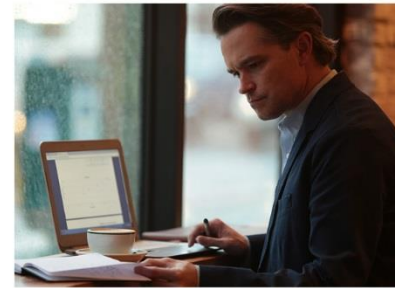


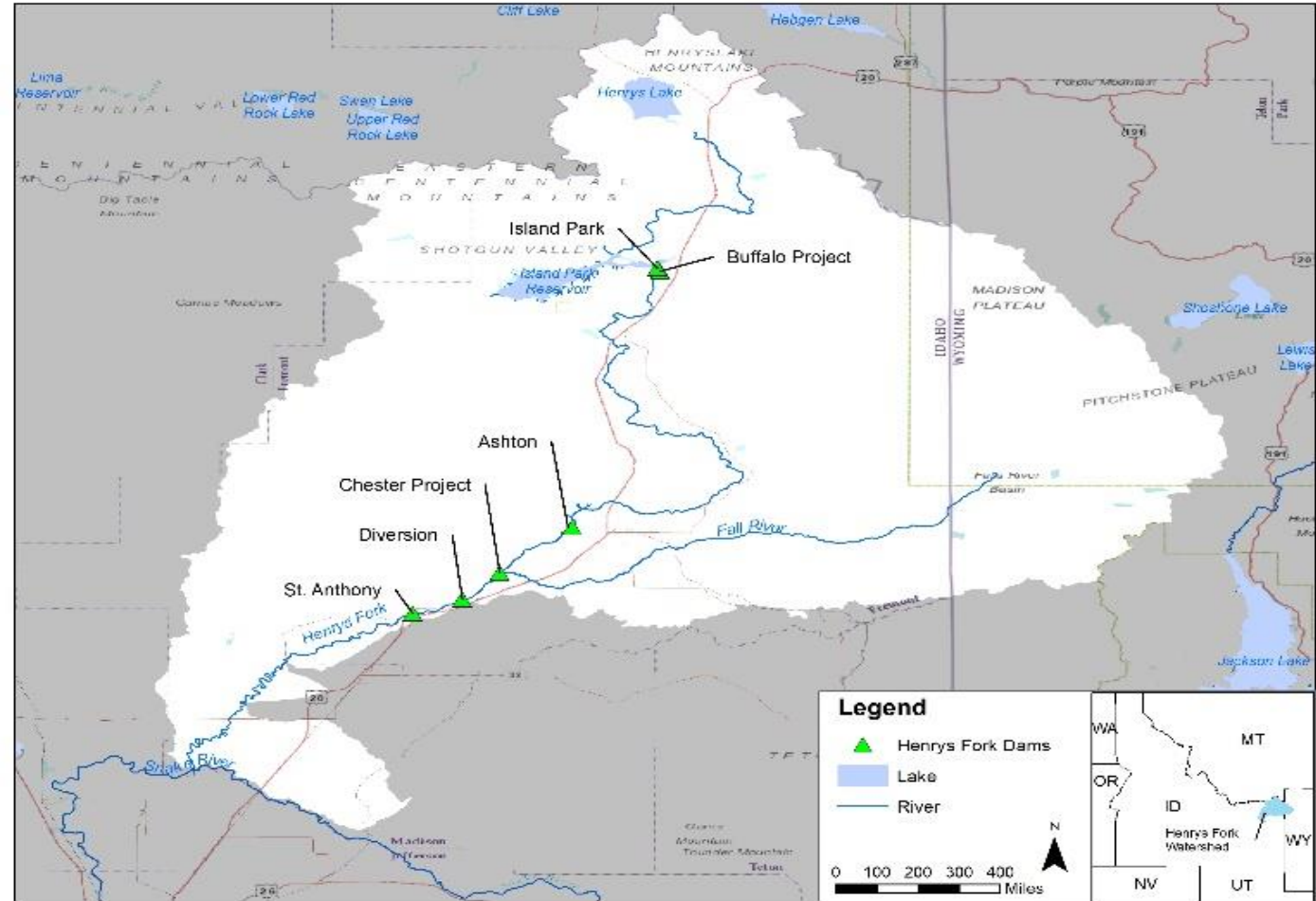
Ashton Hydroelectric Project (FERC No. 2381) Relicensing

Henry's Fork Watershed Council Annual Conference December 7, 2021



Project Location

- Located in southeast Idaho on the Henry's Fork of the Snake River in Fremont County, Idaho
- 40 miles northeast of Idaho Falls, Idaho
- 2.3 miles West of Ashton Idaho



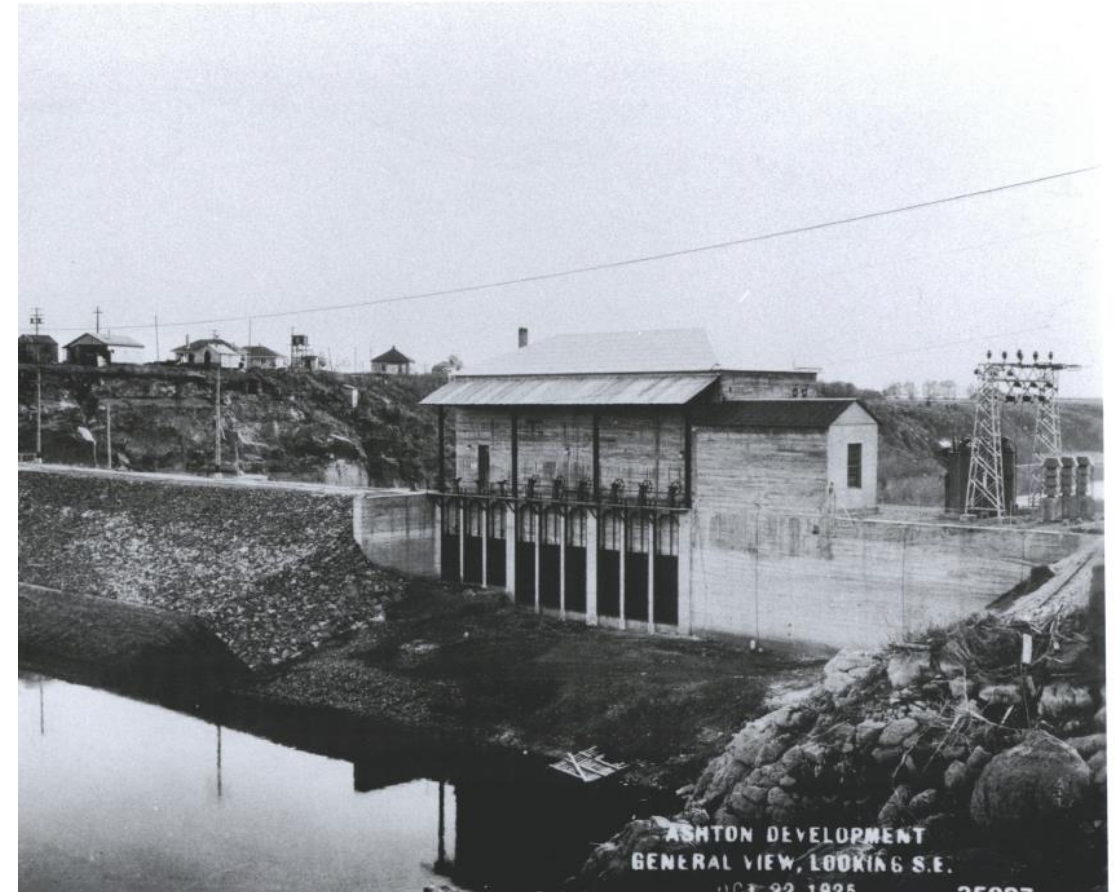
Project Overview

- 6.85 Megawatts
- 392.9-acre reservoir (6,320 acre-feet of storage)
- 813.07-acre FERC Project Boundary
- Run-of-river operation
- Project construction completed in 1918
- Current license issued August 3, 1987 (effective date January 1, 1988) for a 40-year term
- Current license expires **December 31, 2027**



Project History and Purpose

- Project was originally constructed by the Ashton St. Anthony Power Company between 1913 and 1916
- Purchased by Utah Power & Light in 1925
- Currently owned and operated by PacifiCorp
- Primary purpose is power generation. Project also supports agricultural irrigation and recreation.



Project Features: Dam and Overflow Spillway

- Earth-rockfill dam (56 ft. x 252 ft.)
- Crest elevation of 5,156.6
- 3.5-foot thick reinforced concrete slab on crest
- 12-foot thick overflow spillway of roller compacted concrete (RCC) on downstream face
- *Major rehabilitation of the dam occurred between 2010 and 2012*



Project Features: Gated Spillway

- 82-foot-long gated spillway on left abutment
- 6 Tainter radial gates with a sill at 5,146.6 feet
- Gates can be raised using electric hoist or hand-operated chain hoist
- One spill gate has been automated to open in the event of a unit trip



Project Features: Powerhouse

- Powerhouse is a water retaining feature
- Located between the earthen-rockfill embankment dam and the right abutment
- Houses three vertical Francis turbine generator units
- 42-inch butterfly valve allows passage of 320 cubic feet per second flow if plant trips



Project Features: Right Abutment Crib Wall and Diversion Tunnel

- Right abutment crib wall connects powerhouse to the right abutment
- Diversion tunnel allows reservoir drawdown



Recreation: Ashton Reservoir Boat Launch and Park



Recreation: Downstream Fishing Access



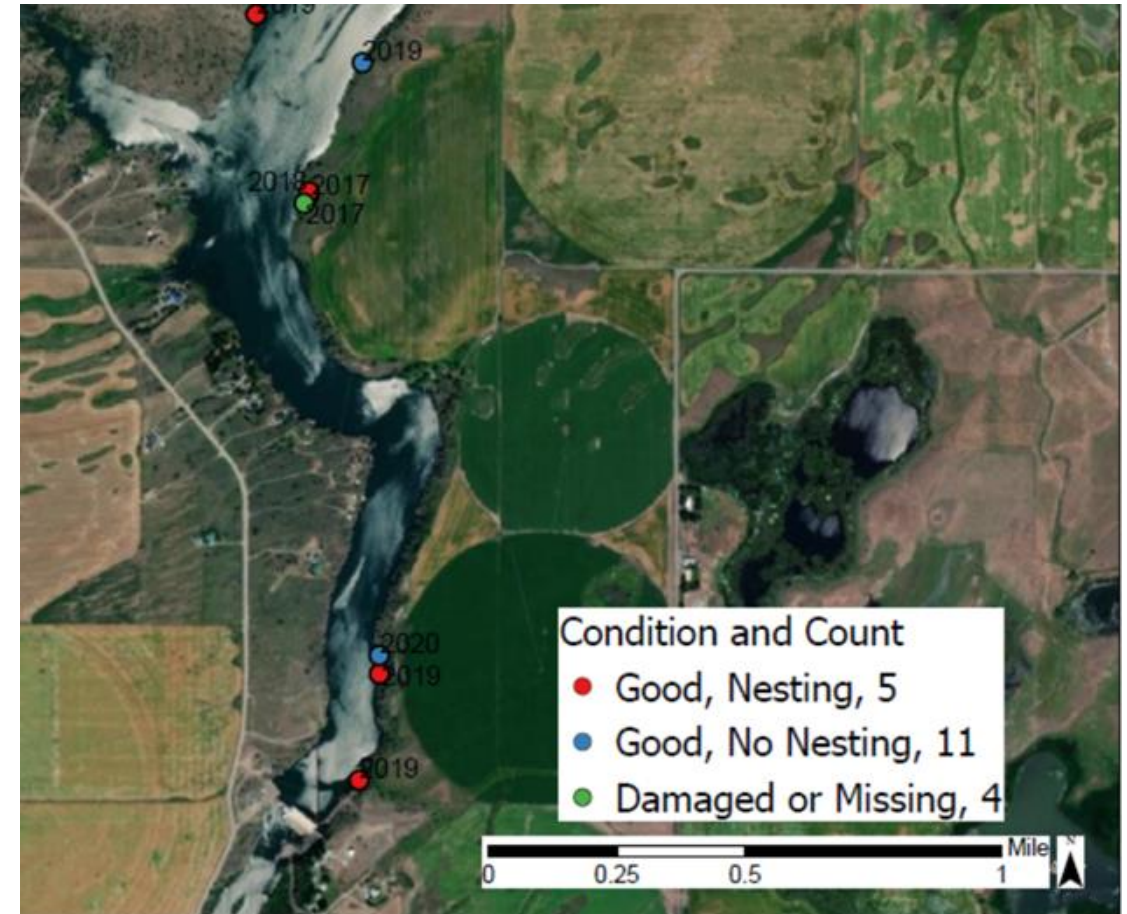
Wildlife Enhancement Plan (2016)

- FERC Project Boundary (reservoir, PacifiCorp-owned lands, leased conservation lands, conservation easements)
- Fencing along reservoir shoreline and wetlands
- Nesting boxes and platforms
- Raptor perches
- Osprey nesting platforms
- Eagle nest monitoring
- Wetland conservation easements and leases
- Shoreline conservation easements
- Noxious weed control



Osprey Nesting Program

- Enhancement Measure = provide and maintain 11 osprey nest platforms along Ashton Reservoir
- Osprey nesting platforms are monitored annually for occupancy and brood success
- Maintenance needs are inspected annually
- In 2022 an assessment of all poles and structures and necessary repairs/replacements will be completed



Osprey Nesting Platform Nesting Success

	2016	2017	2018	2019	2020
Number of nest platforms occupied (out of 11 possible)	5	6	7	5	4
Number of nest platforms fledging young (out of 11 possible)	3	4	4	3	3
Average number of young fledged/occupied nest (range)	1	1	1	1	1
Total number of young known fledged from all platforms	6	5	7	4	5



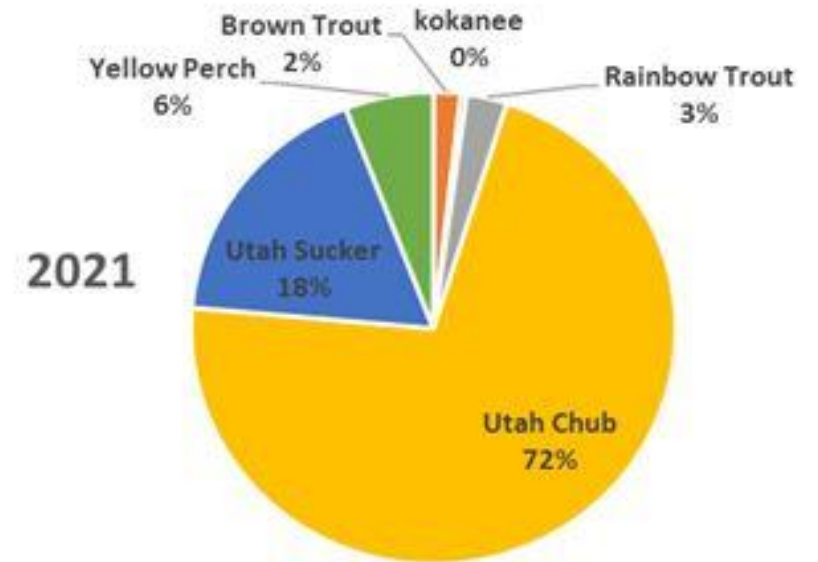
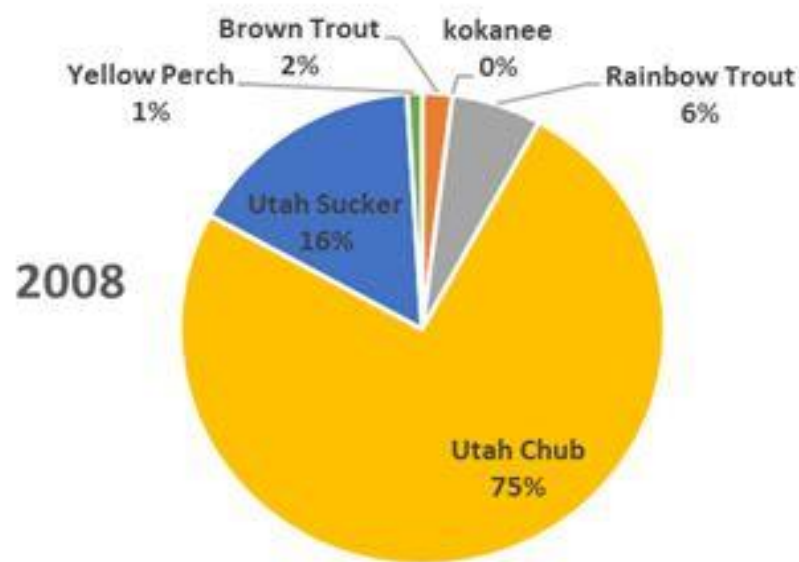
Aquatics

- Per FERC license Rainbow Trout are stocked annually in Ashton Reservoir
- Trout comes from American Falls Hatchery
- Stocking is completed by IDFG and includes approximately 40,000 Rainbow Trout > 6 inches
- In 2021, 38,777 Rainbow Trout were stocked



Ashton Reservoir - Fish Species Present

- IDFG conducted fisheries surveys in 1985, 2008 and 2021
- Methods were gill nets and night-time electrofishing



Jenn Vincent, IDFG

FERC Licensing Team

Role	Name
PacifiCorp Relicensing Project Manager	Briana Weatherly
PacifiCorp License Implementation Project Manager	Mark Stenberg
Consultant Project Manager	Jot Splenda (WSP)
Consultant Deputy Project Manager	Neal Artz (Cirrus Ecological Solutions)

Likely Interested Parties

City of Ashton, Idaho	Downstream irrigation companies	Fremont County, Idaho	Greater Yellowstone Coalition
Henry's Fork Foundation	Idaho Rivers United	Idaho Department of Environmental Quality	Idaho Department of Fish and Game
Idaho Department of Parks and Recreation	Idaho State Historic Preservation Office	Owners of land on which PacifiCorp holds conservation easements	Reservoir irrigation pumpers/water right holders
Shoreline homeowners with docks and other adjoiners	Shoshone-Bannock Tribes	Teton Regional Land Trust	Trout Unlimited
United States Department of Interior, National Parks Service	United States Department of Interior, Bureau of Land Management	United States Department of Interior, Fish and Wildlife Service	



FERC Licensing Process

PacifiCorp intends to use the Traditional Licensing Process (TLP) to apply for a FERC license

Stage 1 (Now - January 2023)

- Initial Consultation with Stakeholders; development and submittal of the Preliminary Application Document (PAD), Notice of Intent (NOI), and TLP request letter.
- Joint agency public meetings and site visit(s)
- Development of site-specific study plans (with stakeholder input)

Stage 2 (2023 - July 2025)

- Implementation of site-specific studies and development of study reports
- Preparation and submittal of Draft License Application (includes study reports)

Stage 3 (July – December 2025)

- Preparation and submittal of Final License Application

FERC Licensing: Key Milestones

Activity	Responsible Party	Time Frame	Target Date
File NOI and PAD, Request use of TLP	PacifiCorp	5 to 5.5 year before current license expires	June 30, 2022
Comments on TLP Request	FERC, Stakeholders	Within 30 days of Public Notice	July 1, 2022
FERC Issues Notice of Commencement and TLP Approval	FERC	Within 60 days of Public Notice	August 29, 2022
Notify FERC and Stakeholders of Joint Meeting and Site Visit and Publish Public Notice	PacifiCorp	At least 15 days prior to meeting	September 28, 2022
Joint Meeting and Site Visit with Stakeholders	PacifiCorp	30-60 days after FERC Notice of Commencement	October 13, 2022
Comments and Study Requests	Stakeholders	No later than 60 days after site visit	December 12, 2022
Study Plan Development	PacifiCorp	Following receipt of comments and study requests	January 11, 2022
Perform Field Studies	PacifiCorp	Up to 1 year	October 8, 2023

FERC Licensing: Key Milestones

Activity	Responsible Party	Time Frame	Target Date
Circulate Draft Study Reports and Receive Comments from Stakeholders	PacifiCorp and Stakeholders	After completion of field studies	November 7, 2023
Draft License Application and Study Reports	PacifiCorp	After receiving comments on Draft Study Reports	July 4, 2025
Comments on Draft License Application	Stakeholders	90 days after receipt of Draft License Application	October 2, 2025
Final License Application	PacifiCorp	At least 2 year prior to license expiration	December 31, 2025
FERC Issues Public Notice of Application	FERC	Within 14 days of Application filing	
Current FERC License Expires	FERC		December 31, 2027

Potential Considerations for Relicensing

- Potential turbine upgrades to Units 2 and 3 (Unit 1 was previously upgraded in the 1990's) for improved efficiency and fish friendliness
- Maintain and possibly enhance amenities (e.g., expanded parking, restrooms, etc.) at headwater access site and existing tailrace fishing access. Headwater access site is co-owned and managed with Fremont County.
- Cultural Resources – Protection of submerged cultural sites during drawdowns
- Fish Entrainment – Proposed unit upgrades will help with survival
- Providing minimum flows, run-of-river operation and limiting stage change downstream of the dam
- Raptor Perches and Nests – PacifiCorp will propose continuing program for Osprey and Bald Eagle nest and perch enhancements
- Reservoir Fish Stocking – PacifiCorp will propose continuing Rainbow Trout stocking program
- Shoreline Management Plan – may be a consideration
- Water Quality – Baseline conditions for water quality certification application are already well documented
- Wildlife Enhancement Plan – Review of wildlife enhancement plan measures in updated 2016 Wildlife Enhancement Plan and the continuation or modification of these measures

Project Success Factors

- PacifiCorp files a comprehensive PAD that includes upgrade proposal and presents all existing data and study results
- Trust and respect is built with Interested Parties through interest-based and transparent communication
- Study Plans and field studies adequately address PacifiCorp and Interested Parties' concerns
- Project stays on schedule
- A license is obtained prior to December 31, 2027
- We all have fun!



**For questions, please contact Briana Weatherly at
503.813.7039 or Briana.weatherly@pacificorp.com**