preferred

Additional information and complete job description available at www.qcbid.org or email humanresources@qcbid.org

APPLICATION DEADLINE:
4:00 pm | July 19, 2019



Congressman Dan Newhouse (R-WA), Member of the House Appropriations Committee, meets with League leadership in his DC office (pictured left to right: Ian Lyle; State Representative Mary Dye, Congressman Newhouse, Vicky Scharlau, Mike Schwisow, Orman Johnson, Tom Tebb, Matt Harris, Mark Stedman)

CONGRESS HEARS LEAGUE AS HOUSE ENERGY & WATER DEVELOPMENT APPROPRIATIONS BILL AND REPORT LANGUAGE IS RELEASED

In May, the House Energy and Water Appropriations Subcommittee released their bill and report language. The bill did not follow the President's proposed 28% decrease to the Bureau of Reclamation. Instead, it provides a total of over \$1.6 billion for Reclamation, which is \$82.8 million above fiscal year 2019 and \$523 million above the President's proposed budget. Within Reclamation, the bill provides \$400 million in additional funding for water resources projects, including those authorized in the Water Infrastructure Improvements for the Nation (WIIN) Act, and \$121 million is provided for rural water projects above the budget request.

Additionally, the subcommittee's report indicates support for the Odessa Ground Water Replacement Program (the following is an excerpt):

"Columbia Basin Project, Washington - The Committee is aware of the Odessa Ground Water Replacement Program within the Columbia Basin Project to deliver surface water to the Odessa Subarea. The Subarea groundwater is being withdrawn at a rate beyond the aquifer's capacity to recharge, and aquifers in the Subarea are quickly declining. Groundwater is virtually depleted to such an extent that water must be pumped from wells as deep as 2,400 feet. Water pumped from such depths is hot and has dangerously high sodium concentrations. The Committee supports Reclamation's partnership in the program to provide farmlands in Central and Eastern Washington with surface water supply through operational changes in the storage and delivery system and urges Reclamation to move forward to implement the program."

Combined with testimony from Representative Newhouse emphasizing the dire need to address Odessa Subarea ground water depletion, the League's efforts to secure FY20 funding for the Columbia Basin Project are making progress. Next, the bill will be considered on the House floor. The Senate has not yet released their bill.

LEAGUE'S ADVOCACY INFLUENCES BIPARTISAN WATER INFRASTRUCTURE EFFORT

Along with organizations from across the country, the League's advocacy recently resulted in a bipartisan letter, led by Congressmen Newhouse (R-WA) and Jim Costa (D-CA), to the House Transportation and Infrastructure Committee to urge inclusion of water infrastructure provisions in any forthcoming infrastructure package. The letter was signed by 54 Members of Congress including Washington Representatives, Cathy McMorris Rodgers, Kim Schrier, Suzan DelBene, Jaime Herrera Beutler, Pramila Jayapal, and Derek Kilmer.

The following is an excerpt from the letter:

"In addition to the vital need for storage and conservation projects, we must also develop and invest in our water delivery systems. For farmers and ranchers, water is essential to their livelihood and ensures that all Americans have an affordable, safe, and reliable food supply. With the increase in demand for a robust and diverse food supply, and without reliable water to provide for our farmers and ranchers, there is no guarantee that American consumers can continue to receive the same high-quality and safe products they need to provide for their families....A comprehensive package must also include policies and processes to streamline the ability of our communities to move forward with the construction or implementation of these water delivery systems in an expeditious manner. Rather than allowing the status quo to continue to hamstring water infrastructure rehabilitation and development, equipping water providers with the tools to efficiently address water shortages will provide important and desperately-needed services for our constituents. By streamlining outdated, burdensome processes, we can also ensure federal taxpayer dollars are being invested efficiently while adeptly tackling the severe water challenges facing communities across the country."

To read the full letter, visit: www.newhouse.house.gov



League lobbies Congress on water infrastructure funding, Odessa Groundwater Replacement Program. (Pictured left to right: Mark Stedman, Chairman of CBDL's Executive Committee; Vicky Scharlau, Executive Director of CBDL; State Representative Mary Dye (WA-9); Matt Harris of Washington State Potato Commission; Orman Johnson, Board Member of East Columbia Basin Irrigation District)

COLUMBIA BASIN PROJECT FEATURED IN AG TOUR

In early June, Washington State ag organizations held the 3rd annual Food and Farming Tour. The two-day tour – designed for policymakers to experience ag first-hand – drew a total of about 50 legislators, staffers, regulatory agencies, and ag representatives including potatoes, wheat, tree fruit, dairy, cattlemen, forests, and grapes.

The tour rotates between the west and east side of the state each year. This year's tour was held in the Royal Slope—Quincy—Ephrata area. WSDA Director Derek Sandison welcomed the group the first day with an overview of Washington agriculture, and policymakers were surprised

to learn that, of the 26,000 farms in Washington, 92% are family-owned. For the majority of the tour, participants traveled by bus to various stops learning about numerous issues and topics including the Columbia Basin Project (CBP).

The League arranged for the tour to stop at the Frenchman Hills tunnel in the Quincy Irrigation District where QCBID Technical Services Assistant Manager, Roger Sonnichsen, discussed the CBP and Project infrastructure. Prior to arriving at the stop, the League's film, *Waiting for Water*, played on the bus as an introduction to Roger's discussion.

7 STEPS TO BETTER IRRIGATION SCHEDULING

By: Peter Robinson, PE

(Reprinted with permission from the Irrigation Association®, *Irrigation Today*, Volume 3, Issue 4, April 2019)

Remember these best practices when scheduling your irrigation systems

When you get into your truck, you probably instinctively check the gas gauge. A quick glance indicates whether you need to fuel up today or if it can wait. Your ride might even have a “distance to empty” indicator, giving even more information than your basic gas level. There’s an advantage to knowing exactly how many more miles you can drive before your tank is empty, and it may help you to better manage your trips to the gas station. Irrigation scheduling is similar — the more information you have, the better decisions you can make.

WHATEVER METHOD YOU CHOOSE FOR TRACKING THE WATER STATUS OF YOUR CROP OR SOIL, YOU WILL NEED TO KNOW THE TRIGGER POINT THAT INDICATES IT’S TIME TO IRRIGATE.

Many soil moisture equipment technology options have been around for decades and have been used successfully for irrigation scheduling. Newer technology allows us to gain more detailed information about the amount of soil water in the field, or even the condition of the plants, and that’s great. More information can lead to better decisions.

But when it comes to irrigation scheduling, the basic questions that have always needed to be

answered are: Do we need to irrigate today, and if so, for how long?

Irrigation scheduling starts with a plan. Your irrigation water management plan should tell you how you’re going to make basic irrigation decisions. Here are some thoughts on what is most important.

Review the plant-soil-water basics.

Make sure you understand basic plant-soil-water terms like field capacity, wilting point and evapotranspiration. A clear understanding of how water moves through soil will help everything else make sense.

Measure your water with a high-quality, well-maintained flow meter.

Management schools teach that “you manage what you measure,” and you can’t manage water if you are not measuring it. Fortunately, the market is full of accurate flow meters that tell you how much water has gone through your irrigation system. Of all the items necessary for good irrigation scheduling, don’t ignore this basic component.

Select a method of monitoring the water in your crop’s root zone.

Scientific irrigation scheduling methods fall into three categories, including:

- tracking crop water use (the checkbook method).
- monitoring the soil water using soil moisture monitoring devices.
- monitoring the water status of the crop itself.

Whatever method you choose (and there



Probes buried at different depths measure soil moisture information, photo credit: USDA.

are advantages to choosing more than one), think about the learning curve for any new equipment or strategy, your time commitment and the ease of accessing any data that you are collecting and recording.

Choose a data recording system you can realistically use for the entire growing season.

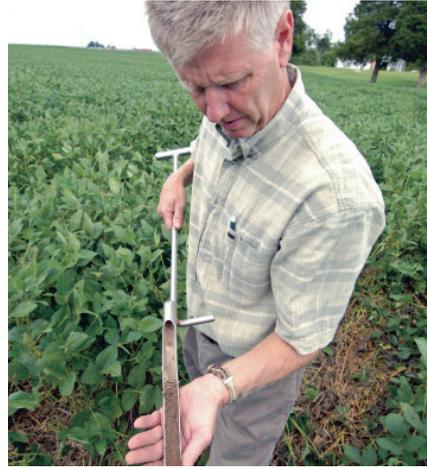
Many of us used to track the money in our checking account by hand, writing down all the information from each check on a separate ledger. You have probably moved on to a simpler, more accurate electronic method of tracking your checking account. You can upgrade to something similar for irrigation; consider using one of the available online tools to track the soil water in your field. At the very least, you will need to note how much water you applied each time you irrigate. Remember that this task is likely to be required when you are very busy, so if you plan on daily data entries, know what you are committing to.

Determine the trigger point to start an irrigation (and make it simple).

When determining irrigation scheduling, a grower needs to know when to turn on the irrigation system, as well as how long it needs to run. Whatever method you choose for tracking the water status of your crop or soil, you will need to know the trigger point that indicates it’s



Soil moisture and weather information in an orchard is relayed via radio, photo credit: USDA NRCS Oregon.



USDA NRCS crop consultant draws a soil sample, photo credit: USDA.

time to irrigate. Your monitoring will tell you what the soil water status is, but you can make it easier on yourself by determining ahead of time the plant or soil water status that signals that it's time to turn on the irrigation system and for how long. Make sure you can use the data you collect to answer these questions with minimum fuss. When it's irrigation season, you will be busy, and your time is highly valuable. Struggling to collect and interpret data is probably not where you want to spend your time during this busy season.

Decide how to “ground truth” your irrigation decisions.

If you've ever had a broken fuel gauge in your truck, you know that whatever your method for tracking the fuel level, it will be clear when you've miscalculated. Messing up your irrigation scheduling will also be evident ... eventually. Make sure the data from your irrigation scheduler and the conditions in your field line up. If a significant rainfall midseason didn't move your soil moisture estimates, something's up.

Ease into it.

If this all sounds too complicated, start slowly. There's a lot you can learn from using simple online irrigation scheduling tools, even if you're not trying to use them to schedule irrigations this year. You may have a lifetime of experience growing your crop, and it's taken you, well, a lifetime to get here. You won't become an expert in irrigation scheduling in one day, but today is a great day to start!

Peter Robinson is a water management engineer at the West National Technology Support Center for the Natural Resources Conservation Service.

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CBP “VOICES” TASK FORCE GETS TO WORK

The League's work, in support of the Columbia Basin Project (CBP), is guided by a strategic plan. That plan is informed by stakeholder input and aligned with stakeholder needs. But, earlier this year, the League Executive Committee acknowledged that it has been some time since the League last connected with stakeholders to conduct any kind of needs assessment.

In April, the League formed a Task Force charged with stakeholder engagement to identify and prioritize short- and long-term CBP development and support efforts.

...GAUGING STAKEHOLDER PRIORITIZATION OF OGWRP CAN HELP DRIVE THE WORK THE LEAGUE DOES IN THE SHORT TERM...

Now, the Task Force is in the process of designing an electronic survey that will be sent out to stakeholders. Survey responses will be collected and assessed to inform a report the Task Force will bring back to the full CBDL Board. The report will inform an update to the League's strategic plan.

“We know completion of the Odessa Ground Water Replacement Program (OGWRP) and full Project development are both goals,” said Task Force Chair, Stephen McFadden. “But, gauging stakeholder prioritization of OGWRP can help drive the work the League does in the short term, and gaining insights on when, where, and what the next steps will be for tackling full Project build-out is incredibly important. Continued Project development will take many more years. How we get there is what needs to be clarified.”

ODESSA GROUNDWATER REPLACEMENT PROGRAM: WHERE WE STARTED AND WHERE WE ARE GOING

By: Melissa Downes, LHG | Office of Columbia River Policy Lead, Washington Department of Ecology

Back in 2001, then Governor, Gary Locke, embarked on finding solutions to the gridlock of water resource challenges along the Columbia River. These efforts culminated in a 2004 Columbia River Initiative (CRI) Memorandum of Understanding (MOU) between the state of Washington, Department of Fish & Wildlife, the US Bureau of Reclamation and all three Columbia Basin Irrigation Districts (CBIDs). This original MOU identified the need to improve water management along the Columbia River and within the Columbia Basin Project.

Exploring Water Resource Solutions

The parties through this initiative identified opportunities to explore water resource solutions that would provide for both economic growth and natural resource benefits. The MOU contemplates mainstem storage, drought relief, municipal and industrial supplies, Potholes Reservoir Operations, water from Canada, and the Odessa Subarea.

AS WE ARE NEARING THE END OF THE 2017-2019 BIENNIUM (JUNE 30, 2019), AS THE LAST TWO MAJOR SIPHON BARRELS ARE BEING PLACED OVER THE SUMMER, AND AS THE FIRST SECTIONS OF PIPELINE TO DELIVER OGWRP WATER TO INDIVIDUAL FARMS IS BEING LAID, A NEW PIECE OF OGWRP PUZZLE WILL KICK OFF THE NEXT FISCAL YEAR.

While some of the goals have been achieved under the MOU, others entail multiple decades of work, like in the Odessa subarea. The parties agreed to explore opportunities to deliver surface water from the Columbia Basin Project to existing groundwater users within the declining Odessa Subarea.

The Columbia River Initiative laid the framework for the Odessa Groundwater Replacement Program (OGWRP). The state of Washington, through the Office of Columbia River, has been coordinating, cooperating,

prioritizing and implementing big picture solutions to this regionally declining aquifer in partnership with the US Bureau of Reclamation and the three CBIDs.

Major State & Federal Investments

What started as the Odessa Subarea Special Study, is today in full swing of implementation with major capital investments maximizing and expanding the delivery capacity of existing federal Columbia Basin Project infrastructure. Impressively, the state has invested over \$90 million and the federal government has invested over \$48 million, to expand the East Low Canal and increase its delivery capacity and bring surface water stored behind Grand Coulee Dam to the OGWRP lands.

These monies have provided for feasibility, engineering design, hydraulic modeling, cultural resource surveys, habitat evaluations, land reclassifications, environmental impact statements, mitigation measures, water rights, technical support, conservation efforts, rerouting water supplies and massive infrastructure construction (additional siphon barrels, radial gates, canal widening, bridge modifications, check structures).

As we are nearing the end of the 2017- 2019 biennium (June 30, 2019), as the last two major siphon barrels are being placed over the summer, and as the first sections of pipeline to deliver OGWRP water to individual farms is being laid, a new piece of OGWRP puzzle will kick off the next fiscal year.

New Pumping Plant & Delivery System in Design

The Department of Ecology received a hefty capital budget proviso (\$15 million) to shift its focus from improving the main conveyance system (East Low Canal) to begin designing and constructing the next pumping plant and delivery system, also known as the EL 22.1 system.

While we have not reached the end of Odessa Subarea story, momentum is building. Approximately 6,800 acres of OGWRP lands have been replaced with CBP surface water by means of early individual direct pump contracts and we are hopeful to have the first pumping plant (EL 47.5) making OGWRP deliveries in 2020. It is exciting to be on the cusp of delivering significant new water supplies to OGWRP lands via the Columbia Basin Project and to see the many OGWRP puzzle pieces come together to provide some much needed relief to the aquifer, the natural resource, the farms and the local communities.

CONGRATULATIONS TO CLASS 40 AGFORESTRY GRADUATES!

Class 40 (which included Bureau of Reclamation's Jennifer Hickenbottom, Yakima) completed the AgForestry Leadership Program in May. During their final seminar the class gained insight into what keeps leaders motivated and effective. Speakers underscored the power of collaboration in tackling contentious natural resources issues.

Class members also delivered their capstone Public Policy Project presentations. Each project had real world impact and highlighted the skills and knowledge class members learned during their time in AgForestry. A panel of evaluators provided constructive criticism and valuable feedback on each group's report, presentation, and approach to solving the public policy issue they tackled.

AgForestry Leadership is the only program of its kind in Washington State that specifically focuses on developing adult leaders in agriculture, forestry and natural resources.



Strong leadership is needed now more than ever because few things touch people's lives more than natural resources. They provide successful livelihoods, quality of life and make the largest economic impact in the state. Over 18 months, AgForestry presents 11 in-state, one national, and one international intensive hands-on learning seminars at public/private institutions of higher education, leading businesses, organizations and in the field.



Darvin Fales has been the Secretary-Manager since 2004

FAREWELL TO DARVIN FALES

The League sends a farewell to Darwin Fales as he is leaving his position as Secretary-Manager of the Quincy-Columbia Basin Irrigation District (QCBID) with his last day on July 6. A strong advocate for the Columbia Basin Project, Fales has worked for QCBID since 2004. The good news, however, is that he is staying "within the family." Fales was selected to be the new Secretary-Manager for Columbia Basin Hydropower and will begin the new position on July 15. Fales will be taking over for Tim Culbertson, current Secretary-Manager of CBH, as Tim moves into retirement. Roger Sonnichsen will serve as acting QCBID Secretary-Manager until a new hire has been made.

Columbia Basin Hydropower provides administration, operations, and maintenance for hydroelectric facilities owned by the three Columbia Basin Irrigation Districts. The generation CBH produces benefits the local economy and the farmers of the Columbia Basin.

Hydropower

In the 1980s, the CBP irrigation districts developed seven small hydroelectric generating plants on CBP facilities with a total generating capacity of 145 megawatts. The seven hydroelectric plants produce 500 to 560 million kilowatt-hours of power annually.

The hydroelectric plants use water available at each site in an efficient and economical manner, based on system operation for supplying irrigation water to CBP lands. They recover and supply to the regional power grid just over one-half the energy used at Grand Coulee to supply water to the CBP.

Columbia Basin Hydropower, which is a separate entity formed by the three irrigation districts, operates five of the hydroelectric plants. Grant County Public Utility District No. 2 operates the other two plants.

Economics

Benefits from the CBP come in the form of irrigated agricultural production, hydropower, flood control, recreation, and enhanced fish and wildlife habitat. Economic impacts of the CBP include the direct generation of local, on-farm jobs and income and increased expenditures on goods and services across local, state, and national economies to meet CBP-generated demand.

The CBP also provides economic benefits through provision of water to numerous wildlife and recreation areas which provide opportunities for wildlife viewing, hunting, fishing, camping, swimming, and boating. Through creating and enhancing recreational opportunities, the CBP helps to attract numerous visitors to the area. Those visitors spend money at retail stores, hotels, restaurants, gas stations, and other local businesses, thereby generating additional jobs and income.

A portion of the economic benefit generated by the CBP supports government revenues. The total tax contribution of the CBP includes local property taxes, local and state sales taxes, and federal income taxes.

Note from the Editor: This informational piece about the Columbia Basin Project was sourced from the Columbia Basin Irrigation Districts.

COLUMBIA BASIN PROJECT

Contacts



Quincy-Columbia Basin
Irrigation District
Darvin Fales, Manager
509-787-3591



East Columbia Basin
Irrigation District
Craig Simpson, Manager
509-488-9671



South Columbia Basin
Irrigation District
Dave Solem, Manager
509-547-1735



Columbia Basin Hydropower

Columbia Basin Hydropower
Tim Culbertson, Secretary-Manager
509-754-2227

COLUMBIA BASIN PROJECT

Who Are We?

The U.S. Bureau of Reclamation's (USBR) Columbia Basin Project (CBP) is a multipurpose development located in central Washington. Three irrigation districts operate the CBP: the Quincy-Columbia Basin Irrigation District, the East Columbia Basin Irrigation District, and the South Columbia Basin Irrigation District.

The CBP includes more than one million irrigated acres of farmland; a distribution system of dams, reservoirs, power plants, pumping plants; and an extensive water delivery system of canals, laterals, and drains. The CBP diverts 2.7 million acre-feet of Columbia River water and irrigates 670,000 acres of productive farmland for 10,000 farms across four counties.

Farmers in the CBP grow more than 90 crops with a gross annual value of \$1.44 billion (2008) and sold



throughout the United States and overseas. Other CBP benefits include: hydropower, flood and thermal control, and river regulation for navigation and downstream power production. The CBP also provides water for cities, industries, and endangered species.

The Columbia Basin Project is a many-faceted gem that provides irrigation to a vital agricultural economy, produces power for both homes and industry, and creates abundant recreational opportunities.

What Do We Do?

The CBP is a multipurpose development authorized by Congress in 1943 primarily for the purpose of irrigating lands in central Washington State.

Twelve of the world's largest pumps draw water from the Franklin D. Roosevelt Lake to irrigate more than two-thirds of a million acres of cropland in the Columbia River Basin. The water, first pumped to Banks Lake, is delivered through a main siphon, tunnel, and canal system to the CBP's irrigated area that begins 50 miles south of Grand Coulee hydroelectric dam.

The three irrigation districts pay the operation and maintenance costs for the irrigation portions of the CBP facilities. The Quincy District operates and maintains the West Canal system; the East District operates and maintains the East Low Canal system; and the South District operates and maintains the Potholes Canal system. Repayment contracts between the irrigation districts and the USBR govern water allotments, shares of system capacity, drainage benefits, and assessment and repayment obligations.

The CBP irrigation districts deliver water from March through October. Before the irrigation water finds its way back to the Columbia River, much of it will have been recycled throughout the CBP. Recapture and reuse of canal operational spill, seepage, and runoff from the East and Quincy Districts provides nearly all the supply for the South District, making the CBP one of the most efficient projects ever built by the USBR. During drought periods, additional water is delivered to Potholes Reservoir to make up for low natural inflow from creeks and other tributaries. Over the years, farmers have adopted pressurized irrigation systems, such as center-pivots sprinklers, to efficiently apply water to farmlands.

Where Are We?

The CBP covers much of central Washington State. The Quincy District is headquartered in Quincy; the East District in Othello; and the South District in Pasco.

The CBP's key structures, Grand Coulee Dam and John W. Keys III Pump-Generating Plant, are on the main stem of the Columbia River about 90 miles west of Spokane, Washington.

CBP irrigation works extend southward on the Columbia Plateau for 125 miles to the vicinity of Pasco, Washington, at the confluence of the Snake and Columbia Rivers. Beginning near Quincy, the Columbia River forms the western boundary of the CBP, while the eastern boundary is located about 60 miles east near the communities of Odessa and Lind.



The USBR operates Grand Coulee Dam facilities; Banks Lake, which is the CBP's starting point for the irrigation water delivery system and its main re-regulating reservoir; the Main Canal and Billy Clapp Lake, which is another re-regulating reservoir; and the Potholes Reservoir. The USBR also controls the headworks to the West Canal, the Potholes East Canal, and the East Low Canal.

THANKS TO OUR 2019 MEMBERS!

SUSTAINING

JR Simplot Company

LEADERSHIP

Lamb Weston

PREMIER

Washington State Potato Commission

MAJOR

Big Bend Electric Cooperative
City of Othello
Connell 76 LLC
Grant County Commissioners

UNDERWRITER

Adams County Board of Commissioners
CHS SunBasin Growers
David & Rose Stevens
KeyBank – Moses Lake
McCain International/McCain Foods USA
The McGregor Company
S & C Ranching Inc
Zirkle Fruit Company

SUPPORTER

East Columbia Basin Irrigation District
Johnson Reaugh, LLC / Johnson Agriprises
PayneWest Insurance
Schwisow & Associates
Valley Irrigation
Warden Hutterian Brethren
Washington State Tree Fruit Association

CORPORATE

Ag World Support Systems
Blue Sun Farms, Inc
Friehe Farms
Heritage Farms Ag
Highline Grain Growers, Inc
Inland Power & Light Company
Lad Irrigation Co
Lincoln County Commissioners
National Frozen Foods Corporation - Quincy
Nelson Irrigation Corp
Northwest Farm Credit Services
Quincy-Columbia Basin Irrigation District
RDO Equipment

Ritzville Warehouse Co/Odesa Trading Co/Ag Tech Services
South Columbia Basin Irrigation District
Stahl Hutterian Brethren
Valley Fruit Orchards LLC
Valmont Industries - Valley Irrigation

MEMBER

501 Consultants, Inc
Abundancia LLC
Adams County Development Council (ACDC)
AGRI/Com Appraisals
Alford Farms
Anderson Perry & Associates, Inc
Avista
Baird Orchards
Basic American Foods
Bee Dee Farms, Inc
Benedict Farm
Berglund Farms
Big Bend Agricultural Appraisals, Inc
Big Bend Community College
Black Sands Irrigation District
Boersma Farms, Inc
BR Bair Farms, Inc
Bradley Greenwalt
Brett & Bryan LLC
Bruce & Diana Carlson, Inc
Burk Wahluke Enterprises
Campbell Kirson Farms LLC/
Campbell Ranch
Canyon Crest Farms
Carnosi LLC
Carpenter McGuire & DeWulf PS
Cecilia Quirk
Cegnar Company
Central Bean Co
Central Bean Co
Central Bonded Collectors
CliftonLarsonAllen LLP
Country Daze, Inc
D&D Gilbert Farms
Dan Piper Farm

Dano Law Firm PS
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Educational Service District 123
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Fode Land Co LLC
Franklin County Commissioners
Freeman Farms LLC
Fresno Valves & Castings, Inc
Giselle Wiederhielm Farm
Glen Bair Farms
Golden West
Grange Supply Company of Odesa
Grant County EDC
Grant County PUD
Grigg Farms
Halverson Northwest Law Group
HDR Engineering, Inc
Hendrix Farms LLC
Henry Field
Hilmes Construction, Inc
Horning Bros LLC
Horrigan Farms, Inc
Irrigation Components International
ITC Services, Inc
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J&S Myers, Inc
Jack L Gilbert & Sons, Inc
Jacklin Seed by Simplot
James Brodie
Janett & Associates LLC
Johnston Property Management LLC
Jon & Sharon Fink
J-U-B Engineers, Inc
Kagele Acres, Inc
Kagele Family Farms LLC
Kamiak Vineyards
Kelly Shinn
Knip Ag, Inc
L&L Ag Production LLC
Landau Associates
LaVerne Truman
Leffel Otis & Warwick PS
Lenwood Farms, Inc
Leroy & Shirley Welch
Lincoln County EDC
Lindcrest Ranch/Preston Farms LLC
Lyle Family Land LLC
Mark Booker

Marvin and Neil Joint Venture
Mary Shinn
McCrometer Corp
McKay Seed Company
MCL Farms
MGS AG, Inc
Middleton Family Farm
Mona Freriks
Moody Family
Moses Lake - Warden Air Service, Inc (Moses Lake)
Moses Lake Irrigation & Rehabilitation District
Nancy Franz
Nutrien Ag Solutions - Formerly Crop Production Services
Owl Lake LLC
P&P Farms
Pacific Northwest Waterways Association
Para Ranch Lands, Inc
Parsons Behle & Latimer
Patty Kagele Farms, Inc
Perkins & Zlatich CPAs PS
Pete Beaumont Farms LLC
Petrus Partners, Ltd
Phillips Family Farms LLC
Phillips Ranch Corp
Piper Ranch
Pomeroy Farms
Poplar Sky Farms
Port of Chelan County
Port of Moses Lake
Port of Pasco
Port of Royal Slope
Port of Warden/Grant County District #8
Prior Farms LLC
R & J Lyle LLC
Radach Farms, Inc
RAFCO Inc
RH2 Engineering, Inc
Richard Erickson
Richard Quirk
Richard Stevens
RJ Circle Farms, Inc
Rod Rottinghaus Farms
Rosebud Vineyards, Inc
RP Stucky Properties LLC
Rubicon Water
SC Communications, Inc
Schibel Farms, Inc
Schneider Farms - Pasco LLC
Schroeder Law Offices PC
Schutte Farms, Inc
Shirley Yager
Simonson Farms, Inc
Skone Irrigation Warden/Pasco
Soiltest Farm Consultants, Inc
Spectrum Communications, Inc

Stokrose Farms, Inc
Sunset Farms, Inc
Thomas Guderian
Tippett Company of Washington LLC
Tom Downs Farms
Treat Farms
TRReapers, Inc
Voise Farms
Voss Farms of Pasco LLC
Wacker Farm
Wajer Farms, Inc
Washington Association of Wheat Growers
Washington Fruit & Produce Resources Association
Washington Winegrowers Association
Wes King Ranch
Wilbur Security Company
William Riley
Windy Prairie, Inc

RECIPROCAL

Cashmere Chamber of Commerce
Ephrata Chamber of Commerce
Grand Coulee Dam Area Chamber of Commerce
Greater Connell Area Chamber of Commerce
Greater Othello Chamber of Commerce
Moses Lake Chamber of Commerce
Odesa Chamber of Commerce
Pasco Chamber of Commerce
Pasco Chamber of Commerce
Quincy Valley Chamber of Commerce
Ritzville Area Chamber of Commerce
Soap Lake Chamber of Commerce
Wenatchee Valley Chamber of Commerce

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