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IDAHO PUBLIC
UTILITIES COMMISSION

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February 4, 2022

VIA ELECTRONIC MAIL

Jan Noriyuki, Secretary
Idaho Public Utilities Commission
11331 West Chinden Blvd., Building 8
Suite 201-A
Boise, Idaho 83714

Re: Case No. IPC-E-21-09
Idaho Power Company's Application for Capacity Deficiency To Be Utilized
For Avoided Cost Calculations

Dear Ms. Noriyuki:

Attached for electronic filing is Idaho Power Company's Motion and Amended Application in the above entitled matter. If you have any questions about the attached document, please do not hesitate to contact me.

Very truly yours,

Donovan E. Walker

DEW:cld
Enclosures

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Attorney for Idaho Power Company

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF IDAHO POWER)	
COMPANY'S APPLICATION FOR)	CASE NO. IPC-E-21-09
APPROVAL OF THE CAPACITY)	
DEFICIENCY TO BE UTILIZED FOR)	IDAHO POWER COMPANY'S
AVOIDED COST CALCULATIONS)	MOTION AND AMENDED
)	APPLICATION
)	

I. MOTION

Idaho Power Company ("Idaho Power" or "Company"), in accordance with RP 56 and 256 hereby respectfully moves the Idaho Public Utility Commission ("IPUC" or "Commission") for leave to file an Amended Application in this matter. This matter was fully submitted to the Commission for its deliberation on October 12, 2021, however, a final order has not yet been issued. Because the record is currently closed, and because the facts and circumstances, and timing, of the first capacity deficit to be used for avoided cost pricing have substantially changed during the pendency of this case, Idaho Power respectfully requests leave of the Commission to Amend the Application, and initiate additional proceeding to consider Idaho Power's proposed amended first capacity deficit of July 2023. Idaho Power respectfully submits herewith its Amended Application, which seeks to implement a first capacity deficit of July 2023.

II. BACKGROUND

The original Application in this matter, Case No. IPC-E-21-09, was filed by Idaho Power on April 9, 2021. The Application was made after the Commission's acknowledgment of the Company's Second Amended 2019 Integrated Resource Plan ("IRP"), and pursuant to Order No. 34649, Case No. IPC-E-19-20.¹ The Industrial Customers of Idaho Power ("ICIP") and the Idaho Hydroelectric Power Producers Trust ("IdaHydro") were granted intervention on June 23, 2021. Order No. 35084. Commission Staff ("Staff") and IdaHydro filed Comments on July 21, 2021. ICIP did not file Comments. Idaho Power filed Reply Comments on July 28, 2021, agreeing and accepting Staff's recommended changes and adjustments to the capacity deficiency determination. The Case appeared as a "fully submitted" matter on the Commission's October 12, 2021, Decision Meeting, where the Commission determined that the matter was fully submitted and would be deliberated privately.²

IdaHydro requested in its July 21, 2021, Comments, "that the capacity deficiency date for PURPA QF avoided costs be set at a mid-summer month in 2023." IdaHydro Comments, p 2. IdaHydro refers to the Company's Notice of Intent to seek requests for proposals that references a capacity need identified as early as Summer 2023 and asks the Commission to establish the same for PURPA avoided costs. *Id.*, at p 1-2.

Staff issued several discovery requests and filed Comments recommending that the Company update the first capacity deficit from that contained in the acknowledged

¹ Order No. 34649 dismissed Idaho Power's previously filed Application for approval of the capacity deficiency to be utilized for avoided cost calculations that was made at the time of filing of the 2019 IRP and directed the Company to make the filing after Commission acknowledgment of the IRP.

² Idaho Public Utilities Commission Minutes of Decision Meeting, October 12, 2021, 1:30 p.m. <https://puc.idaho.gov/Fileroom/PublicFiles/Agenda?2021?20211013MIN.pdf>

Second Amended 2019 IRP, which was that contained in the Company's Application, by incorporating several updates and changes. Staff Comments, p 1-2, 10. Staff also recommended that the Commission open a generic docket to determine the timing of the deficiency date filing in relation to the timing of the IRP, "i.e., after the filing of an IRP, after the acknowledgment of an IRP, or at other times." *Id.* at p 10.

In its Reply Comments Idaho Power acknowledged, "an apparent difference between the first capacity deficit that appears in the acknowledged 2019 Amended IRP (2028) and that which is referenced in the Company's Notice of Intent to seek requests for proposals and the Request for Proposals itself seeking generation to meet an identified capacity deficit in 2023." Idaho Power Reply Comments p 2. Idaho Power noted that, as Staff discussed in its Comments, this difference is due to several factors including differences in timing, changed circumstances, and differing methodological approaches between the 2019 and 2021 IRPs. Also, as noted by Staff, the unusually long delay in the processing of the 2019 IRP, combined with the change in timing of the filing of the capacity determination for avoided costs from the time of filing of the IRP to the time of acknowledgment of the IRP caused an unusually large overlap in timing between the 2019 and 2021 IRP cycles, and a longer period of time over which circumstances changed. Idaho Power Reply Comments p 2-3.

Idaho Power agreed with and accepted Staff's recommended changes and adjustments to the capacity deficiency date which are as follows:

- Utilize the most recent load forecast developed by the Company;
- Reduce the amount of Market Purchases from southern pathways by 310 MW and only include 50 MW starting in 2021;
- Allow non-PUPRA PPAs to expire on their actual expiration

dates;

- Reflect contract changes since the preparation of the L&R, which include PURPA contract updates identified in Response to Staff's Production Request No. 7 and approval of the Jackpot Solar contract; and
- Correct the capacity value of Valmy Unit 2 and Bridger.

Staff Comments, p 10. Idaho Power also expressed its preference that future capacity deficiency filings for PURPA avoided cost rates should revert back to the originally directed timing, to be made at the time the IRP is filed. Idaho Power Reply Comments p 4-5.

III. AMENDED APPLICATION

The Second Amended 2019 IRP, acknowledged by the Commission on March 16, 2021, indicates a first capacity deficit of 2028 which is reflected in the original Application for this matter, filed on April 9, 2021. However, on December 3, 2021, Idaho Power filed an Application for Authority to Proceed with Resource Procurements, which discusses a rapid shift in Idaho Power's capacity deficiency position starting in May 2021. Case No. IPC-E-21-41, Application, p 2-3, 5-12. Additionally, on December 30, 2021, Idaho Power filed its 2021 IRP. Case No. IPC-E-21-43. The 2021 IRP uses the most up-to-date resource and load inputs and indicates a first capacity deficit of approximately 101 MW starting in July 2023. 2019 IRP, p 170. The first capacity deficit identified in the 2021 IRP of July 2023 is consistent with that discussed in Case No. IPC-E-21-41, as well as the Requests for Proposals ("RFP") initiated by the Company seeking additional supply-side resources to meet the identified capacity deficits in 2023, 2024, and 2025.

Idaho Power proposes that, based upon the changed circumstances that have taken place with regard to the date of the first capacity deficit, the Commission allow the Company to Amend its Application to seek a first capacity deficit of July 2023, based upon

the 2021 IRP and consistent with the RFPs issued to meet deficits starting in 2023. The 2019 IRP was amended twice, and the Commission's consideration and eventual acknowledgement of the Second Amended 2019 IRP was considerably delayed. This, combined with the 2019 IRP being the first avoided cost first deficit update where the Commission changed the filing requirement from the time at which the IRP is *filed* to the time after which the IRP is *acknowledged*, resulted in a substantial delay in the consideration and setting of the first capacity deficit for avoided costs pricing.

Attachment 1 hereto, incorporated herein by this reference, is the Load and Resource Balance Data from the 2021 IRP. Attachment 1 shows the previously referenced capacity deficits of 101 MW in July of 2023, 186 MW in July of 2024, and 311 MW in July of 2025. 2019 IRP, p 170.³ Idaho Power requests that the first capacity deficit of July 2023 be utilized for avoided cost calculations for both the SAR and IRP methodologies. In addition, Idaho Power respectfully reiterates its previous position, and respectfully requests that the Commission direct that future capacity deficiency filings for PURPA avoided cost rates be made at the time the IRP is filed, as they have been in the past, rather than at the time the IRP is acknowledged. However, regardless of the Commission's position and determination as to the timing of future filings, Idaho Power believes good cause exists in this particular instance to grant Idaho Power's Motion for leave to amend its Application, and respectfully requests that the first capacity deficit of July 2023 be utilized for both SAR and IRP PURPA avoided cost methodologies.

³ The Load and Resource Balance Data from the 2021 IRP (Attachment 1) also shows deficits occurring in July 2021 and July 2022. However, despite these earlier deficits in the Load and Resource Data the IRP does not add any new resources until 2023, so that is the basis of the first capacity deficit by which resources need to be acquired and should align with the basis for initiating capacity payments to PURPA QFs.

IV. MODIFIED PROCEDURE

Idaho Power believes that a hearing is not necessary to consider the issues presented herein and respectfully requests that this Amended Application be processed under Modified Procedure, i.e., by written submissions rather than by hearing. RP 201 *et seq.* If, however, the Commission determines that a technical hearing is required, the Company stands ready to prepare and present its testimony in such hearing.

V. COMMUNICATIONS AND SERVICE OF PLEADINGS

Communications and service of pleadings with reference to this Application should be sent to the following:

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VI. REQUEST FOR RELIEF

Idaho Power respectfully requests that the Commission issue an order granting the Company's Motion for leave to amend its Application, and issue Notice of Modified Procedure for Idaho Power's Amended Application.

Respectfully submitted this 4th day of February 2022.



DONOVAN E. WALKER
Attorney for Idaho Power Company

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on the 4th day of February 2022 I served a true and correct copy of the within and foregoing Idaho Power's Motion and Amended Application upon the following named parties by the method indicated below, and addressed to the following:

Dayn Hardie
Deputy Attorney General
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Christy Davenport, Legal Assistant

**BEFORE THE
IDAHO PUBLIC UTILITIES COMMISSION**

CASE NO. IPC-E-21-09

IDAHO POWER COMPANY

ATTACHMENT 1

LOAD AND RESOURCE BALANCE DATA

	1/2021	2/2021	3/2021	4/2021	5/2021	6/2021	7/2021	8/2021	9/2021	10/2021	11/2021	12/2021
Peak-Hour (50th+15.5%) w/EE	(2,693)	(2,339)	(2,172)	(2,064)	(2,757)	(3,938)	(4,161)	(3,899)	(3,259)	(2,453)	(2,525)	(2,733)
Existing Demand Response Capacity	-	-	-	-	-	66	66	58	-	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(2,693)	(2,339)	(2,172)	(2,064)	(2,757)	(3,873)	(4,096)	(3,840)	(3,259)	(2,453)	(2,525)	(2,733)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	121	121	121	121	121	121	121	121	121	121	121	121
Total Coal	784	784	784	784	784	784	784	784	784	784	784	784
Langley Gulch	288	282	279	279	276	270	270	270	273	276	282	288
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	717	708	689	680	672	640	636	637	671	691	706	725
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	356	366	285	431	458	434	295	254	244	218	200	378
Total Hydroelectric (50%)	1,368	1,378	1,346	1,492	1,615	1,591	1,355	1,266	1,159	1,086	875	1,342
Solar CSPP (PURPA)	-	-	99	99	99	197	197	197	99	99	99	-
Wind CSPP Capacity	94	94	94	94	94	93	93	93	94	94	94	94
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	125	133	239	276	314	424	420	412	296	260	227	126
Elkhorn	15	15	15	15	15	15	15	15	15	15	15	15
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	-	-	-	-	-	-	-	-	-	-
Clatskanie Exchange	-	-	-	-	-	14	11	2	-	-	-	-
Total PPAs	50	50	48	46	38	52	42	38	41	46	51	52
Available Transmission w/3 rd Party Secured	50	50	50	50	150	200	200	200	200	200	150	150
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,424	3,434	3,486	3,657	3,904	4,021	3,767	3,667	3,481	3,397	3,123	3,510
Monthly Surplus/Deficit	731	1,095	1,314	1,594	1,147	148	(329)	(173)	222	944	598	776
2021 IRP Resources												
New Transmission—B2H	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 4 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Storage)	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—WY Wind	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—ID Wind	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	-	-	-	-	-	-	-	-	-	-	-	-
New Resource Subtotal	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Surplus/Deficit	731	1,095	1,314	1,594	1,147	148	(329)	(173)	222	944	598	776
Planning Margin	46.8%	69.6%	85.4%	104.7%	63.6%	19.9%	6.4%	10.4%	23.4%	59.9%	42.9%	48.3%

	1/2022	2/2022	3/2022	4/2022	5/2022	6/2022	7/2022	8/2022	9/2022	10/2022	11/2022	12/2022
Peak-Hour (50th+15.5%) w/EE	(2,771)	(2,531)	(2,352)	(2,188)	(2,899)	(3,973)	(4,226)	(3,927)	(3,291)	(2,473)	(2,555)	(2,762)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(2,771)	(2,531)	(2,352)	(2,188)	(2,899)	(3,798)	(4,050)	(3,800)	(3,188)	(2,473)	(2,555)	(2,762)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	121	121	121	121	121	121	121	121	121	121	121	121
Total Coal	784	784	784	784	784	784	784	784	784	784	784	784
Langley Gulch	288	282	279	279	276	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	717	708	689	680	672	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	356	366	286	431	461	437	295	254	244	218	200	379
Total Hydroelectric (50%)	1,368	1,378	1,346	1,492	1,618	1,594	1,355	1,266	1,159	1,086	875	1,343
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	94	94	94	94	94	93	93	93	94	94	94	94
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	125	133	240	276	316	425	422	414	297	261	228	126
Elkhorn	15	15	15	15	15	15	15	15	15	15	15	15
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	-	-	-	-	-	-	-	-	-	-
Clatskanie Exchange	-	-	-	-	-	14	11	2	-	-	-	-
Total PPAs	50	50	48	46	38	52	42	38	41	46	51	52
Available Transmission w/3rd Party Secured	150	150	150	150	250	300	300	300	300	300	250	209
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,524	3,534	3,588	3,758	4,008	4,161	3,904	3,804	3,618	3,533	3,259	3,605
Monthly Surplus/Deficit	753	1,003	1,236	1,570	1,109	364	(146)	4	430	1,060	705	843
2021 IRP Resources												
New Transmission—B2H	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 4 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Storage)	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—WY Wind	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—ID Wind	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	-	-	-	-	-	-	-	-	-	-	-	-
New Resource Subtotal	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Surplus/Deficit	753	1,003	1,236	1,570	1,109	364	(146)	4	430	1,060	705	843
Planning Margin	46.9%	61.3%	76.2%	98.4%	59.7%	26.1%	11.5%	15.6%	30.6%	65.0%	47.4%	50.8%

Load and Resource Balance Data

	1/2023	2/2023	3/2023	4/2023	5/2023	6/2023	7/2023	8/2023	9/2023	10/2023	11/2023	12/2023
Peak-Hour (50th+15.5%) w/EE	(2,818)	(2,579)	(2,390)	(2,234)	(2,956)	(4,146)	(4,301)	(4,045)	(3,348)	(2,509)	(2,585)	(2,843)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(2,818)	(2,579)	(2,390)	(2,234)	(2,956)	(3,971)	(4,126)	(3,917)	(3,245)	(2,509)	(2,585)	(2,843)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	121	121	121	121	121	121	121	121	121	121	121	121
Total Coal	784	784	784	784	784	784	784	784	784	784	784	784
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	356	366	287	431	464	443	295	254	244	218	200	381
Total Hydroelectric (50%)	1,368	1,378	1,347	1,492	1,621	1,599	1,355	1,266	1,159	1,086	875	1,345
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	94	94	94	94	94	93	93	93	94	94	94	94
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	125	133	240	276	316	425	422	414	297	261	228	126
Elkhorn	15	15	15	15	15	15	15	15	15	15	15	15
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	14	11	2	-	-	-	-
Total PPAs	50	50	68	66	58	92	82	78	61	66	71	52
Available Transmission w/3rd Party Secured	239	295	330	330	271	380	380	380	380	380	275	206
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,648	3,714	3,825	3,994	4,088	4,287	4,025	3,925	3,718	3,634	3,305	3,605
Monthly Surplus/Deficit	830	1,135	1,435	1,760	1,132	316	(101)	8	473	1,125	720	762
2021 IRP Resources												
New Transmission—B2H	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	7	7	5	4	-	-	-
New Resource—Battery: 4 hour	50	50	50	101	101	101	101	101	50	50	50	50
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Storage)	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—WY Wind	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—ID Wind	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	-	-	-	-	-	-	-	-	-	-	-	-
New Resource Subtotal	50	50	50	50	101	108	108	106	105	50	50	50
Monthly Surplus/Deficit	881	1,185	1,485	1,810	1,232	424	7	114	578	1,175	770	812
Planning Margin	51.6%	68.6%	87.2%	109.1%	63.6%	27.3%	15.7%	18.7%	35.4%	69.6%	49.9%	48.5%

	1/2024	2/2024	3/2024	4/2024	5/2024	6/2024	7/2024	8/2024	9/2024	10/2024	11/2024	12/2024
Peak-Hour (50th+15.5%) w/EE	(2,893)	(2,630)	(2,444)	(2,271)	(3,033)	(4,192)	(4,385)	(4,152)	(3,433)	(2,576)	(2,664)	(2,902)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(2,893)	(2,630)	(2,444)	(2,271)	(3,033)	(4,017)	(4,210)	(4,025)	(3,330)	(2,576)	(2,664)	(2,902)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	121	121	121	121	121	121	121	121	121	121	121	121
Total Coal	784	784	784	784	784	784	784	784	784	784	784	784
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	357	366	289	432	466	446	295	253	244	218	200	383
Total Hydroelectric (50%)	1,369	1,379	1,349	1,492	1,623	1,603	1,355	1,266	1,159	1,085	875	1,347
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	94	94	94	94	94	93	93	93	94	94	94	94
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	125	133	240	276	316	425	422	414	297	261	228	126
Elkhorn	15	15	15	15	15	15	15	15	15	15	15	15
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	14	11	2	-	-	-	-
Total PPAs	50	50	68	66	58	92	82	78	61	66	71	52
Available Transmission w/3rd Party Secured	237	294	330	330	269	380	379	380	380	380	273	205
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,647	3,714	3,826	3,994	4,088	4,290	4,023	3,925	3,718	3,633	3,303	3,604
Monthly Surplus/Deficit	754	1,083	1,382	1,723	1,056	274	(186)	(100)	388	1,058	639	702
2021 IRP Resources												
New Transmission—B2H	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	7	7	5	4	-	-	-
New Resource—Battery: 4 hour	53	53	53	53	105	105	105	105	105	53	53	53
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Storage)	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar	-	-	-	-	-	-	-	-	-	10	10	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	334	334	334	334	334	334	334
Early Bridger Coal Exits	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)
New Resource Subtotal	(204)	(204)	(204)	(204)	(151)	190	190	188	187	141	141	131
Monthly Surplus/Deficit	550	879	1,178	1,520	904	464	4	88	575	1,198	779	833
Planning Margin	37.5%	54.1%	71.2%	92.8%	49.9%	28.3%	15.6%	18.0%	34.8%	69.2%	49.3%	48.6%

Load and Resource Balance Data

	1/2025	2/2025	3/2025	4/2025	5/2025	6/2025	7/2025	8/2025	9/2025	10/2025	11/2025	12/2025
Peak-Hour (50th+15.5%) w/EE	(2,962)	(2,727)	(2,512)	(2,339)	(3,118)	(4,316)	(4,508)	(4,263)	(3,551)	(2,669)	(2,768)	(2,986)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(2,962)	(2,727)	(2,512)	(2,339)	(3,118)	(4,140)	(4,332)	(4,135)	(3,448)	(2,669)	(2,768)	(2,986)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	121	121	121	121	121	121	121	121	121	121	121	121
Total Coal	784	784	784	784	784	784	784	784	784	784	784	784
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	356	366	288	431	466	445	295	253	243	218	200	382
Total Hydroelectric (50%)	1,369	1,378	1,349	1,492	1,623	1,602	1,355	1,266	1,159	1,085	875	1,346
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	94	94	94	94	94	93	93	93	94	93	93	93
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	125	133	240	276	316	425	422	414	297	259	227	125
Elkhorn	15	15	15	15	15	15	15	15	15	15	15	15
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	14	11	2	-	-	-	-
Total PPAs	50	50	68	66	58	92	82	78	61	66	71	52
Available Transmission w/3rd Party Secured	235	290	330	330	268	380	377	380	380	379	271	203
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,645	3,710	3,826	3,994	4,086	4,289	4,021	3,925	3,718	3,631	3,300	3,601
Monthly Surplus/Deficit	683	983	1,314	1,654	968	149	(311)	(211)	269	962	531	614
2021 IRP Resources												
New Transmission—B2H	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	55	55	55	55	109	109	109	109	109	55	55	55
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	5	5	5	10	10	10	5	5	5	-
New Resource—Solar + Storage 1:1 (Storage)	43	43	43	43	87	87	87	87	87	43	43	43
New Resource—Solar	-	-	10	10	10	20	20	20	10	10	10	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)	(334)
New Resource Subtotal	176	176	191	191	290	319	319	315	298	191	191	176
Monthly Surplus/Deficit	859	1,160	1,505	1,846	1,258	468	8	105	567	1,154	723	791
Planning Margin	49.0%	64.6%	84.7%	106.6%	62.1%	28.0%	15.7%	18.3%	34.0%	65.4%	45.7%	46.1%

	1/2026	2/2026	3/2026	4/2026	5/2026	6/2026	7/2026	8/2026	9/2026	10/2026	11/2026	12/2026
Peak-Hour (50th+15.5%) w/EE	(3,065)	(2,829)	(2,598)	(2,423)	(3,186)	(4,415)	(4,620)	(4,358)	(3,636)	(2,765)	(2,822)	(3,092)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,065)	(2,829)	(2,598)	(2,423)	(3,186)	(4,239)	(4,445)	(4,231)	(3,533)	(2,765)	(2,822)	(3,092)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	356	365	288	431	465	445	294	253	243	218	200	380
Total Hydroelectric (50%)	1,368	1,378	1,348	1,491	1,622	1,601	1,355	1,265	1,159	1,085	875	1,344
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	93	93	92	92	92	91	91	91	92	92	92	92
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	124	132	238	274	313	423	420	412	295	258	226	124
Elkhorn	15	15	15	15	15	15	15	15	15	15	15	15
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	50	50	68	66	58	78	71	76	61	66	71	52
Available Transmission w/3rd Party Secured	233	289	330	330	266	380	375	380	380	277	170	102
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,520	3,585	3,702	3,870	3,961	4,152	3,885	3,799	3,594	3,407	3,076	3,375
Monthly Surplus/Deficit	455	756	1,105	1,447	775	(88)	(560)	(432)	61	642	253	283
2021 IRP Resources												
New Transmission—B2H	-	-	-	-	-	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	55	55	55	55	109	109	109	109	109	55	55	55
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	5	5	5	10	10	10	5	5	5	-
New Resource—Solar + Storage 1:1 (Storage)	43	43	43	43	87	87	87	87	87	43	43	43
New Resource—Solar	-	-	21	21	21	42	42	42	21	21	27	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)
New Resource Subtotal	13	13	39	39	138	678	678	674	646	439	445	413
Monthly Surplus/Deficit	468	769	1,144	1,486	912	591	118	242	707	1,081	699	696
Planning Margin	33.1%	46.9%	66.4%	86.4%	48.6%	30.9%	18.5%	21.9%	37.9%	60.7%	44.1%	41.5%

Load and Resource Balance Data

	1/2027	2/2027	3/2027	4/2027	5/2027	6/2027	7/2027	8/2027	9/2027	10/2027	11/2027	12/2027
Peak-Hour (50th+15.5%) w/EE	(3,157)	(2,890)	(2,682)	(2,505)	(3,294)	(4,527)	(4,724)	(4,506)	(3,725)	(2,825)	(2,907)	(3,166)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,157)	(2,890)	(2,682)	(2,505)	(3,294)	(4,351)	(4,548)	(4,379)	(3,622)	(2,825)	(2,907)	(3,166)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	355	364	287	431	465	443	294	253	243	218	200	377
Total Hydroelectric (50%)	1,367	1,376	1,347	1,491	1,621	1,600	1,355	1,265	1,159	1,085	874	1,341
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	92	92	92	92	92	91	91	91	92	92	92	92
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	123	131	238	274	313	423	420	412	295	258	226	124
Elkhorn	15	15	15	15	15	15	15	15	15	15	15	15
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	50	50	68	66	58	78	71	76	61	66	71	52
Available Transmission w/3rd Party Secured	132	187	250	258	165	380	374	380	380	276	169	101
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,416	3,481	3,621	3,798	3,858	4,150	3,883	3,799	3,594	3,406	3,074	3,371
Monthly Surplus/Deficit	259	591	939	1,293	565	(201)	(665)	(580)	(28)	581	167	205
2021 IRP Resources												
New Transmission—B2H	400	400	400	699	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	57	57	57	57	114	114	114	114	114	57	57	57
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	5	5	5	10	10	10	5	5	5	-
New Resource—Solar + Storage 1:1 (Storage)	43	43	43	43	87	87	87	87	87	43	43	43
New Resource—Solar	-	-	27	27	27	68	68	68	34	34	34	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)
New Resource Subtotal	415	415	447	746	848	708	708	704	663	454	454	415
Monthly Surplus/Deficit	675	1,006	1,386	2,039	1,413	507	44	124	635	1,035	622	621
Planning Margin	40.2%	55.7%	75.2%	109.5%	65.0%	28.4%	16.6%	18.7%	35.2%	57.8%	40.2%	38.1%

	1/2028	2/2028	3/2028	4/2028	5/2028	6/2028	7/2028	8/2028	9/2028	10/2028	11/2028	12/2028
Peak-Hour (50th+15.5%) w/EE	(3,254)	(2,974)	(2,761)	(2,576)	(3,337)	(4,626)	(4,816)	(4,568)	(3,784)	(2,871)	(2,946)	(3,205)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,254)	(2,974)	(2,761)	(2,576)	(3,337)	(4,451)	(4,640)	(4,440)	(3,681)	(2,871)	(2,946)	(3,205)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	353	362	285	430	463	442	294	253	243	217	199	374
Total Hydroelectric (50%)	1,366	1,374	1,345	1,490	1,620	1,598	1,354	1,265	1,159	1,085	874	1,338
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	92	92	92	92	92	91	91	91	92	92	92	92
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	123	131	238	274	313	423	420	412	295	258	226	124
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	35	35	53	51	43	63	56	61	46	51	56	37
Available Transmission w/3rd Party Secured	131	188	249	258	164	380	373	380	380	276	168	100
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,399	3,465	3,603	3,782	3,841	4,134	3,867	3,784	3,579	3,390	3,059	3,353
Monthly Surplus/Deficit	145	491	842	1,206	504	(317)	(773)	(657)	(102)	519	113	148
2021 IRP Resources												
New Transmission—B2H	400	400	400	695	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	81	81	81	81	162	162	162	162	162	81	81	81
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	5	5	5	10	10	10	5	5	5	-
New Resource—Solar + Storage 1:1 (Storage)	43	43	43	43	87	87	87	87	87	43	43	43
New Resource—Solar	-	-	34	34	34	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)	(497)
New Resource Subtotal	439	439	478	774	903	768	768	764	717	485	485	439
Monthly Surplus/Deficit	584	930	1,320	1,980	1,406	451	(4)	108	615	1,004	597	587
Planning Margin	36.2%	51.6%	70.7%	104.3%	64.2%	26.8%	15.4%	18.2%	34.3%	55.9%	38.9%	36.7%

Load and Resource Balance Data

	1/2029	2/2029	3/2029	4/2029	5/2029	6/2029	7/2029	8/2029	9/2029	10/2029	11/2029	12/2029
Peak-Hour (50th+15.5%) w/EE	(3,292)	(3,000)	(2,779)	(2,584)	(3,352)	(4,681)	(4,859)	(4,621)	(3,807)	(2,881)	(2,956)	(3,225)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,292)	(3,000)	(2,779)	(2,584)	(3,352)	(4,505)	(4,684)	(4,493)	(3,704)	(2,881)	(2,956)	(3,225)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	352	361	283	429	459	441	294	253	243	217	199	371
Total Hydroelectric (50%)	1,365	1,373	1,344	1,490	1,616	1,598	1,354	1,265	1,158	1,085	874	1,335
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	87	87	87	86	86	85	85	85	86	86	86	86
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	118	127	233	268	308	418	414	406	289	252	220	118
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	35	35	53	51	43	63	56	61	46	51	56	37
Available Transmission w/3rd Party Secured	130	185	249	257	163	380	372	380	380	275	167	99
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,393	3,456	3,597	3,774	3,830	4,127	3,861	3,778	3,572	3,383	3,052	3,343
Monthly Surplus/Deficit	101	457	818	1,190	479	(378)	(823)	(716)	(131)	503	96	118
2021 IRP Resources												
New Transmission—B2H	400	400	400	692	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	149	149	149	149	298	298	298	298	298	149	149	149
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	10	10	10	20	20	20	10	10	10	-
New Resource—Solar + Storage 1:1 (Storage)	87	87	87	87	174	174	174	174	174	87	87	87
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	385	385	435	727	971	835	835	831	779	435	435	385
Monthly Surplus/Deficit	486	842	1,253	1,917	1,449	457	12	116	648	938	531	503
Planning Margin	32.6%	47.9%	67.6%	101.2%	65.5%	26.8%	15.8%	18.4%	35.2%	53.1%	36.3%	33.5%

	1/2030	2/2030	3/2030	4/2030	5/2030	6/2030	7/2030	8/2030	9/2030	10/2030	11/2030	12/2030
Peak-Hour (50th+15.5%) w/EE	(3,316)	(3,018)	(2,790)	(2,594)	(3,368)	(4,722)	(4,904)	(4,669)	(3,832)	(2,892)	(2,968)	(3,238)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,316)	(3,018)	(2,790)	(2,594)	(3,368)	(4,546)	(4,729)	(4,541)	(3,729)	(2,892)	(2,968)	(3,238)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	351	359	282	429	458	438	294	252	242	217	199	368
Total Hydroelectric (50%)	1,364	1,371	1,342	1,489	1,615	1,594	1,354	1,265	1,158	1,085	874	1,332
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	86	86	86	86	86	81	81	81	82	82	82	82
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	117	125	232	268	308	414	410	402	285	248	216	114
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	35	35	53	51	43	63	56	61	46	51	56	37
Available Transmission w/3rd Party Secured	130	185	248	256	162	380	371	380	380	274	166	99
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,390	3,453	3,593	3,773	3,829	4,120	3,856	3,774	3,568	3,379	3,046	3,335
Monthly Surplus/Deficit	73	435	803	1,180	461	(427)	(873)	(768)	(160)	486	79	97
2021 IRP Resources												
New Transmission—B2H	400	400	400	688	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	173	173	173	173	346	346	346	346	346	173	173	173
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	10	10	10	20	20	20	10	10	10	-
New Resource—Solar + Storage 1:1 (Storage)	87	87	87	87	174	174	174	174	174	87	87	87
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	409	409	459	748	1,019	883	883	879	827	459	459	409
Monthly Surplus/Deficit	482	844	1,262	1,927	1,480	457	10	111	667	945	538	506
Planning Margin	32.3%	47.8%	67.8%	101.3%	66.3%	26.7%	15.7%	18.3%	35.6%	53.2%	36.4%	33.5%

Load and Resource Balance Data

	1/2031	2/2031	3/2031	4/2031	5/2031	6/2031	7/2031	8/2031	9/2031	10/2031	11/2031	12/2031
Peak-Hour (50th+15.5%) w/EE	(3,342)	(3,035)	(2,803)	(2,599)	(3,377)	(4,780)	(4,944)	(4,721)	(3,849)	(2,898)	(2,974)	(3,260)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,342)	(3,035)	(2,803)	(2,599)	(3,377)	(4,604)	(4,769)	(4,594)	(3,746)	(2,898)	(2,974)	(3,260)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	349	360	281	428	457	436	294	252	242	217	199	364
Total Hydroelectric (50%)	1,362	1,372	1,342	1,489	1,614	1,592	1,354	1,265	1,158	1,084	873	1,328
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	75	63	63	63	61	60	60	60	61	61	58	58
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	105	103	210	246	283	393	389	381	264	228	193	90
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	35	35	53	51	43	63	56	61	46	51	56	37
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,376	3,430	3,569	3,750	3,802	4,097	3,833	3,753	3,547	3,357	3,022	3,307
Monthly Surplus/Deficit	34	395	767	1,150	425	(507)	(935)	(841)	(198)	459	48	47
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	197	197	197	197	394	394	394	394	394	197	197	197
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	10	10	10	20	20	20	10	10	10	-
New Resource—Solar + Storage 1:1 (Storage)	87	87	87	87	174	174	174	174	174	87	87	87
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	433	433	483	768	1,067	932	932	928	875	483	483	433
Monthly Surplus/Deficit	467	828	1,250	1,918	1,492	425	(4)	87	677	942	531	480
Planning Margin	31.6%	47.0%	67.0%	100.7%	66.5%	25.8%	15.4%	17.6%	35.8%	53.1%	36.1%	32.5%

	1/2032	2/2032	3/2032	4/2032	5/2032	6/2032	7/2032	8/2032	9/2032	10/2032	11/2032	12/2032
Peak-Hour (50th+15.5%) w/EE	(3,367)	(3,051)	(2,812)	(2,608)	(3,394)	(4,823)	(4,989)	(4,770)	(3,874)	(2,908)	(2,984)	(3,272)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,367)	(3,051)	(2,812)	(2,608)	(3,394)	(4,647)	(4,813)	(4,642)	(3,771)	(2,908)	(2,984)	(3,272)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	348	358	280	427	456	434	293	252	242	217	198	360
Total Hydroelectric (50%)	1,360	1,370	1,341	1,488	1,613	1,590	1,354	1,264	1,158	1,084	873	1,324
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	58	58	58	58	58	57	57	57	58	58	58	58
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	89	98	204	241	280	390	387	378	261	225	192	90
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	10	10	9	10	7	8	8	8	9	9	10	10
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	35	35	53	51	43	63	56	61	46	51	56	37
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,358	3,423	3,563	3,743	3,798	4,092	3,830	3,750	3,544	3,354	3,021	3,303
Monthly Surplus/Deficit	(9)	372	751	1,135	405	(555)	(983)	(893)	(227)	446	38	31
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	221	221	221	221	442	442	442	442	442	221	221	221
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	10	10	10	20	20	20	10	10	10	-
New Resource—Solar + Storage 1:1 (Storage)	87	87	87	87	174	174	174	174	174	87	87	87
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	457	457	507	792	1,115	980	980	976	923	507	507	457
Monthly Surplus/Deficit	448	829	1,258	1,928	1,520	425	(3)	83	697	953	545	488
Planning Margin	30.9%	46.9%	67.2%	100.9%	67.2%	25.7%	15.4%	17.5%	36.3%	53.4%	36.6%	32.7%

Load and Resource Balance Data

	1/2033	2/2033	3/2033	4/2033	5/2033	6/2033	7/2033	8/2033	9/2033	10/2033	11/2033	12/2033
Peak-Hour (50th+15.5%) w/EE	(3,391)	(3,067)	(2,823)	(2,613)	(3,405)	(4,877)	(5,029)	(4,820)	(3,890)	(2,912)	(2,989)	(3,291)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,391)	(3,067)	(2,823)	(2,613)	(3,405)	(4,702)	(4,854)	(4,693)	(3,787)	(2,912)	(2,989)	(3,291)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	347	357	279	427	456	432	293	252	242	216	198	356
Total Hydroelectric (50%)	1,359	1,369	1,339	1,487	1,612	1,589	1,354	1,264	1,158	1,084	873	1,320
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	38	38	38	38	38	38	38	38	38	38	38	38
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	69	78	184	221	260	370	367	359	241	205	172	70
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	10	10	9	10	-	-	-	-	-	-	-	-
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	35	35	53	51	36	55	48	53	37	42	46	27
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,337	3,402	3,541	3,723	3,771	4,063	3,803	3,722	3,515	3,324	2,991	3,269
Monthly Surplus/Deficit	(53)	335	719	1,110	366	(639)	(1,051)	(971)	(272)	412	2	(22)
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	265	265	265	265	529	529	529	529	529	265	265	265
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	10	10	10	20	20	20	10	10	10	-
New Resource—Solar + Storage 1:1 (Storage)	87	87	87	87	174	174	174	174	174	87	87	87
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	501	501	551	836	1,203	1,067	1,067	1,063	1,011	551	551	501
Monthly Surplus/Deficit	447	836	1,270	1,946	1,568	428	16	92	739	963	553	479
Planning Margin	30.7%	47.0%	67.4%	101.5%	68.7%	25.6%	15.9%	17.7%	37.4%	53.7%	36.9%	32.3%

	1/2034	2/2034	3/2034	4/2034	5/2034	6/2034	7/2034	8/2034	9/2034	10/2034	11/2034	12/2034
Peak-Hour (50th+15.5%) w/EE	(3,414)	(3,084)	(2,833)	(2,623)	(3,425)	(4,926)	(5,080)	(4,876)	(3,925)	(2,929)	(3,004)	(3,308)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,414)	(3,084)	(2,833)	(2,623)	(3,425)	(4,751)	(4,905)	(4,749)	(3,823)	(2,929)	(3,004)	(3,308)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	346	357	277	426	455	431	293	252	242	216	198	352
Total Hydroelectric (50%)	1,358	1,369	1,337	1,486	1,612	1,587	1,353	1,264	1,157	1,084	873	1,316
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	38	38	38	38	38	38	38	38	38	38	38	38
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	69	78	184	221	260	370	367	359	241	205	172	70
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	25	25	44	41	36	55	48	53	37	42	46	27
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,326	3,391	3,530	3,712	3,770	4,062	3,802	3,721	3,515	3,324	2,991	3,264
Monthly Surplus/Deficit	(88)	307	697	1,089	345	(689)	(1,102)	(1,027)	(308)	395	(14)	(43)
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	287	287	287	287	573	573	573	573	573	287	287	287
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	15	15	15	31	31	31	15	15	15	-
New Resource—Solar + Storage 1:1 (Storage)	130	130	130	130	260	260	260	260	260	130	130	130
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	334	334	334	334	334	334	334	334	334	334	334	334
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	566	566	621	906	1,338	1,208	1,208	1,204	1,147	621	621	566
Monthly Surplus/Deficit	478	873	1,319	1,995	1,683	519	106	177	839	1,017	608	523
Planning Margin	31.7%	48.2%	69.3%	103.4%	72.2%	27.7%	17.9%	19.7%	40.2%	55.6%	38.9%	33.8%

Load and Resource Balance Data

	1/2035	2/2035	3/2035	4/2035	5/2035	6/2035	7/2035	8/2035	9/2035	10/2035	11/2035	12/2035
Peak-Hour (50th+15.5%) w/EE	(3,441)	(3,105)	(2,848)	(2,636)	(3,449)	(4,979)	(5,133)	(4,933)	(3,959)	(2,944)	(3,018)	(3,326)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,441)	(3,105)	(2,848)	(2,636)	(3,449)	(4,804)	(4,957)	(4,806)	(3,856)	(2,944)	(3,018)	(3,326)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	345	354	275	425	454	431	293	251	242	216	196	348
Total Hydroelectric (50%)	1,357	1,367	1,335	1,485	1,611	1,588	1,353	1,263	1,157	1,083	871	1,312
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	38	38	38	38	38	38	38	38	38	38	38	38
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	69	78	184	221	260	370	367	359	241	205	172	70
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	25	25	44	41	36	55	48	53	37	42	46	27
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,325	3,389	3,529	3,711	3,769	4,062	3,802	3,721	3,515	3,324	2,989	3,260
Monthly Surplus/Deficit	(116)	284	681	1,075	320	(742)	(1,155)	(1,085)	(341)	379	(29)	(66)
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	376	376	376	376	753	753	753	753	753	376	376	376
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Solar + Storage 1:1 (Solar)	-	-	20	20	20	41	41	41	20	20	20	-
New Resource—Solar + Storage 1:1 (Storage)	174	174	174	174	347	347	347	347	347	174	174	174
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	365	365	425	710	1,275	1,150	1,150	1,146	1,084	425	425	365
Monthly Surplus/Deficit	249	649	1,106	1,785	1,595	408	(5)	61	742	805	396	299
Planning Margin	23.8%	39.7%	60.4%	93.7%	68.9%	25.0%	15.4%	16.9%	37.2%	47.1%	30.7%	25.9%

	1/2036	2/2036	3/2036	4/2036	5/2036	6/2036	7/2036	8/2036	9/2036	10/2036	11/2036	12/2036
Peak-Hour (50th+15.5%) w/EE	(3,472)	(3,129)	(2,865)	(2,649)	(3,474)	(5,041)	(5,187)	(4,996)	(3,996)	(2,961)	(3,033)	(3,350)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,472)	(3,129)	(2,865)	(2,649)	(3,474)	(4,866)	(5,011)	(4,869)	(3,893)	(2,961)	(3,033)	(3,350)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	344	352	274	424	453	429	292	251	241	216	197	342
Total Hydroelectric (50%)	1,356	1,364	1,334	1,485	1,610	1,586	1,353	1,263	1,157	1,083	871	1,306
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	38	38	38	38	38	38	38	38	38	38	38	38
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	69	78	184	221	260	370	367	359	241	205	172	70
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	27
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	25	25	44	41	36	55	48	53	37	42	46	27
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,324	3,387	3,528	3,710	3,768	4,060	3,802	3,721	3,514	3,324	2,989	3,255
Monthly Surplus/Deficit	(148)	257	663	1,061	293	(805)	(1,210)	(1,148)	(379)	363	(44)	(95)
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	378	378	378	378	757	757	757	757	757	378	378	378
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	49	49	49	49	49	49	49	49	49	49	49	49
New Resource—Solar + Storage 1:1 (Solar)	-	-	20	20	20	41	41	41	20	20	20	-
New Resource—Solar + Storage 1:1 (Storage)	174	174	174	174	347	347	347	347	347	174	174	174
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	415	415	476	761	1,328	1,203	1,203	1,199	1,136	476	476	415
Monthly Surplus/Deficit	268	673	1,139	1,822	1,621	398	(7)	51	757	839	432	321
Planning Margin	24.4%	40.3%	61.4%	94.9%	69.4%	24.6%	15.3%	16.7%	37.4%	48.2%	32.0%	26.6%

Load and Resource Balance Data

	1/2037	2/2037	3/2037	4/2037	5/2037	6/2037	7/2037	8/2037	9/2037	10/2037	11/2037	12/2037
Peak-Hour (50th+15.5%) w/EE	(3,506)	(3,153)	(2,884)	(2,664)	(3,504)	(5,108)	(5,244)	(5,065)	(4,040)	(2,981)	(3,051)	(3,377)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,506)	(3,153)	(2,884)	(2,664)	(3,504)	(4,933)	(5,069)	(4,937)	(3,937)	(2,981)	(3,051)	(3,377)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	343	350	272	423	452	426	292	251	241	216	196	338
Total Hydroelectric (50%)	1,355	1,363	1,332	1,483	1,609	1,583	1,353	1,263	1,157	1,083	871	1,302
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	29	29	29	24	24	23	23	23	24	24	24	24
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	60	69	175	206	245	356	352	344	226	190	158	55
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Neal Hot Springs Geothermal	25	25	24	21	16	15	8	13	17	22	26	-
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	25	25	44	41	36	55	48	53	37	42	46	0
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,314	3,376	3,517	3,694	3,752	4,043	3,787	3,706	3,500	3,309	2,974	3,209
Monthly Surplus/Deficit	(192)	223	633	1,030	248	(890)	(1,282)	(1,231)	(437)	328	(76)	(168)
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	14	14	10	8	-	-	-
New Resource—Battery: 4 hour	424	424	424	424	849	849	849	849	849	424	424	424
New Resource—Battery: 4 hour - Removals	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—Battery: 8 hour	49	49	49	49	49	49	49	49	49	49	49	49
New Resource—Solar + Storage 1:1 (Solar)	-	-	20	20	20	41	41	41	20	20	20	-
New Resource—Solar + Storage 1:1 (Storage)	174	174	174	174	347	347	347	347	347	174	174	174
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	461	461	522	807	1,420	1,295	1,295	1,291	1,228	522	522	461
Monthly Surplus/Deficit	270	684	1,155	1,837	1,668	404	13	60	791	850	446	293
Planning Margin	24.4%	40.6%	61.8%	95.1%	70.5%	24.6%	15.8%	16.9%	38.1%	48.4%	32.4%	25.5%

	1/2038	2/2038	3/2038	4/2038	5/2038	6/2038	7/2038	8/2038	9/2038	10/2038	11/2038	12/2038
Peak-Hour (50th+15.5%) w/EE	(3,541)	(3,180)	(2,903)	(2,681)	(3,536)	(5,171)	(5,304)	(5,132)	(4,087)	(3,003)	(3,071)	(3,400)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,541)	(3,180)	(2,903)	(2,681)	(3,536)	(4,996)	(5,129)	(5,005)	(3,984)	(3,003)	(3,071)	(3,400)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	342	351	271	422	451	425	292	251	241	215	197	333
Total Hydroelectric (50%)	1,354	1,363	1,331	1,483	1,607	1,582	1,352	1,263	1,157	1,083	872	1,297
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	24	24	24	24	24	23	23	23	24	24	24	24
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	54	63	170	206	245	356	352	344	226	190	158	55
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Neal Hot Springs Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	0	0	20	20	20	40	40	40	20	20	20	0
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,282	3,346	3,486	3,673	3,735	4,026	3,780	3,693	3,482	3,287	2,949	3,204
Monthly Surplus/Deficit	(258)	166	583	991	199	(970)	(1,349)	(1,312)	(501)	283	(122)	(196)
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	-	-	-	-	-	-	-	-	-	-	-	-
New Resource—DR	-	-	-	-	-	22	22	16	13	-	-	-
New Resource—Battery: 4 hour	427	427	427	427	853	853	853	853	853	427	427	427
New Resource—Battery: 4 hour - Removals	(50)	(50)	(50)	(50)	(101)	(101)	(101)	(101)	(101)	(50)	(50)	(50)
New Resource—Battery: 8 hour	97	97	97	97	97	97	97	97	97	97	97	97
New Resource—Solar + Storage 1:1 (Solar)	-	-	26	26	26	51	51	51	26	26	26	-
New Resource—Solar + Storage 1:1 (Storage)	217	217	217	217	434	434	434	434	434	217	217	217
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	505	505	571	856	1,464	1,351	1,351	1,345	1,277	571	571	505
Monthly Surplus/Deficit	247	671	1,153	1,847	1,663	382	2	34	775	854	449	309
Planning Margin	23.6%	39.9%	61.4%	95.1%	69.8%	24.0%	15.5%	16.3%	37.4%	48.3%	32.4%	26.0%

Load and Resource Balance Data

	1/2039	2/2039	3/2039	4/2039	5/2039	6/2039	7/2039	8/2039	9/2039	10/2039	11/2039	12/2039
Peak-Hour (50th+15.5%) w/EE	(3,573)	(3,204)	(2,921)	(2,695)	(3,565)	(5,237)	(5,361)	(5,198)	(4,128)	(3,021)	(3,086)	(3,426)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,573)	(3,204)	(2,921)	(2,695)	(3,565)	(5,061)	(5,185)	(5,071)	(4,025)	(3,021)	(3,086)	(3,426)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	342	351	271	422	451	425	292	251	241	215	197	333
Total Hydroelectric (50%)	1,354	1,363	1,331	1,483	1,607	1,582	1,352	1,263	1,157	1,083	872	1,297
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	24	24	24	24	24	23	23	23	24	24	24	24
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	54	63	170	206	245	356	352	344	226	190	158	55
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Neal Hot Springs Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	0	0	20	20	20	40	40	40	20	20	20	0
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,282	3,346	3,486	3,673	3,735	4,026	3,780	3,693	3,482	3,287	2,949	3,204
Monthly Surplus/Deficit	(290)	142	565	977	170	(1,035)	(1,406)	(1,378)	(543)	266	(138)	(222)
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	2	2	2	2	2	2	2	2	2	2	2	2
New Resource—DR	-	-	-	-	-	29	29	21	17	-	-	-
New Resource—Battery: 4 hour	451	451	451	451	901	901	901	901	901	451	451	451
New Resource—Battery: 4 hour - Removals	(53)	(53)	(53)	(53)	(105)	(105)	(105)	(105)	(105)	(53)	(53)	(53)
New Resource—Battery: 8 hour	97	97	97	97	97	97	97	97	97	97	97	97
New Resource—Solar + Storage 1:1 (Solar)	-	-	26	26	26	51	51	51	26	26	26	-
New Resource—Solar + Storage 1:1 (Storage)	217	217	217	217	434	434	434	434	434	217	217	217
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	529	529	595	880	1,510	1,404	1,404	1,396	1,327	595	595	529
Monthly Surplus/Deficit	239	671	1,160	1,857	1,680	370	(2)	18	784	860	457	307
Planning Margin	23.2%	39.7%	61.4%	95.1%	69.9%	23.7%	15.5%	15.9%	37.4%	48.4%	32.6%	25.8%

	1/2040	2/2040	3/2040	4/2040	5/2040	6/2040	7/2040	8/2040	9/2040	10/2040	11/2040	12/2040
Peak-Hour (50th+15.5%) w/EE	(3,610)	(3,232)	(2,942)	(2,712)	(3,597)	(5,306)	(5,421)	(5,269)	(4,175)	(3,043)	(3,106)	(3,453)
Existing Demand Response Capacity	-	-	-	-	-	176	176	127	103	-	-	-
Peak-Hour (50th+15.5%) w/DR and EE	(3,610)	(3,232)	(2,942)	(2,712)	(3,597)	(5,130)	(5,246)	(5,142)	(4,072)	(3,043)	(3,106)	(3,453)
Existing Resources												
Bridger	663	663	663	663	663	663	663	663	663	663	663	663
Valmy	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal	663	663	663	663	663	663	663	663	663	663	663	663
Langley Gulch	323	318	315	315	312	306	306	306	309	312	318	323
Total Gas Peakers	429	426	410	400	396	370	365	367	397	415	424	437
Total Gas	752	743	725	715	708	675	671	672	706	727	741	761
Hydro (50%) HCC	1,012	1,012	1,060	1,060	1,157	1,157	1,060	1,012	916	868	675	964
Hydro (50%)—Other	342	351	271	422	451	425	292	251	241	215	197	333
Total Hydroelectric (50%)	1,354	1,363	1,331	1,483	1,607	1,582	1,352	1,263	1,157	1,083	872	1,297
Solar CSPP (PURPA)	-	-	99	99	99	199	199	199	99	99	99	-
Wind CSPP Capacity	24	24	24	24	24	23	23	23	24	24	24	24
Other CSPP	31	39	47	83	122	134	130	122	104	67	35	32
Total CSPP	54	63	170	206	245	356	352	344	226	190	158	55
Elkhorn	-	-	-	-	-	-	-	-	-	-	-	-
Raft River Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Neal Hot Springs Geothermal	-	-	-	-	-	-	-	-	-	-	-	-
Jackpot Solar	-	-	20	20	20	40	40	40	20	20	20	-
Clatskanie Exchange	-	-	-	-	-	-	-	-	-	-	-	-
Total PPAs	0	0	20	20	20	40	40	40	20	20	20	0
Available Transmission w/3rd Party Secured	129	184	247	256	161	380	370	380	380	274	165	98
Emergency Transmission (CBM)	330	330	330	330	330	330	330	330	330	330	330	330
Existing Resource Subtotal	3,282	3,346	3,486	3,673	3,735	4,026	3,780	3,693	3,482	3,287	2,949	3,204
Monthly Surplus/Deficit	(328)	114	545	961	138	(1,104)	(1,466)	(1,449)	(590)	244	(157)	(249)
2021 IRP Resources												
New Transmission—B2H	400	400	400	685	700	500	500	500	500	400	400	400
New Resource—EE	5	5	5	5	5	5	5	5	5	5	5	5
New Resource—DR	-	-	-	-	-	36	36	26	21	-	-	-
New Resource—Battery: 4 hour	475	475	475	475	949	949	949	949	949	475	475	475
New Resource—Battery: 4 hour - Removals	(55)	(55)	(55)	(55)	(109)	(109)	(109)	(109)	(109)	(55)	(55)	(55)
New Resource—Battery: 8 hour	97	97	97	97	97	97	97	97	97	97	97	97
New Resource—Solar + Storage 1:1 (Solar)	-	-	26	26	26	51	51	51	26	26	26	-
New Resource—Solar + Storage 1:1 (Storage)	217	217	217	217	434	434	434	434	434	217	217	217
New Resource—Solar	-	-	40	40	40	80	80	80	40	40	40	-
New Resource—WY Wind	45	45	45	45	45	45	45	45	45	45	45	45
New Resource—ID Wind	33	33	33	33	33	33	33	33	33	33	33	33
New Resource—Gas Conversion (exit 2034)	-	-	-	-	-	-	-	-	-	-	-	-
Early Bridger Coal Exits	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)	(663)
New Resource Subtotal	554	554	620	905	1,557	1,458	1,458	1,449	1,378	620	620	554
Monthly Surplus/Deficit	227	669	1,164	1,866	1,695	355	(8)	(0)	789	864	463	305
Planning Margin	22.8%	39.4%	61.2%	95.0%	69.9%	23.2%	15.3%	15.5%	37.3%	48.3%	32.7%	25.7%