



2023 IRP Overview

Jared Hansen, Resource Planning

Ways to Contact Us

[Idahopower.com/IRP](https://idahopower.com/IRP) -> **Public Input**

email us at [✉ irp@idahopower.com](mailto:irp@idahopower.com)

Meeting Materials

Idahopower.com/IRP

IRPAC Meeting Outline

Meeting	Date	Topics
Energy Efficiency Subcommittee Meeting	May 4	Energy Efficiency and T&D Deferral
IRPAC Meeting #1	September 8	2021 IRP Review, 2023 IRP Overview, Carbon Outlook, Transmission Update
IRPAC Meeting #2	October 13	Forecasts (CSPP, Natural Gas, Energy & Demand)
IRPAC Meeting #3	November 10	Hydro System, Energy Efficiency (EE), Effective Load Carrying Capability (ELCC), Demand Response (DR), Modeling Scenarios
IRPAC Meeting #4	December 8	Resource Adequacy, Future Supply-Side Resources
IRPAC Meeting #5	January 12	T&D Planning Topics, Solar on Underutilized Lands, Stochastics
IRPAC Meeting #6	February 9	Portfolio Development & Sensitivities, Risk Metrics
Analysis Check-In Meeting	March 9	Analysis Methodology, Transmission
IRPAC Meeting #7	April 13	Analysis Results, Preferred Portfolio and Action Plan

Meeting Topics

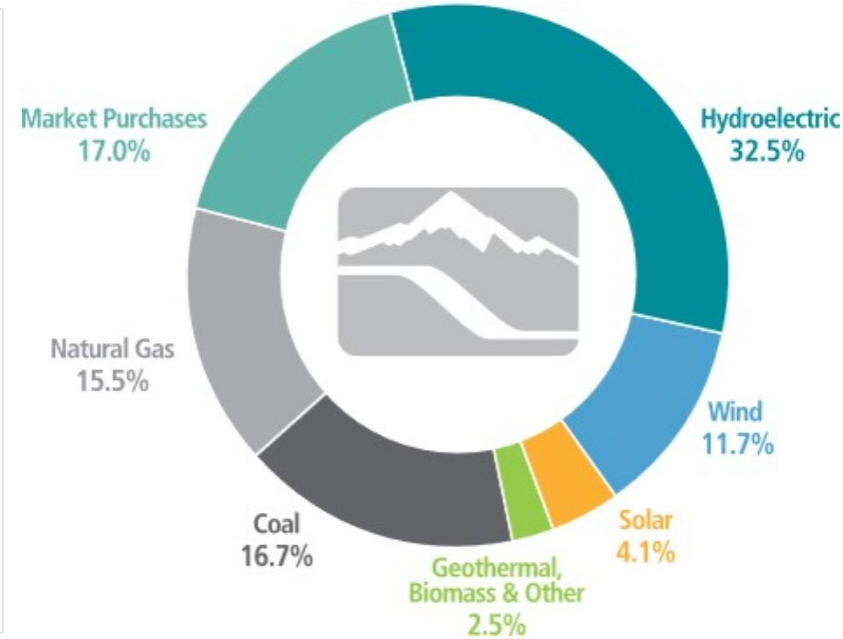
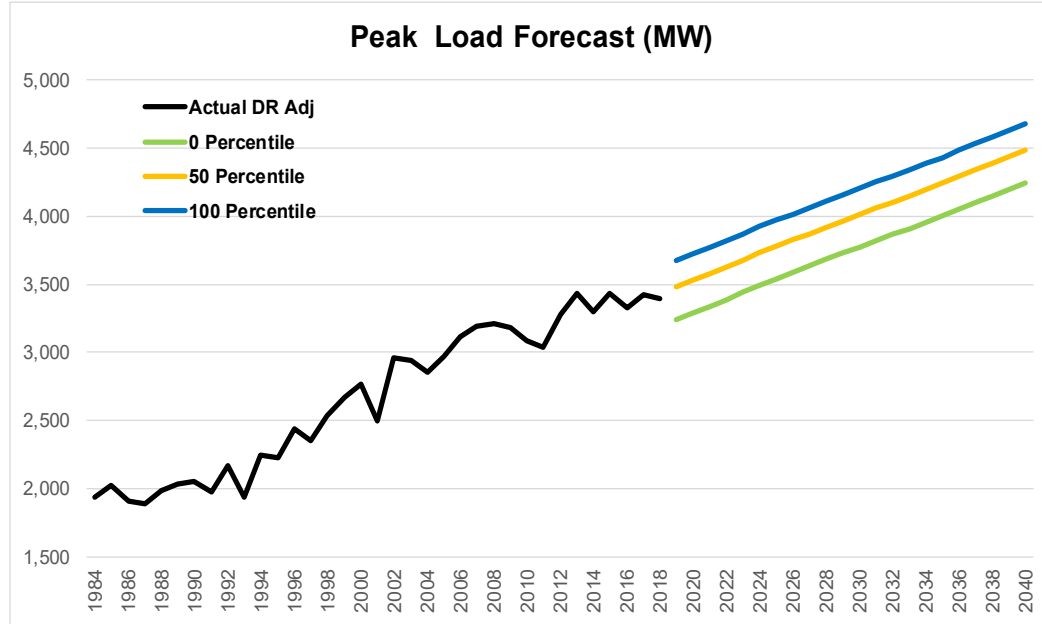
Meeting	Presentation	Purpose
1	IRP Overview	Education
1	Carbon Outlook	Share / Collect Feedback
1	Transmission Update	Education
2	CSPP Forecast	Education
2	Natural Gas Forecast	Education
2	Load Forecast	Share / Collect Feedback
3	Hydro System	Education
3	Energy Efficiency	Education
3	ELCC	Share / Collect Feedback
3	Demand Response	Share / Collect Feedback

Meeting	Presentation	Purpose
4	Resource Adequacy	Education
4	Future Supply-Side Resources	Share / Collect Feedback
5	T&D Planning Topics	Share / Collect Feedback
5	Modeling Scenarios	Share / Collect Feedback
6	Portfolio Development & Sensitivities	Share / Collect Feedback
6	Risk Metrics	Share / Collect Feedback
Check-In	Analysis Methodology	Share / Collect Feedback
Check-In	Stochastics	Share / Collect Feedback
7	Analysis Results	Share / Collect Feedback
7	Preferred Portfolio and Action Plan	Share / Collect Feedback

Today's Agenda

Thursday, Sept. 8, 2022 (IRPAC Meeting #1)		
<i>Allotted Time</i>	<i>Discussion Topic</i>	<i>Presenter</i>
9:00-9:10	Introduction	Jared H
9:10-9:35	Round Table - What Matters to You?	IRPAC Members
9:35-10:00	2021 IRP in Review	Jon Moreno-Ramirez, Ian McGetrick
10:00-10:45	2023 IRP Schedule and Process Overview	Jared Hansen
10:45-10:55	<i>Break</i>	
10:55-11:25	2023 IRP Carbon Outlook	John Carstensen
11:25-11:55	Transmission Update	Curtis Westhoff
11:55-12:00	Meeting Wrap-Up / General Q&A	Jared Hansen

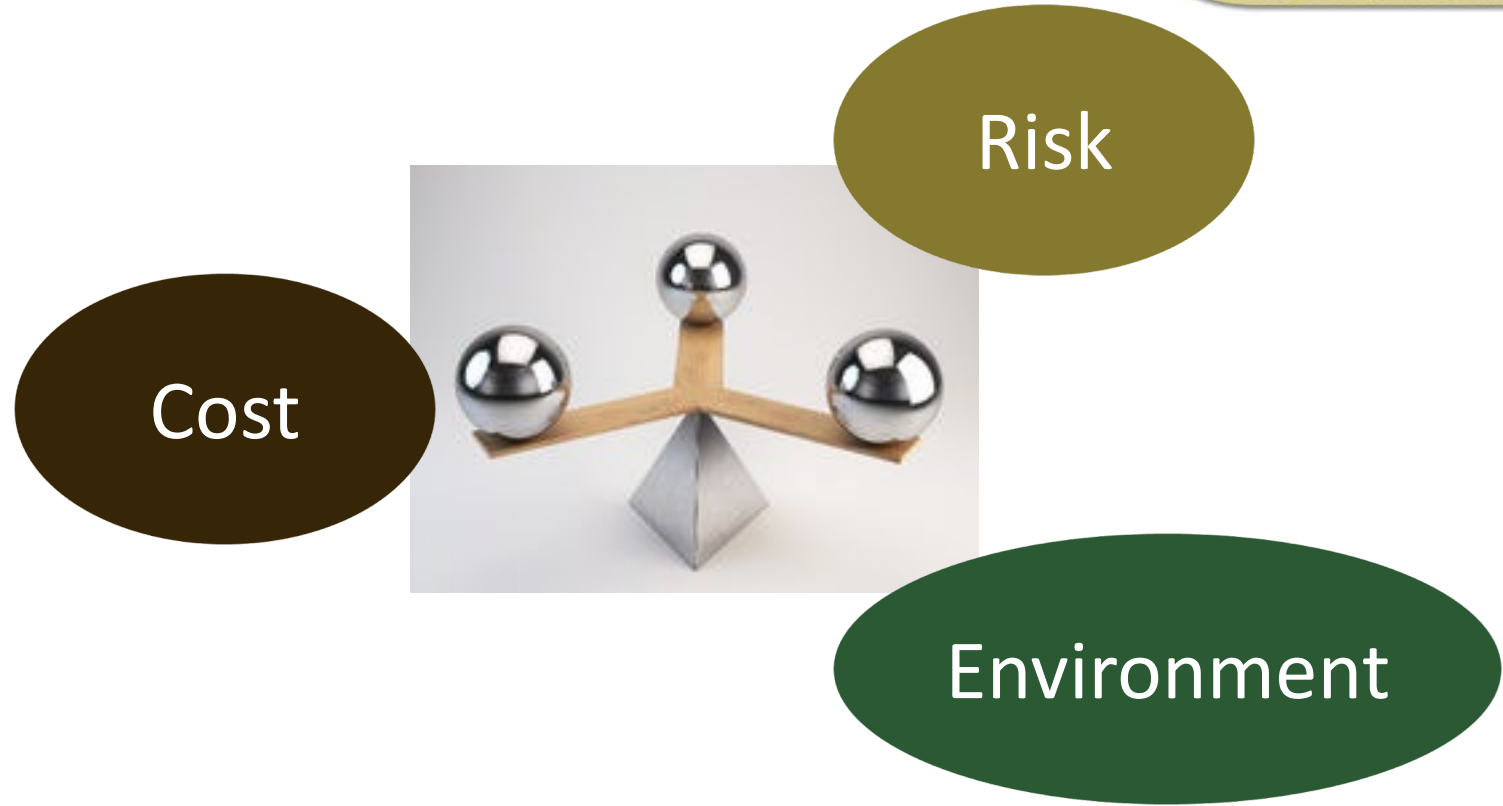
Process



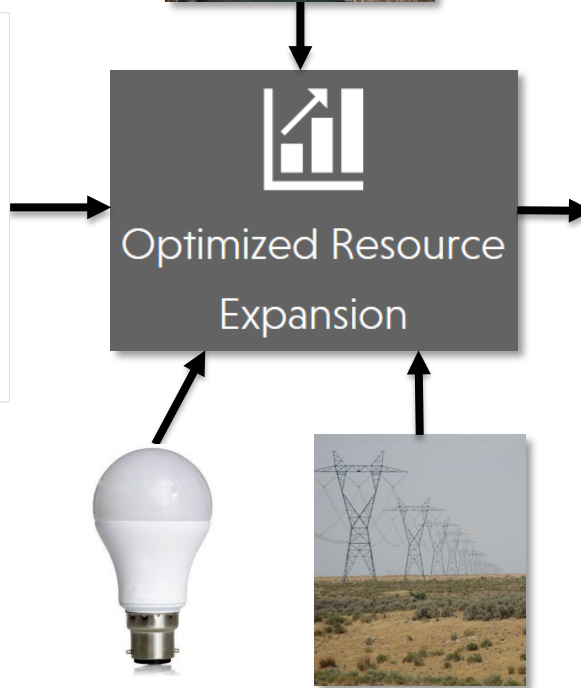
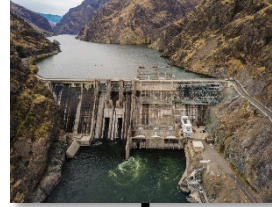
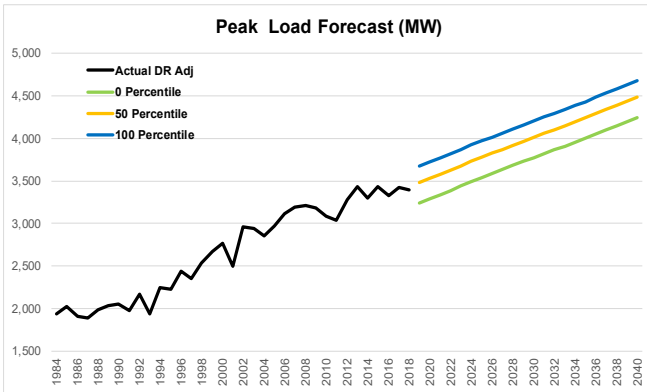
Process - Balance



Process - Balance



2021 Integrated Resource Plan

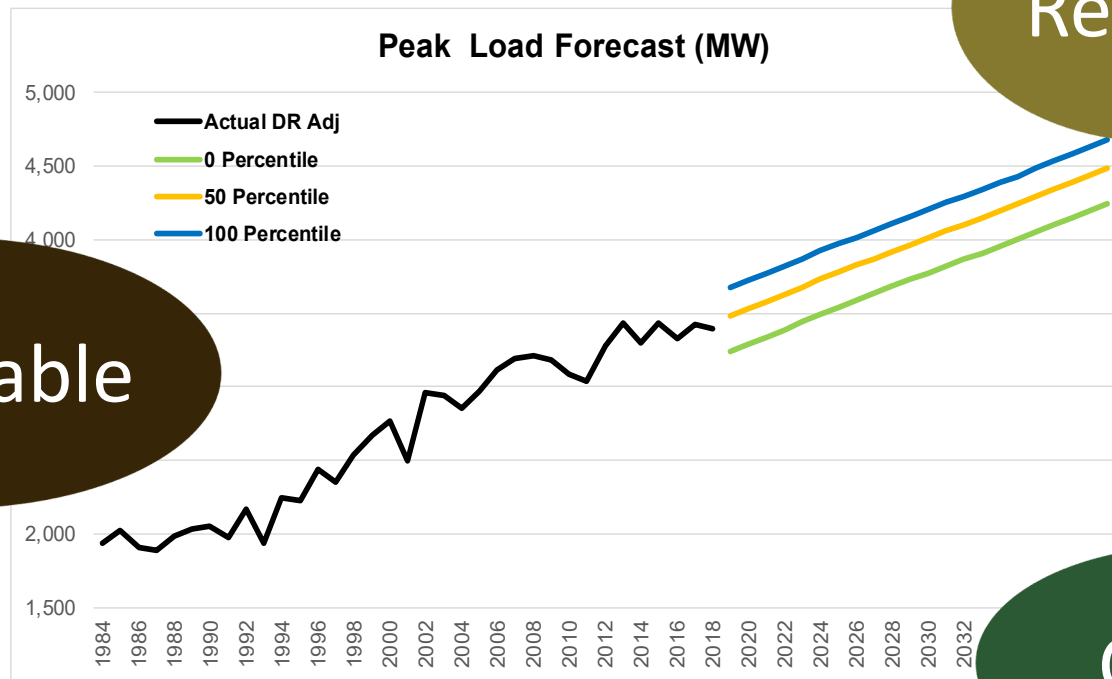


Base B2H (MW)									
Year	Gas	Wind	Solar	Storage	Trans.	DR	Coal Exits	EE Forecast	EE Bundles
2021	0	0	0	0	0	0	0	23	0
2022	0	0	0	0	0	300	0	24	0
2023	0	0	120	115	0	20	-357	24	0
2024	357	700	0	5	0	0	0	25	0
2025	0	0	300	105	0	20	-308	27	0
2026	0	0	215	0	500	0	0	28	0
2027	0	0	250	5	0	0	0	27	0
2028	0	0	120	55	0	0	-175	27	0
2029	0	0	100	255	0	0	0	26	0
2030	0	0	0	55	0	0	0	24	0
2031	0	0	0	55	0	0	0	24	0
2032	0	0	0	55	0	0	0	23	0
2033	0	0	0	100	0	0	0	22	0
2034	-357	0	100	150	0	0	0	21	0
2035	0	0	100	305	0	0	0	20	0
2036	0	0	0	55	0	0	0	16	0
2037	0	0	0	105	0	0	0	14	0
2038	0	0	100	155	0	20	0	12	0
2039	0	0	0	55	0	20	0	11	3
2040	0	0	0	55	0	20	0	10	9
Subtotal	0	700	1,405	1,685	500	400	-841	428	12
Total	4,289								

Process - Involving the Public



Goals



Reliable

Affordable

Clean

Scope

In Scope

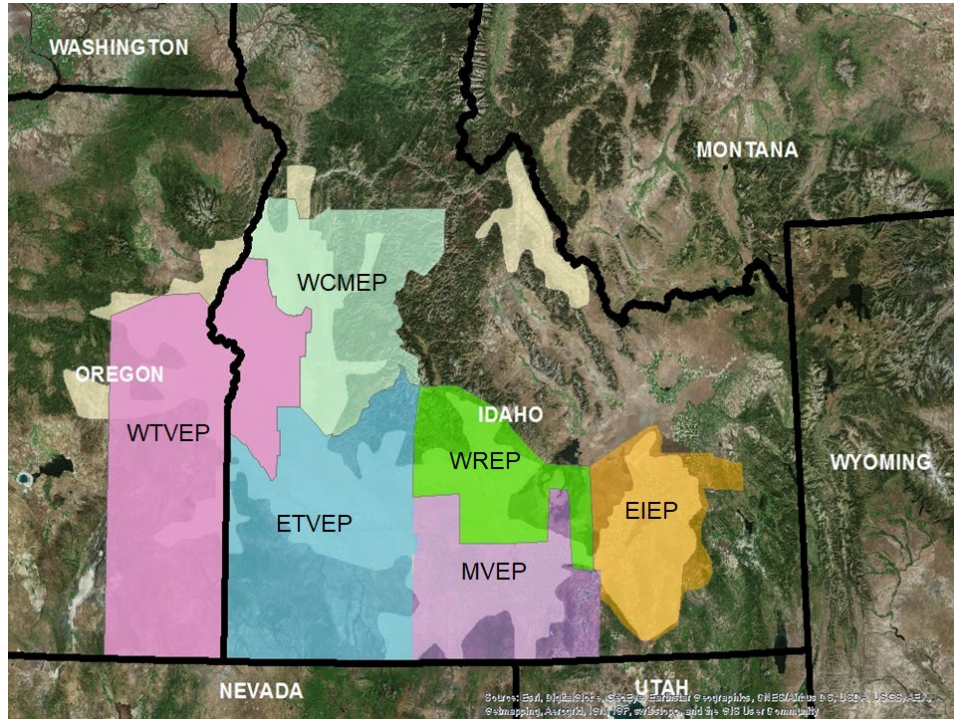
- Natural gas price forecasts
- Load forecast
- Future resources
 - Flexible (natural gas, nuclear, hydrogen)
 - Variable (solar, wind)
 - Transmission
- Storage
- Carbon costs
- Coal exits
- Energy Efficiency modeling
- Demand Response

Out of Scope

- Energy Efficiency measures
- Local electrical infrastructure
- Customer Payment Options / Programs

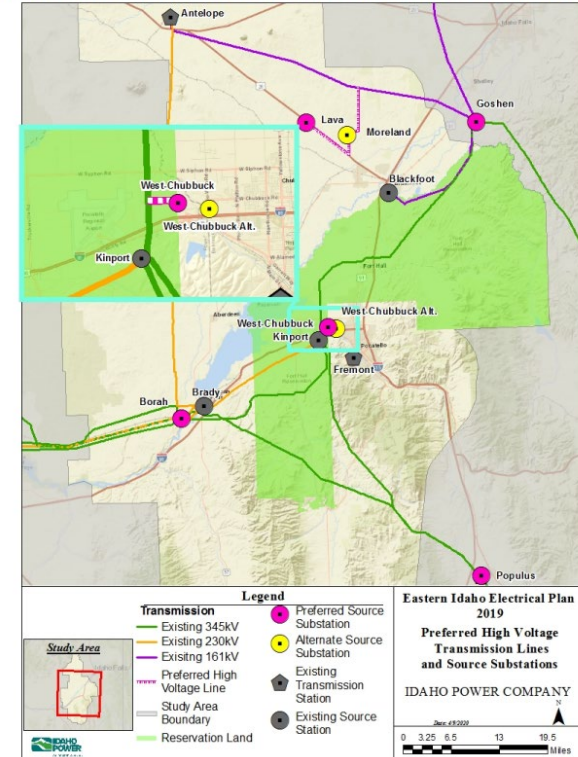
Other Efforts at Idaho Power:

Regional Electrical Plans



MAPPING RESULTS

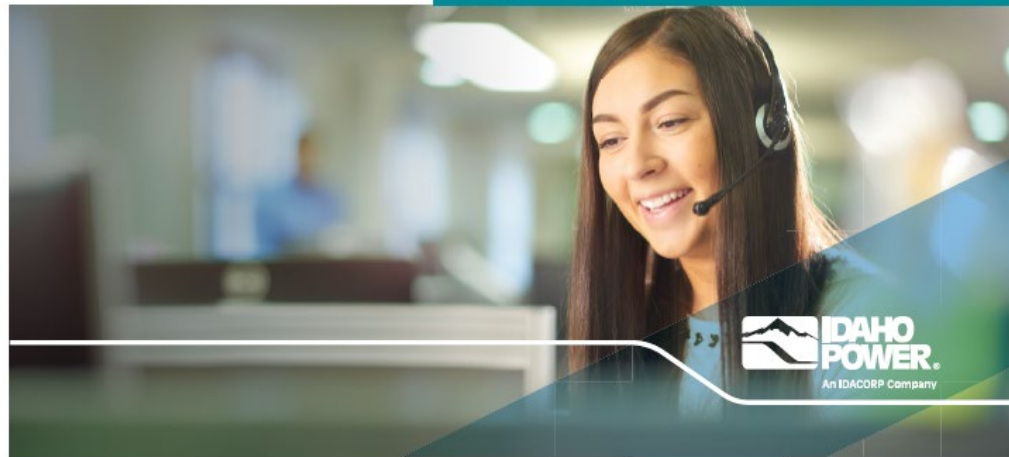
High Voltage Transmission Lines and Source Substations



Bill Assistance and Payment Options

- Payment Arrangements
- Energy Assistance
- Project Share
- Winter Protection Program
- Winter Pay Program

Do you need some **HELP**
paying your power bill?



Whether it's partnering with you to make a payment plan or connecting you with energy-assistance agencies, **we can help.**