



e-FILING REPORT COVER SHEET

COMPANY NAME: IDAHO POWER COMPANY

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION?  No  Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type:  RE (Electric)  RG (Gas)  RW (Water)  RT (Telecommunications)  
 RO (Other, for example, industry safety information)

Did you previously file a similar report?  No  Yes, report docket number: RE 35

Report is required by:  OAR 860-027-0015

Statute

Order

Note: A one-time submission required by an order is a compliance filing and not a report (file compliance in the applicable docket)

Other

(For example, federal regulations, or requested by Staff)

Is this report associated with a specific docket/case?  No  Yes, docket number: RE 35

List Key Words for this report. We use these to improve search results.

Send the completed Cover Sheet and the Report in an email addressed to [PUC.FilingCenter@state.or.us](mailto:PUC.FilingCenter@state.or.us)

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.



**MATTHEW T. LARKIN**  
Revenue Requirement Senior Manager  
[mlarkin@idahopower.com](mailto:mlarkin@idahopower.com)

March 31, 2022

**VIA ELECTRONIC FILING**

[PUC.FilingCenter@state.or.us](mailto:PUC.FilingCenter@state.or.us)

Re: RE 35 - Idaho Power Company's New Construction Budget Report for 2022

Attention Filing Center:

Pursuant to OAR 860-027-0015, Idaho Power Company ("Idaho Power") herewith transmits for electronic filing its New Construction Budget Report for 2022.

The redacted forecast financial information in this report, given its magnitude and level of detail, is commercially sensitive and potentially material non-public information under federal securities laws, and if disclosed freely could subject Idaho Power or its customers to risk of competitive disadvantage, legal harm, or other business injury. The redacted forecast financial information should be treated as confidential until Idaho Power publicly discloses the information in a broad, non-exclusionary manner consistent with the requirements of Regulation FD of the U.S. Securities and Exchange Commission (for example, via a national press release or public filing with the U.S. Securities and Exchange Commission).

A confidential unredacted version of the report will be sent in a separate encrypted email. If you have any questions, please call me at 208-388-2461.

Very truly yours,

A handwritten signature in blue ink, appearing to be "M. Larkin".

Matthew T. Larkin

MTL:sg  
Enclosure



PUBLIC UTILITY COMMISSION OF OREGON  
 PO BOX 1088, SALEM, OR 97308-1088  
[PUC.FilingCenter@state.or.us](mailto:PUC.FilingCenter@state.or.us)

## ELECTRIC COMPANY NEW CONSTRUCTION BUDGET FOR 2022

### GENERAL INSTRUCTIONS

1. Each energy utility operating within the State of Oregon and having gross operating revenues of \$50,000 or more per year is required to file a New Construction Budget annually on or before March 31<sup>st</sup> and report information on new construction, extensions, and new additions to property of the utility in accordance with Oregon Administrative Rule 860-027-0015.
2. The New Construction Budget Report should be completed and filed with the Public Utility Commission of Oregon Filing Center. Complete the e-Filing Report Cover Sheet found at [http://www.puc.state.or.us/eFiling/eReports/efiling\\_report\\_cover\\_sheet\\_FM050.pdf](http://www.puc.state.or.us/eFiling/eReports/efiling_report_cover_sheet_FM050.pdf). Email both the report and the cover sheet to [PUC.FilingCenter@state.or.us](mailto:PUC.FilingCenter@state.or.us), no later than March 31<sup>st</sup>.

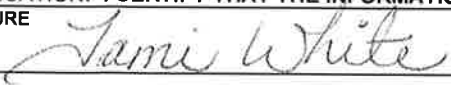
### PROJECT NARRATIVE

For major projects (the three largest projects in terms of cost and all projects greater than \$10 million) a narrative supplying the following information is required:

1. Project Description: Include a brief technical specification of the project, ownership, if jointly owned, operating date, stage of construction, and other relevant information.
2. Need for the Project: Attach all prepared information documenting the need for the project, including the specific need the project is intended to fill. Economic comparisons with alternatives are to be attached. All the underlying assumptions of the economic analyses are to be specified.
3. Contingencies: Attach a listing of existing or potential future problems which might impact the final cost or successful completion and operation of the project, such as licensing problems, labor difficulties, litigation, etc.
4. Reconciliation with Prior Budget: Each successive year's budget can be expected to reflect differing estimates of project costs as the project progresses. For each major project, prepare a reconciliation with the prior budget's estimates and provide specific reasons for the changes.

In addition, please attach copies of prepared documentation or plans describing generation transmission, and general plant projects exceeding \$1,000,000 in total cost and for which construction will commence in the budget year. Information submitted should contain:

1. A Brief Project Description: Include the project function (e.g., production, transmission, distribution, general plant, thermal, hydro, or other), project identification.
2. Location: Include a starting and ending date.
3. Total budgeted cost.

FULL NAME OF ELECTRIC COMPANY Idaho Power Company			
ADDRESS: PO BOX OR STREET NUMBER 1221 W Idaho Street	CITY Boise	STATE ID	ZIP CODE 83702
CERTIFICATION: I CERTIFY THAT THE INFORMATION REPORTED IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.			
SIGNATURE 		TITLE Budget and Revenue Manager	DATE 3/31/2022

**INSTRUCTIONS**

1. Report size of major production projects only, and percent ownership, scheduled operating dates, and expenditures required to complete project for major production, transmission, and general plant projects.
2. Major projects are defined as those projects having a total estimated cost to completion exceeding \$10 million.
3. Under "Distribution," report specific line item expenditures for the budget year only. All expenditures for distribution following the budget year should be aggregated for the year and only total distribution expenditures reported for the period.
4. Non-major project expenditures within each category should be aggregated and only the totals reported.
5. Report all expenditures in thousands of dollars.

DESCRIPTION	SIZE	PERCENT OWNERSHIP %	SCHEDULED OPERATING DATE (MO / YR)	EXPENDITURES (B.Y. = BUDGET YEAR; B.Y.+ 1 = THE FIRST YEAR AFTER THE BUDGET YEAR, ETC.)							REQUIRED TO COMPLETE	TOTAL
				PRIOR TO B.Y.	B.Y.	B.Y. + 1	B.Y. + 2	B.Y. + 3	B.Y. + 4			
<b>Major Production Projects:</b>												
<b>Hells Canyon Complex Relicensing</b> - This project includes amounts incurred for the ongoing relicensing efforts for the Hells Canyon Complex. Idaho Power continues to work closely with various agencies and stakeholders to resolve issues associated with Section 401-Clean Water Act certification.	NA	100%	Unknown	379,894	4,346	■	■				■	
<b>Hells Canyon Complex License Early Mitigation and Compliance</b> - This project represents the capital expenditures to comply with the anticipated terms of a new Hells Canyon Complex license order. Early mitigation projects began in 2005 based on necessity or opportunity to address expected compliance requirements.	NA	100%	Various	111,796	3,437	■	■				■	
<b>Lower Salmon Units 1 &amp; 3 Turbine Refurbishments</b> – This project will replace the fixed pitch turbine and refurbish mechanical components. The generators will be refurbished with new stator iron and coils, and the rotor poles will be refurbished. The project will increase unit efficiency and extend the life of the units.	NA	100%	2023	14,378	4,997	■					■	
<b>Oxbow Fish Hatchery Renovation</b> – This project is required for a renewed Hells Canyon Complex license. The chiller used to help regulate egg development will be replaced. Once complete, the renovation of the facility will improve the egg incubation and adult fish holding programs.	NA	100%	2023	3,550	10,098	■					■	
<b>American Falls Units 1, 2, &amp; 3 Turbine and Generator Refurbishments</b> – This project will replace the fixed pitch turbine and refurbish mechanical components. The generators will be refurbished with new stator iron and coils, and the rotor poles will be refurbished. The project will increase unit efficiency and extend the life of the units.	NA	100%	2026	3,938	6,959	■	■				■	

<p><b>Oxbow Units 1, 2, 3, and 4 Turbine and Generator Refurbishments</b> – This project will refurbish mechanical components. The generators will be refurbished with new stator iron and coils, and the rotor poles will be refurbished. The project will increase unit efficiency and extend the life of the units.</p>	NA	100%	2028	147	5,251	■	■	■
<p><b>Hells Canyon Generator Refurbishments</b> – This project refurbishes the generator units for Hells Canyon units 1 and 3. The project will include replacing the stator coils and bus rings and refurbishing the rotor poles. This project will improve reliability, help maintain generation capacity, and result in improved efficiency while renewing the useful life of the generators.</p>	NA	100%	2023	9,904	6,852	■	■	
<p><b>Jim Bridger Flue Gas Desulfurization Pond</b> – Coal Combustion Residual Rules (CCR) established by the EPA require the unlined flue gas desulfurization (FGD) pond #2 at the Jim Bridger plant stop receiving scrubber waste in 2023. The FGD pond receives waste liquor from the scrubbers which remove sulfur dioxide from the emitted flue gas. This project will create a Subtitle-D compliant CCR pond.</p>	NA	33%	2024	3,168	10,960	■	■	■
<p><b>Langley Gulch - Major Overhaul and Inspection</b> – A major overhaul and inspection is planned in 2022. Idaho Power has contracted with a service provider to perform the long-term maintenance activities for its gas plants, including Langley Gulch's gas turbine. The service provider will provide parts and services for scheduled activities as well as refurbishment for any identified parts or performance needs.</p>	NA	100%	2022	7,363	22,006	■		
<p><b>Bennett Mountain - Major Overhaul and Inspection</b> – A major overhaul and inspection is planned in 2022. Idaho Power has contracted with a service provider to perform the long-term maintenance activities for its gas plants, including Bennett Mountain's gas turbine. The service provider will provide parts and services for scheduled activities as well as refurbishment for any identified parts or performance needs.</p>	NA	100%	2022	1,373	28,031	■		
<p><b>Danskin - Major Overhaul and Inspection</b> – A major overhaul and inspection is planned in 2022. Idaho Power has contracted with a service provider to perform the long-term maintenance activities for its gas plants, including Danskin's gas turbine. The service provider will provide parts and services for scheduled activities as well as refurbishment for any identified parts or performance needs.</p>	NA	100%	2023	1,373	7,729	■	■	

<p><b>Distributed Battery Energy Storage System –</b>  Battery Energy Storage Systems (BESS) will be installed at four substations (Elmore, Weiser, Filer, and Melba). The BESS will be charged during off-peak times from the existing grid when energy is not in high demand and discharged during peak demand, typically during the evening hours. In addition to providing peak capacity, the BESS will defer distribution infrastructure investments and provide ancillary benefits such as frequency and voltage support.</p>	NA	100%	2023	3,218	10,931	█						█
<p><b>Peak Capacity Resources –</b> Idaho Power has solicited a Request for Proposal to enter into agreement(s) to purchase products for generating capacity resources that may include wind, solar, and battery energy storage. Idaho Power's service area continues to experience customer growth and an increasing peak demand (load) for electricity. The addition of new resources to meet peak demand is critical to ensure Idaho Power can continue to reliably meet the growing demands on the electrical system and serve its customers.</p>	NA	100%	2025	-	95,868	█	█					█
<p><b>Oxbow Dam Spillway Refurbishment –</b>  Rehabilitation of the spillway concrete chute is needed to address deterioration and erosion of the spillway chute concrete. The anticipated Hells Canyon Complex new FERC license requires installing flow deflectors on this spillway to minimize total dissolved gas levels. This work is planned to be completed concurrently with the spillway rehabilitation work to realize cost efficiencies and reduce outage time.</p>	NA	100%	2024	2,711	4,158	█	█					█
<p><b>Rapid River Hatchery Renovation –</b> The renovation plan includes modernizing the facility and expanding the production capability consistent with the Idaho and Oregon Settlement Agreement signed in April 2019 related to fish passage at Hells Canyon among other things. The completion date is targeted to meet the terms of the Settlement Agreement.</p>	NA	100%	2025	258	715	█	█					█
<p><b>Non-Major Production Projects</b></p>					33,677	█	█					
<p><b>Total Production Projects</b></p>					256,015	█	█					
<p><b>Major Transmission Projects:</b>  Due to FERC Standards of Conduct, IPC has presented its major and non-major transmission projects in total, and without year by year amounts for the projects discussed.</p>												
<p><b>Boardman-to-Hemingway Transmission Line -</b>  The Boardman-to-Hemingway line, a proposed 300-mile, 500-kV transmission project between a station near Boardman, Oregon and the Hemingway station near Boise, Idaho, would provide transmission service to meet future</p>												



<p>area south of Meridian, Idaho. The project includes building a new 44.8 MVA substation with three distribution feeders. A new four-mile 138-kV transmission line from Mora Substation will be added to the rebuilt Hubbard to Caldwell 230-kV line to serve the station.</p> <p><b>Non-Major Transmission Projects</b></p> <p><b>Total Transmission Projects</b></p>					72,071						
<p><b>Distribution (See Instruction 3):</b></p> <p><b>Station Equipment</b></p> <p><b>Poles, Towers, and Fixtures</b></p> <p><b>Overhead Conductors and Devices</b></p> <p><b>Underground Conductors and Devices</b></p> <p><b>Underground Conduit</b></p> <p><b>Line Transformers</b></p> <p><b>Services</b></p> <p><b>Meters</b></p> <p><b>Street Lighting and Signal Systems</b></p> <p><b>Other:</b></p> <p><b>Total Distribution</b></p>					17,080 17,404 8,620 17,772 3,023 38,757 3,761 6,237 315 3,701 116,670						
<p><b>Major General Plant Projects:</b></p> <p><b>Distribution Center at Boise Bench</b> – This project would build a centralized distribution center to accommodate current inventory needs and prepare for future growth. The facility would be built on an existing piece of land owned by Idaho Power: the Boise Bench Transmission Station. Located at Holcomb and Amity Rd in Boise, this 35,000 square-foot facility would house materials to support all Idaho Power properties across its 24,000 square-mile service area. This location in the Capital Region, which serves 42% of Idaho Power’s customer base, would best serve customers and support Operations crews in the most efficient and cost-effective manner.</p> <p><b>Grid Modernization Single Vendor Platform</b> – The purpose of this project is to consolidate systems into an efficient, secure single vendor platform. Additionally, this set of investments is aimed at establishing a full Advanced Distribution Management System (ADMS), improving reliability by increasing operational visibility of the distribution system and providing enhanced monitoring and control for operators. ADMS will provide future capabilities to monitor real time grid state information with advanced applications such as fault locating, isolation and system restoration, automated switch order management and distributed generation management.</p>		100%	2024	-	1,128						
<p><b>Non-Major General Plant Projects</b></p> <p><b>Total General Plant Projects</b></p> <p><b>Total New Construction Budget</b></p>				-	48,023 54,861 499,617						



**NEW CONSTRUCTION BUDGET - 2022**  
**IDAHO POWER COMPANY**  
**OTHER PROJECTS EXCEEDING \$1 MILLION (in thousands)**

Project	In Service Date	B.Y. Cost	B.Y. + 1	B.Y. + 2	3 Year Total	Description
<b>PRODUCTION</b>						
Brownlee Dam Spillway Refurbishment	2026	\$ 711	\$ █	\$ █	\$ █	Rehabilitation of the spillway concrete chute is needed to address findings of the Federal Energy Regulatory Commission (FERC) required Focused Spillway Assessment in 2017. The repairs will prevent further deterioration and erosion of the spillway chute concrete. The anticipated Hells Canyon Complex new FERC license requires installing flow deflectors on this spillway to minimize total dissolved gas levels.
C. J. Strike Plant Modernization	2025	304	█	█	█	Replace power plant control and protection systems. This includes new digital governors, new plant Graphical User Interface and historian, Balance of Plant control upgrades, as well as unit protection upgrades that all meet the fleet standards.
Oxbow Hydroelectric Project Plant Controls Modernization	2028	76	█	█	█	Replace the original Oxbow generator governors with new digital style governors per the current fleet standards. Also included will be the replacement of the unit controls and Balance of Plant control systems.
American Falls Hydroelectric Project New Spare for Generation Step-Up Transformer	2022	1,664			█	No spare Generation Step-Up Transformer (GSU) is available and testing shows long history of heating gasses. If there were to be a GSU failure, the American Falls Hydroelectric Project Plant could be without generation for up to 12 months due to long lead times. The main GSU is original plant equipment installed in the 1970's.
Woodhead Electrical Upgrade	2024	351	█	█	█	Electrical system upgrade at Woodhead B Loop. The B Loop includes the highest demand sites. This would be phase one of four to upgrade the electrical at Woodhead and Copperfield Park over the next four years. The upgrades will include the primary conductor to the loop, new panels for the main breaker, and new pedestals at each site with 50, 30, and 20 amp services.
Upper Salmon A Trash Rake Replacement	2023	427	█		█	Removal of the existing Atlas Polar trash rake and conveyor system for trash removal at the Upper Salmon A Power Plant. A new trash rake will be installed and commissioned. The current Atlas Polar trash rake has reached its life expectancy and appears overworked for this application. Heavy loads have damaged the booms.
Oxbow Tailgate Crane Upgrade	2023	485	█		█	Replace the tailgate installation system at Oxbow Plant as well as replacing limiting switches and installing Variable Frequency Drives for motors. Portions of the crane will be replaced, including the drum, cable, lifting bridle, and possibly the hook. Limiting switches will be updated and soft start will be added to the motors to aid in gate alignment during installation and limit gate swing during moving.
Oxbow Hydroelectric Project Plan - Oxbow Maintenance Facility	2024	250		█	█	This project is to construct a maintenance facility for the Oxbow plant that will support the Hells Canyon and Oxbow power plants generator and turbine projects. The building will have warehouse and work space. A gantry crane will be installed for moving large materials in the building. The site will be fenced for additional exterior laydown area.
<b>TRANSMISSION</b>						
See Note at the Major Transmission Project section of this report.						
<b>GENERAL PLANT</b>						
Replace Nokia 7705 MPLS multiplexers	2026	\$ 63	\$ █	\$ █	\$ █	Replace MPLS multiplexers with next generation multiplexers. Nokia will be announcing end of life of some core, key components of Idaho Power's MPLS multiplexer equipment. The end of life will mean a lack of support for the equipment and software required to keep the network safe from vulnerabilities.
Remodel Pocatello Operations Center	2023	150	█		█	Project to upgrade the Pocatello Operations Center. Additional headcount located at the Pocatello sites creates space shortfalls that will be addressed in this remodel as well as upgrading HVAC systems, electrical grounding, inefficient furniture layouts/old components, restrooms, fire suppression systems and security.
Payette Operations Center Warehouse Remodel	2023	150	█		█	Payette warehouse remodel of front counter area, mezzanine and tool/meter area for improved efficiency and storage space. Inventory levels continue to grow and the Payette warehouse is not designed for full space utilization. Mezzanine and office area can not currently be fully utilized for material storage due to accessibility of area.