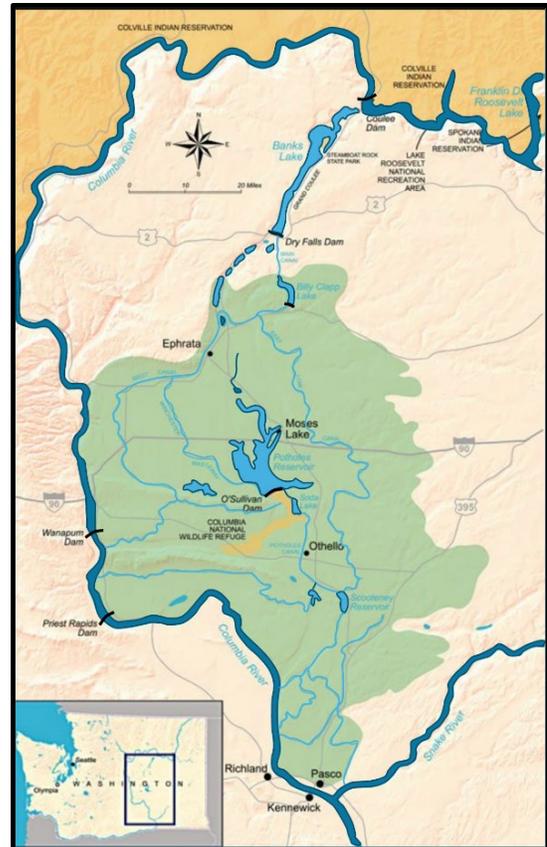


### Project Overview

The Columbia Basin Project (CBP) is located in Central Washington and is considered the largest water reclamation project in the United States. The main facilities are Grand Coulee Dam, Franklin D. Roosevelt Lake, the Feeder Canal, Banks Lake, the Main, West, East-High and -Low Canals, Potholes East Canal, as well as O'Sullivan Dam and Potholes Reservoir. This extensive network consists entirely of artificial waterways (i.e., canals), reservoirs, channels and ditches that provide irrigation water to support agriculture. Water is pumped from the Columbia River at Banks Lake, upstream of Grand Coulee Dam and travels more than 330 miles through the canals, is then stored in reservoirs, and fed into more than 1,340 miles of lateral irrigation waterways which feed 3,500 miles of irrigation channels. Within this complex system, Columbia Basin Hydropower (CBHP) owns and operates seven hydropower facilities, which were built between 1982 - 1990. CBHP's facilities include



Russell D Smith, Eltopia Branch Canal 4.6, Quincy Chute, Potholes East Canal 66.0, Potholes East Canal Headworks, Main Canal Headworks, and Summer Falls.

All seven projects have existing licenses with the Federal Energy Regulatory Commission (FERC) that are due to expire soon. CBHP intends to streamline the regulatory process by aligning review dates to reduce the number of required meetings and add efficiencies for all participants. To achieve this, the projects will be divided into two groups – one for relicensing and one for conduit exemptions. CBHP will be pursuing relicensing for Potholes East Canal Headworks, Main Canal Headworks, and Summer Falls via the Integrated Licensing Process (ILP). These relicensing processes are anticipated to be initiated in the summer of 2026. CBHP intends to pursue conduit exemptions for the Russell D Smith, Eltopia Branch Canal 4.6, Quincy

Chute, and Potholes East Canal 66.0 projects. These exemptions are anticipated to be filed in late 2026 or early 2027.

## CBHP Licenses and Upcoming Expiration Dates

Projects Proposed for Relicensing Using the Integrated Licensing Process					
Project	License Issue Date	NOI/PAD Due Date	Planned NOI/PAD Filing Date	FLA Due Date	License Expiration
Summer Falls (P-3295)	8/14/81	1/31/26 – 7/31/26	6/30/26	7/31/29	7/31/31
Main Canal Headworks (P-2849)	11/16/81	5/30/26 – 11/30/26	6/30/26	11/30/29	11/30/31
Potholes East Canal Headworks (P-2840)	9/21/82	3/30/27 – 9/30/27*	6/30/26*	9/30/30*	9/30/32*

\* On January 22, 2026, CBHP filed a request to accelerate the license expiration date for Potholes East Canal Headworks to match the Main Canal Headworks license expiration timeline. If approved by FERC, this will allow for all three of the above projects to have synchronized milestones under the ILP.

Projects Proposed for Exemption from FERC Licensing via Conduit Exemptions					
Project	License Issue Date	NOI/PAD Due Date	Planned NOI/PAD Filing Date	FLA Due Date	License Expiration
Russell D Smith (P-2926)	3/27/80	8/29/24 – 2/27/25	Filed 2/27/25	2/28/28	2/28/30
Potholes East Canal (P-3843)	12/09/81	6/30/26 – 12/31/26	12/31/26	12/31/29	12/31/31
Eltopia Branch Canal (P-3842)	12/09/81	6/30/26 – 12/31/26	12/31/26	12/31/29	12/31/31
Quincy Chute (P-2937)	8/20/82	1/31/27 – 9/30/27	1/31/27	7/31/30	7/31/22

### Acronyms:

NOI – Notice of Intent to File Application

PAD – Pre-Application Document

FLA – Final License Application

ILP – Integrated Licensing Process

## Proposed Relicensings

### Main Canal Headworks



Main Canal Headworks is an integral part of Dry Falls Dam, located at the south end of Banks Lake reservoir and adjacent to the town of Coulee City in Grant County, WA. Dry Falls Dam, including the dam headworks and the Main Canal system are owned and operated by the BOR. The Project was constructed from 1983 to 1986, and began generating power in January 1987 and

consists of: (1) a 375-foot long underwater diversion channel cut into the bed of Banks Lake, diverting water from the existing headworks intake channel; (2) a forebay extending 2/3 of the way through Dry Falls Dam; (3) an intake structure extending through the remaining 1/3 of the dam that is integral to the powerhouse; (4) a powerhouse containing one bulb-type horizontal Kaplan turbine 26-MW generating unit located at the toe of the Dry Falls Dam; (5) a 357-foot long tailrace; (6) a 6.9/115-kV transformer in a switchyard adjacent to the powerhouse; (7) a 470-foot long, 115-kV transmission line; and (8) appurtenant facilities.

The water formerly released through BOR's headworks<sup>1</sup> for irrigation purposes is released through the Project for power generation before entering into the Main Canal. At the normal operating head of 42 feet, the Project generates an average of 104 million kWh annually. While operations only occur during the local irrigation season (March through October), the Project creates affordable electricity for ratepayers and benefits local agricultural production.

### Summer Falls

Summer Falls is located in the Main Canal (irrigation canal owned by BOR), 8 miles south of the town of Coulee City in Grant County, Washington, approximately 8 river miles downstream of Main Canal Headworks. The Project was constructed from 1981 to 1984, and began generating power in January 1985 and consists of: (1) a diversion structure across Main Canal approximately 1,200 feet

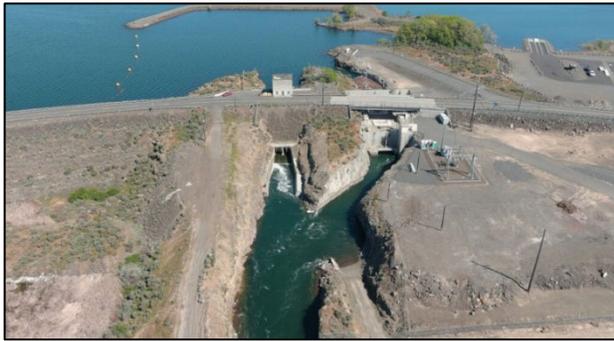


---

<sup>1</sup> Before Main Canal Headworks was constructed, water went through a BOR check structure. Since the completion of Main Canal Headworks, water is diverted into the intake channel of the Main Canal Headworks project that is directly adjacent to the BOR check structure.

upstream of Summer Falls; (2) a diversion canal approximately 600 feet long; (3) a concrete intake structure; (4) two 17-foot diameter power tunnels approximately 900 feet long; (5) a powerhouse containing two vertical Kaplan 46-MW generating units that discharge into Billy Clapp Lake; (6) two 13.8/115-kV transformers; (7) a switchyard approximately 600 feet southeast of the powerhouse; (8) a 115-kV transmission line approximately 7-miles long connecting the powerhouse switchyard to the Stratford substation; and (9) an access road that provides access to the diversion structure and the powerhouse. Power is generated at the facility via irrigation flows in the Main Canal and is then discharged via a conduit into Billy Clapp Lake. At the normal operating head of 165 feet, the Project generates an average of 394 million kWh annually. While operations only occur during the local irrigation season (March through October), the Project creates affordable electricity for ratepayers and benefits local agricultural production.

### Potholes East Canal Headworks



Potholes East Canal Headworks is an integral part of O'Sullivan Dam (owned and operated by the BOR) and is located at the southern end of Potholes Reservoir, approximately 9 miles south of Moses Lake in Grant County, Washington. The Project was constructed from 1986 to 1990, and began generating power in September 1990 and consists of:

(1) a 120-foot-long approach channel; (2) an intake structure located adjacent to the existing Potholes East Canal Headworks intake structure; (3) a 17-foot-diameter power tunnel, excavated in bedrock, passing beneath the dam embankment; (4) a powerhouse, located at the toe of the dam, containing a single horizontal Kaplan S-turbine 6.2-MW generating unit<sup>2</sup>; (5) a tailrace channel discharging into the Potholes East Canal; (6) a 4.16/115-kV substation adjacent to the powerhouse; (7) 600 feet of 115-kV transmission line; and (8) appurtenant facilities. The water formerly released through BOR's headworks<sup>3</sup> for irrigation purposes is released through the Project for power generation before entering into the Potholes East Canal. The Project generates an average of 17.1 million kWh annually. While operations only occur during the local irrigation season (March through October), the Project creates affordable electricity for ratepayers and benefits local agricultural production.

<sup>2</sup> FERC's January 10, 2013 order amending the license stated that the installed capacity of the Project is 6.2 MW (Accession No. 20130110-3045), however, the generator rated output was previously stated to be 6.65 MW. FERC noted in its 2013 order that a prior order approving the as-built Exhibit F-2 drawing in 1991 failed to note the 6.2 MW turbine rating and revise the project description accordingly.

<sup>3</sup> Before Main Canal Headworks was constructed, water went through a BOR check structure. Since the completion of Main Canal Headworks, water is diverted directly adjacent from that check structure and flows into the Main Canal Headworks.

## Proposed Conduit Exemptions

### Russell D Smith

Russell D Smith is located in Potholes East Canal, 13 miles northwest of the town of Connell in Adams County, Washington, approximately 22.7 miles downstream of Potholes East Canal Headworks. It was built, and began generating power in 1982 and consists of: (1) an intake structure located adjacent to the Potholes East Canal



immediately upstream of the existing check structure; (2) a 210-foot-long penstock; (3) a concrete powerhouse, located adjacent to an existing stilling basin, containing one generating unit rated at 6.1 MW; (4) a switchyard adjacent to the powerhouse; (5) and a 34.5-kW transmission line approximately 960 feet long. Power is generated at the facility via irrigation flows in Potholes East Canal and water is then discharged into a conduit for the purposes of irrigation demand. While operations only occur during the local irrigation season (March through October), the Project creates affordable electricity for ratepayers and benefits local agricultural production. At the normal operating head of 52 feet, the Project generates an average of 13.6 million kWh annually.

### Potholes East Canal 66.0



Potholes East Canal 66.0 is located 10 miles northwest of the town of Pasco in Franklin County, Washington, approximately 66 miles downstream from the headworks of the Potholes East Canal. It was built and began generating power in 1985 and consists of: (1) a diversion canal; (2) an intake structure; (3) a 2,700-foot long, 4-foot diameter, buried concrete penstock; (4) a powerhouse

containing a single generating unit with a capacity of 2.4 MW; (5) a tailrace canal that discharges into a retention pool; (6) a switchyard adjacent to the powerhouse; and (7) a 700-foot long, 13.2 kV transmission line. Power is generated at the facility via irrigation flows in Potholes East Canal and water is then discharged into a conduit for the purposes of irrigation demand. While operations only occur during the local irrigation season (March through October), the Project creates affordable electricity for ratepayers and benefits local agricultural production. At the

normal operating head of 324 feet, the Project generates an average of 6.8 million kWh annually.

#### Eltopia Branch Canal 4.6

Eltopia Branch Canal 4.6 is located four miles northwest of the town of Eltopia, in Franklin County, Washington, 4.6 miles downstream from where the Eltopia Branch Canal diverges from the Potholes East Canal. It was commissioned and began energy production in 1983 and consists of (1) a diversion canal; (2) an intake structure; (3) a 5-foot diameter, 1,300-foot long, buried concrete penstock; (4)



a powerhouse containing a single generating unit with a capacity of 2.2 MW; (5) a tailrace canal; (6) a switchyard adjacent to the powerhouse; (7) a 3,900-foot long, 13.2 kV transmission line; and (8) an access road. Power is generated at the facility via irrigation flows in Eltopia Branch Canal and water is then discharged into a conduit for the purposes of irrigation demand. While operations only occur during the local irrigation season (March through October), the Project creates affordable electricity for ratepayers and benefits local agricultural production. At the normal operating head of 127 feet, the Project generates an average of 8.2 million kWh annually.

#### Quincy Chute



Quincy Chute is located six miles northwest of the town of George in Grant County, Washington, at approximately river mile 40 within the West Canal waterway. It was built, and began generating power in 1985 and consists of: (1) an intake structure; (2) a 1,470-foot long penstock leading to a powerhouse with a hydraulic capacity of 2,200 cfs and a rated capacity of 9.4 MW at a

design head of 59 feet; (3) a tailrace channel; (4) a 1.8-mile-long transmission line; (5) and a substation. Power is generated at the facility via irrigation flows in West Canal and water is then discharged into a drop structure for the purposes of irrigation demand. While operations only occur during the local irrigation season (March through October), the Project creates affordable electricity for ratepayers and benefits local agricultural production. At the normal operating head of 59 feet, the Project generates an average of 27.3 million kWh annually.

## How to subscribe to the FERC docket

To keep up to date with new filings on the Projects, you can subscribe to the FERC docket of any (or all) of the Columbia Basin Hydroelectric Projects. From the [FERC Online Home Page](#), you can subscribe to the Projects by clicking “eSubscription” and logging in with a user ID and password. Then, click “Add New Subscription” at the top of the page, and enter the Docket number of the project you’d like to subscribe to. You will then receive email alerts of all new filings made under the dockets you subscribe to.

Docket Number	Project
P-3842	Eltopia Branch Canal 4.6
P-2849	Main Canal Headworks
P-3843	Potholes East Canal 66.0
P-2840	Potholes East Canal Headworks
P-2937	Quincy Chute
P-2926	Russell D Smith
P-3295	Summer Falls

## How to file comments with FERC

There are three ways to file comments on a project with FERC. From the [FERC Online Home Page](#), there are two ways to file comments electronically:

- 1 – **eComment** – for filing brief, text-only comments (up to 10,000 characters) without creating an account.

**FERC Online** - Web Applications of the Federal Energy Regulatory Commission

[www.ferc.gov](http://www.ferc.gov)

**FERC Online Home Page**

Welcome to FERC Online! FERC Online is the single entry point for all of FERC's electronic access applications. If you have not previously eRegistered with FERC Online, please use the eRegister link on the left menu to do so. Once you are registered, you will be able to login to FERC Online to eSubscribe and eFile.

**FERC Online Applications**

- [Company Registration](#) - Submit Company Registration Requests
- [eFiling](#) - Submit documents electronically
- [eSubscription](#) - Subscribe to electronically receive all information related to a docket without intervening
- [eComment](#) - Submit an eComment electronically**
- [Query Mailing List/Recipients by State](#) - View and download lists of postal mail addresses for contacts associated with FERC docketed proceedings. Also, view and download a mailing list of all contacts who reside in a specific state
- [Query Service List](#) - View and download lists of contacts receiving service in FERC docketed proceedings
- [My Service List](#) - View and download lists of dockets associated with the current logged in user
- [My Filing List](#) - View lists of filings associated with the current logged in user
- [eLibrary](#) - Search and retrieve electronic documents related to proceedings
- [eTariff Viewer](#) - Browse and Search Tariffs

[Security and Privacy Statement](#)

→ Fill out the information requested and follow the prompts to enter your comments

**2 – eFiling** – for submitting longer comments, attachments, or filings on behalf of an organization, which requires an eRegister account. You can easily create a new user account if you don’t already have one by clicking “New User”.

→ Under “How is your filing to be directed?” select “Hydro: Licensing/Compliance”

→ Under “What kind of filing are you making?” select “Licensing/Relicensing”

→ Under “Filing Type (Fee)”, choose the appropriate filing type

FERC Online - Web Applications of the Federal Energy Regulatory Commission

www.ferc.gov

Current FERC Time: 11:42:55 AM Eastern

**Filing Type**

Effective 12/17/2022 the eFiling menu options for Hydro submissions have been updated to improve submission workflow. The details for this update are [here](#). For additional information or assistance please contact [FERC Online Support](#) or call Local: 202-502-6652 | Toll-free: 866-208-3676.

**How is your filing to be directed?**

- General
- Annual Charges
- Hearing/ALJ
- Gas
- Electric
- Hydro: Licensing/Compliance
- Hydro: Dam Safety

**What kind of filing are you making?**

- Annual Charges
- Certification of Generation for Tax Credit
- Change in Contact Information
- Conduit Exemption 40MW or less
- Declaration of Intention
- Headwater Benefits
- HEC-RAS files (Licensing or Compliance)
- Intervention
- Jurisdictional Determination
- License or Exemption Compliance
- Licensing/ Relicensing
- Mining Claims
- Preliminary Permit

**Filing Type (Fee)**

- Application for Original License (Initial or competing) (No Proj...
- Application for License/Relicense or Amendment to Application
- Notice of Intent/PAD (Existing Project No.)
- Notice of Intent/PAD (No Project Number)
- Additional Information regarding Application for License
- Study Request for License/Relicense
- Comment in Licensing/Relicensing (add detail)
- Withdrawal of Application for License/Relicense
- Application for Surrender of License
- Request for Rehearing of License Order
- Other filing pertaining to Licensing/Relicensing

Next Cancel

- On the next screen, type in the Docket Number (see list above), then select the “plus” sign on the right.
- On the following screens you will be able to navigate and upload your comment document, enter your email as signature, and submit.

FERC Online - Web Applications of the Federal Energy Regulatory Commission

www.ferc.gov

Current FERC Time: 12:45:52 PM Eastern

**Select Docket**

Search and select all docket and sub-dockets for your submission.

You can search for docket or click the Quick Entry tab if you already know the docket numbers you want to insert.

Search Quick Entry

Enter Docket Number: P-2849 Search Quick Entry Tab (e.g. ER08-10)

Docket	Description	Applicant/Filer	Select
P-2849-000		SOUTH COLUMBIA IRRIGATION DISTRICT	+
P-2849-001	MAIN CANAL HEADWORKS WATER POW	E COLUMBIA BASIN IRR DIST ETAL	+
P-2849-002		CITY OF TACOMA	+
P-2849-003		EAST COLUMBIA BASIN IRRIGATION DISTRICT	+
P-2849-004	REHEARING	City of Seattle, Washington	+
P-2849-005	EXTENSION OF LICENSE	EAST COLUMBIA BASIN IRRIGATION DISTRICT	+

1 2 3

Selected Dockets:

- No Dockets have been selected. -

Next Cancel

**3 – By mail** - in lieu of electronic filing, paper copies can be sent to:

The Secretary  
 Federal Energy Regulatory Commission  
 Mail Code: DHAC, PJ-12  
 888 First Street, N.E.  
 Washington, D.C. 20426

## Project Contacts

Name	Email
<b>Laura Johnson, McMillen</b> Regulatory & Licensing Discipline Lead	<a href="mailto:ljohnson@mcmillen.com">ljohnson@mcmillen.com</a>
<b>Lindsay Fracas, McMillen</b> Civil Engineering Project Manager	<a href="mailto:fracas@mcmillen.com">fracas@mcmillen.com</a>
<b>Wendy Iris, CBHP</b> Hydro Engineer/Chief Dam Safety Coordinator	<a href="mailto:wiris@cbhydropower.org">wiris@cbhydropower.org</a>

# Project Maps

