Public Utility Commission

e-FILING REPORT COVER SHEET

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

REPORT NAME:	Electric Company New Construction Budget Report for 2017
COMPANY NAME:	Idaho Power Company
DOES REPORT COM	NTAIN CONFIDENTIAL INFORMATION? No Yes
• -	submit only the cover letter electronically. Submit confidential information as directed in or the terms of an applicable protective order.
If known, please selec	et designation: RE (Electric) RG (Gas) RW (Water) RO (Other)
Report is required by:	OAR 860-027-0015
	Statute
	Order
	Other
Is this report associate	ed with a specific docket/case? No Yes
If yes, enter do	ocket number: AR 578
List applicable Key W	Vords for this report to facilitate electronic search:
	ally file with the PUC Filing Center:
' \ \ \	nual Fee Statement form and payment remittance or
/ / / / / /	JS or RSPF Surcharge form or surcharge remittance or y other Telecommunications Reporting or
	y oner referentialisment in Keporting or

• Accident reports required by ORS 654.715

Please file the above reports according to their individual instructions.

Any daily safety or safety incident reports or



LISA D. NORDSTROM Lead Counsel Inordstrom@idahopower.com

March 28, 2017

Public Utility Commission of Oregon Filing Center 201 High Street SE, Suite 100 Salem, Oregon 97301

Re: Idaho Power Company's New Construction Budget Report for 2017

Attention Filing Center:

Idaho Power Company ("Idaho Power") herewith transmits for electronic filing its New Construction Budget Report for 2017 pursuant to Oregon Administrative Rule 860-027-0015 and Order No. 14-177 in Docket No. AR 578.

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 will be provided via U.S. Mail.

If you have any questions, please call me at 208-388-5825.

Very truly yours,

Lisa D. Nordstrom

Lisa D. Madotrom

LDN:kkt Enclosure

cc: Paula Penza

ELECTRIC COMPANY NEW CONSTRUCTION BUDGET FOR	2017
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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 31st 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. Email both the report and the cover sheet to PUC.FilingCenter@state.or.us, no later than March 31st.

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.
- 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	CITY		STATE	ZIP CODE
1221 W Idaho St.	Boise		D	83702
CERTIFICATION: I CERTIFY THAT THE INFORMATION REPORT	ED IS TRUE	AND COMPLETE TO THE	BEST OF MY KNOW	LEDGE.
SIGNATURE		TITLE		DATE
Mark a annis		Manager, Bud	get + Revenu	e 3-21-17

chedule B: Electric Company New Construction Budget (System)	COMPANY:	BUDGET YEAR:
Schedule B: Electric Company New Construction Budget (System)	Idaho Power Company	2017

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.

	SIZE	PERCENT	SCHEDULED	- The state of the										
DESCRIPTION	SIZE	OWNERSHIP %	OPERATING DATE (MO / YR)	PRIOR TO B.Y.	B.Y.	B.Y. + 1	B.Y. + 2	B.Y. + 3	B.Y. + 4	REQUIRED TO COMPLETE	TOTAL			
Major Production Projects: Brownlee Turbine Runner Replacement - This project is to replace the runners and refurbish the turbines for Brownlee units 1 through 4. One unit per year will be completed between 2016 and 2019. In addition to resolving damage due to cavitation, the new runners will improve generation efficiency.	NA	100%	Various	31,895	11,912									
Hells Canyon Complex Relicensing - This project includes amounts incurred for the ongoing relicensing efforts for the Hells Canyon Complex (HCC). IPC continues to work closely with various agencies and stakeholders to resolve issues associated with Section 401-Clean Water Act certification.	NA	100%	Unknown	247,464	7,515									
Hells Canyon Complex License Early Mitigation and Compliance - 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. Receipt of the license is not expected until sometime in the future.	NA	100%	Various	49,611	8,629									
Shoshone Falls Unit 1 and Unit 2 Replacements — This project includes replacing units 1 and 2 with a single 3.2 MW unit, a new step-up transformer, equipment and personnel access improvements to the powerhouse intake, and a warehouse. The work will address aging infrastructure and improve operation and maintenance.	NA	100%	2019	546	1,330									
Bliss Unit 3 Turbine Refurbishment/Upgrade — This project will include replacing the Kaplan runner blades and wicket gates, refurbishing the rest of the turbine unit, repairing existing cavitation and improving oil seals. This project will also replace the generator stator iron laminations and coils, reinsulate the rotor poles, PUC FORM 355 (11-2016)	NA	100%	2018	3,723	5,781									

and overhaul the rest of the generator components. The project will result in improved efficiency, improved cavitation resistance, and renew the useful life of the turbine and generator.								
Gas Fleet Program Parts and Service Contract – This program represents the capital cost of an original equipment manufacturer (OEM) managed long term service program for the three Siemens combustion turbines at Bennett Mountain, Danskin and Langley Gulch. The program includes supplying new and refurbished parts, performing inspections and repairs to critical components, program management, and necessary outage services at both OEM recommended service intervals and when forced outages occur.	NA	100%	Various	8,588	7,822			
Non-Major Production Projects				-	60,081			
					103,070			+
Total Production Projects Major Transmission Projects:					103,070			1
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. Boardman-to-Hemingway Transmission Line -								
The Boardman-to-Hemingway Iriansmission Line - 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 resource needs. The Boardman-to-Hemingway line was included in the preferred resource portfolio in Idaho Power's 2015 IRP.								
Hemingway 230-kV Integration Projects - These projects are required to integrate the Boardman-to-Hemingway 500-kV line into the Idaho Power system to allow the capacity of the Boardman-to-Hemingway line to be fully utilized.								
Gateway West Transmission Line - Idaho Power and PacifiCorp are pursuing the joint development of the Gateway West project, a 500-kV transmission project between a station located near Douglas, Wyoming and the Hemingway station near Boise, Idaho.								
King-Wood River Rebuild 138-kV Transmission Line - This project will rebuild the existing 138- kV line from King Substation near Hagerman to								

the Wood River Substation in Hailey. When	1				I	1	
completed, this new line will provide							
transmission capacity and improve reliability for							
the Wood River Valley area.	- [
Vood River-Ketchum 138-kV Redundant							
Transmission Line – This project will provide							
redundancy and improve reliability for the		1			l j		
Ketchum and Sun Valley areas, which are							
currently served by a single 138-kV		4					
transmission line. In addition to improving							
reliability for the area, this project will reduce							
future maintenance and repair costs by							
providing greater outage management flexibility							
for the north Wood River Valley.							
1950 Midpoint-Borah 345-kV Transmission Line -							
This project rebuilds the line and replaces wood							
poles nearing the end of their anticipated useful							
lives. Several other issues with the line such as							
grounding failures, insulator flashovers, leaning							
structures, National Electric Safety Code							
structural capacity, and ground clearance will					l l		
be resolved. Idaho Power will rebuild the line							
using 345-kV construction standards, which will increase reliability and decrease future							
maintenance and capital costs.							
· ·							
2-Way Radio Upgrade - This project upgrades the							
existing 2-way radio system and provides							
enhances employees' ability to operate the	- 1						
electrical system safely and effectively. This project will improve the incoming call process							
for dispatch by adding a call queueing system;							
eliminating one-sided communication between							
field personnel and dispatch, automating base							
station selection for dispatch and field							
personnel; and improving radio coverage gaps.							
Non-Major Transmission Projects		4					1
ton-major transmission riojects							1
Total Transmission Projects			64,096				1
Distribution (See Instruction 3):							
Station Equipment Poles, Towers, and Fixtures			12,342				
Overhead Conductors and Devices			14,218 7,287				
Inderground Conductors and Devices			13,524				
Inderground Conductors and Devices		1	2,764				
ine Transformers			29,782				
Services			3,301				
Meters			4,843	1			
Street Lighting and Signal Systems			249				
Other:			2,229				
Total Distribution			90,539				
lajor General Plant Projects:		1	30,000				

Non-Major General Plant Projects	36,114
Total General Plant Projects	36,114
Total New Construction Budget	293,819
	2

NEW CONSTRUCTION BUDGET - 2017 IDAHO POWER COMPANY OTHER PROJECTS EXCEEDING \$1 MILLION

Project	In Service Date		B.Y. Cost		B.Y. + 1		B.Y. + 2		3 Year Total	Description
PRODUCTION					Diley.	1 1150	()	M.	N. 31 00	
Bridger - Phase 3, FGD Pond 2A-Pond Construction	2020	\$	200	\$		\$		\$		This project is to construct a Flue Gas Desulfurization Pond in compliance with Subtitle-D Coal Combustion Residuals regulations.
Bridger - Unit 1 APH Baskets and Reinforcement	2018	s	200	\$		\$	¥	\$		This project is to replace all baskets in both air preheaters and make repairs to rotor post, diaphragms, and stay plates, The APH baskets are expected to be less prone to pluggage and will address corrosion from future pollution controls,
Bridger - Boiler Panel Replacement	2018	\$	275	\$		\$		\$		This project is to install new outer 10 panels of the low-temp superheat (primary superheater). The project addresses the risk of forced outage due to fly ash erosion causing a failure.
Oxbow - GSU Replacement	2018	S	584	\$		\$	*	\$		This project is to replace the final GSU that was manufactured prior to 1965.
Lower Salmon Plant - Upgrade Local Service	2018	\$	714	s		\$	9	\$		This project will upgrade the local service system in the Lower Salmon power plant, bringing it up to Idaho Power standards.
Lower Salmon Plant - Unit 2 Turbine and Generator Refurbishment	2019	\$	22	\$		\$		\$		This project will refurbish the turbine mechanical components to gain a life extension of 50 years. Additionally, the project will rewind Lower Salmon #2 generator and reinsulate the rotor poles,
TRANSMISSION	See Note at 1	the M	aior Tr	ansmis	sion Pr	niect se	ection of	this re	enort.	
INAMISSION	See Note at		ajor II		Stort I I					
GENERAL PLANT				l con	STORE.				THE	
Microwave Radio Equipment	2019	\$	48	S		\$		\$		This project is to replace microwave radios, antennae, and wave traps with manufacturer supported equipment.
2-Way Radio Equipment	2021	\$	175	\$		\$		\$		This project is to supplement the 2-way trunked radio system with greenfield sites to maintain coverage and fill gaps in coverage.
700 MHz Radio Communications System	2019	s	500	s		\$		\$		This project is to identify and scope next generation Volt/Var control system and begin build-out of 700MHz radio communication system, satisfying FCC requirements for system build-out.
Customer Multi-Channel Self Care	2019	\$	50	\$		s		\$		This project is to develop and implement a customer self-service roadmap to meet customer expectations of communicating and conducting business with Idaho Power using mobile/digital self-service options.
Hells Canyon - Circle C Bunk Houses and Mess Hall	2018	\$	358	\$		\$	ā	\$		This project is to construct a bunk house, accommodate meals, and provide boat storage to support the 2021 licensing of the Hells Canyon Complex work.
Boise Operations Center - Divots Land Use	2020	\$	1,206	S		\$	*	\$		This project includes the design and construction of training lines on the property.
Hells Canyon - Sediment Programs	2021	\$	515	\$		\$		\$		This project will work towards compliance with the Final Environmental Impact Statement requiring Idaho Power to develop a Sediment Monitoring Plan and Fall Chinook Gravel Monitoring Plan.
Customer Relations Management	2017	\$	1,185	\$	5	\$		\$		This project is to leverage existing Customer Relationship Management in the SAP Customer Relations and Billing system. The project will enable Idaho Power to manage business processes related to customer programs, collections, marketing, and outage communication more efficiently.
Disaster Recovery Gap Remediation	2018	\$	1,560	s				\$		This project will remediate gaps in Information Technology recovery objectives as defined by the Business Impact Analysis.