

PacifiCorp - Stakeholder Feedback Form

Integrated Resource Plan

PacifiCorp (the Company) requests that stakeholders provide feedback to the Company upon the conclusion of each public input meeting and/or stakeholder conference call, as scheduled. PacifiCorp values the input of its active and engaged stakeholder group, and stakeholder feedback is critical to the IRP public input process. PacifiCorp requests that stakeholders provide comments using this form, which will allow the Company to more easily review and summarize comments by topic and to readily identify specific recommendations, if any, being provided. Information collected will be used to better inform issues included in the IRP, including, but not limited to the process, assumptions, and analysis. In order to maintain open communication and provide the broader Stakeholder community with useful information, the Company will post appropriate feedback on the IRP website based on your selection below.

Date of Submittal 2024-11-18

*Name: Kevin Emerson

Title: Director of Building Efficiency

*E-mail: irp@pacificorp.com

Phone: (801) 608 - 0850

*Organization: Utah Clean Energy

Address: 215 S. 400 E.

City: Salt Lake City

State: UT

Zip: 84129

Public Meeting Date comments address: Check here if related to specific meeting

List additional organization attendees at cited meeting:

***IRP Topic(s) and/or Agenda Items:** List the specific topics that are being addressed in your comments.

Updated Energy Efficiency and Demand Response Data Broken Out by State

Check here if you want your Stakeholder feedback and accompanying materials posted to the IRP website.

***Respondent Comment:** Please provide your feedback for each IRP topic listed above.

Please provide state-by-state data represented in Figure 1.11 \u0013 2023 IRP Update Preferred Portfolio Energy Efficiency and Demand Response Capacity, which can be found on page 10 of the 2023 Integrated Resource Plan Update. Specifically, we request to see state-by-state data as presented in two tables from the 2023 Integrated Resource Plan Volume II Appendices, Tables D.3 and D.4 (page 108).

Data Support: If applicable, provide any documents, hyper-links, etc. in support of comments. (i.e. gas forecast is too high - this forecast from EIA is more appropriate). If electronic attachments are provided with your comments, please list those attachment names here.

Recommendations: Provide any additional recommendations if not included above - specificity is greatly appreciated.

PacifiCorp Response:

Thank you for the data request.

Note that Tables D.3 and D.4 from the 2023 IRP Appendix D show *first-year incremental* resource selections in units of MWh for energy efficiency (EE) and MW for demand response (DR). Meanwhile, Figure 1.11 in the 2023 IRP Update report shows *cumulative* capacity in units of MW for both EE and DR.

Resource	Incremental Selections	Cumulative Capacity
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* Required fields

Demand Response	Table D.3 (in MW)	Figure 1.11 (in MW)
Energy Efficiency	Table D.4 (in MWh)	Figure 1.11 (in MW)

As such, PacifiCorp is presenting all four combinations of these figures, using the 2023 IRP Update data at the state level:

- 1) DR — First-Year Incremental (MW), like Table D.3
- 2) DR — Cumulative (MW), like Figure 1.11
- 3) EE — First-Year Incremental (MWh), like Table D.4
- 4) EE — Cumulative (MW), like Figure 1.11

1) DR — First-Year Incremental (MW), like Table D.3

This figure does not include existing or planned DR resources, rather exclusively shows the new, incremental DR resource selections in each year from the 2023 IRP Update. It also provides summer and winter DR capacity split-out. The figure is not cumulative.

Table D.3 –First Year Demand Response Resource Selections (2023 IRP Update)
(Units in MW)

Resource	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
DR Summer - ID	0.0	0.0	1.0	8.6	0.4	4.0	0.3	0.0	0.6	9.2
DR Summer - UT	0.0	8.5	17.1	15.4	9.2	24.6	12.2	0.0	24.4	12.5
DR Summer - WY	0.0	0.0	10.5	1.6	0.6	27.1	0.5	0.0	0.9	0.3
DR Winter - ID	0.0	0.4	1.2	1.5	0.9	0.5	0.3	0.3	0.2	0.2
DR Winter - UT	0.0	0.0	11.1	13.7	8.4	7.8	6.0	6.5	4.9	4.9
DR Winter - WY	0.0	0.0	9.4	13.6	0.7	9.8	0.4	0.4	0.3	0.6
DR Summer - CA	0.0	0.0	1.5	1.2	0.5	1.7	0.1	0.0	0.3	0.1
DR Summer - OR	0.0	1.9	21.6	25.4	6.0	34.3	36.4	0.0	19.1	4.2
DR Summer - WA	0.0	2.8	4.7	7.5	1.1	15.0	0.9	0.0	4.8	0.6
DR Winter - CA	0.0	0.0	1.2	0.6	0.2	0.2	0.1	0.1	0.0	0.4
DR Winter - OR	0.0	14.7	11.9	19.3	6.0	7.4	3.1	3.4	0.0	52.8
DR Winter - WA	0.0	9.7	6.8	1.3	1.0	0.8	0.6	0.7	0.0	26.2
Resource	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
DR Summer - ID	0.0	0.2	0.1	0.2	20.9	11.1	0.0	0.7	0.6	0.0
DR Summer - UT	0.0	21.1	10.0	10.5	10.9	53.9	0.0	30.3	84.4	0.0
DR Summer - WY	0.0	0.3	0.0	0.0	0.0	9.9	0.0	0.2	0.5	0.0
DR Winter - ID	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DR Winter - UT	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DR Winter - WY	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
DR Summer - CA	0.0	0.1	0.0	0.0	0.1	4.1	0.0	1.0	0.1	0.0
DR Summer - OR	0.0	16.5	0.3	0.3	11.1	22.0	0.0	37.3	6.5	0.0
DR Summer - WA	2.6	0.2	2.0	0.8	0.0	6.6	0.1	1.2	2.8	2.6
DR Winter - CA	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DR Winter - OR	1.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DR Winter - WA	2.2	1.8	1.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0

* Required fields

2) DR — Cumulative (MW), like Figure 1.11

Different from Table D.3 above, this Figure 1.11 table shows *cumulative* DR capacity. It also sums the summer and winter values to show a single state-wide capacity value. The figure does not include prior existing or planned DR resources.

Figure 1.11 - Cumulative Demand Response Resource Selections (2023 IRP Update)
(Sum of Summer & Winter; Units in MW)

Resource	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
DR - Idaho	0.0	0.4	2.6	12.8	14.1	18.6	19.2	19.5	20.4	29.7
DR - Utah	0.0	8.5	36.7	65.8	83.4	115.8	133.9	140.5	169.8	187.2
DR - Wyoming	0.0	0.0	19.9	35.1	36.3	73.3	74.2	74.6	75.7	76.6
DR - California	0.0	0.0	2.7	4.5	5.1	7.0	7.2	7.3	7.6	8.1
DR - Oregon	0.0	16.5	50.1	94.7	106.7	148.3	187.9	191.3	210.4	267.4
DR - Washington	0.0	12.5	24.0	32.8	35.0	50.8	52.3	53.0	57.8	84.6
Resource	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
DR - Idaho	29.8	30.5	30.7	31.0	51.9	63.0	63.0	63.7	64.3	64.3
DR - Utah	189.6	211.3	221.2	231.7	242.6	296.5	296.5	326.8	411.2	411.2
DR - Wyoming	76.7	77.2	77.2	77.3	77.3	87.2	87.2	87.4	88.0	88.5
DR - California	8.1	8.3	8.4	8.4	8.5	12.7	12.7	13.7	13.8	13.8
DR - Oregon	268.6	285.5	286.0	286.3	297.4	319.4	319.4	356.7	363.2	363.2
DR - Washington	89.4	91.3	94.7	95.6	95.6	102.2	102.3	103.6	106.3	109.0

* Required fields

3) EE — First Year Incremental (MWh), like Table D.4

This table shows EE savings selected in each year on a new, incremental, and first-year savings basis, in units of MWh. It is not cumulative and does not include existing or planned EE resources. Savings from Home Energy Reports are excluded as well.

Table D.4 – First-Year Energy Efficiency Resource Selections (2023 IRP Update)

(Excludes Home Energy Report Savings; Units in MWh)

State	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
EE - California	2,426	1,447	3,309	4,219	4,302	4,949	5,455	5,152	6,837	6,559
EE - Oregon	180,799	166,678	179,988	163,586	166,963	166,894	161,227	158,138	164,427	141,902
EE - WA	53,111	47,873	50,093	32,864	37,299	42,772	45,988	48,803	51,944	52,661
EE - Utah	266,501	267,939	272,287	328,565	376,872	418,663	447,683	461,195	479,295	490,851
EE - Idaho	11,998	14,924	17,533	23,331	25,929	29,383	31,060	31,616	33,629	34,674
EE - Wyoming	44,205	41,231	41,271	60,911	65,767	74,468	73,294	78,878	80,477	83,545
Total System	559,041	540,092	564,481	613,476	677,133	737,129	764,707	783,782	816,608	810,193

State	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
EE - California	6,313	6,068	4,840	5,899	6,455	4,929	4,416	4,180	3,782	2,889
EE - Oregon	129,397	128,891	124,318	119,729	116,967	94,132	93,169	107,376	81,309	97,751
EE - WA	48,740	46,200	41,550	40,853	35,002	31,963	28,115	27,882	24,825	23,594
EE - Utah	479,885	484,728	487,804	507,404	476,815	457,433	425,194	489,622	417,013	408,578
EE - Idaho	32,998	32,356	31,510	31,920	28,194	27,623	24,819	26,121	22,179	20,757
EE - Wyoming	79,290	78,293	73,052	72,758	63,554	61,514	57,448	63,129	48,250	51,786
Total System	776,623	776,535	763,075	778,562	726,987	677,594	633,161	718,310	597,357	605,354

* Required fields

4) EE — Cumulative (MW), like Figure 1.11

In alignment with Figure 1.11, this table shows *capacity* from EE resources, in units of MW, as opposed to energy savings in MWh. It is shown in *cumulative* capacity and also does not include capacity from Home Energy Reports. The figure does not include prior existing or planned EE resources.

Figure 1.11 - Cumulative Energy Efficiency Resource Selections (2023 IRP Update)
(Excludes Home Energy Report Savings; Units in MW)

State	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
EE - California	1.0	1.6	3.0	4.0	4.9	6.0	7.1	8.3	10.3	11.7
EE - Oregon	56.6	102.8	166.7	223.4	277.8	332.5	397.2	456.5	546.8	579.3
EE - Washington	16.6	31.4	47.9	54.0	61.0	69.2	78.3	88.1	97.8	108.7
EE - Utah	78.6	155.2	266.9	344.9	437.2	542.3	662.9	791.6	915.8	1,040.3
EE - Idaho	2.9	6.4	10.7	17.4	24.7	32.8	41.5	50.6	59.1	68.2
EE - Wyoming	9.6	18.9	32.1	43.9	56.7	71.3	85.4	100.7	114.9	131.4
Total System	165.3	316.3	527.3	687.6	862.4	1,054.1	1,272.5	1,495.8	1,744.7	1,939.6

State	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
EE - California	13.0	14.3	15.3	16.5	19.1	20.2	21.2	22.2	23.0	24.1
EE - Oregon	629.7	682.0	742.1	782.7	881.6	899.7	930.2	977.0	1,024.5	1,134.2
EE - Washington	119.5	129.4	138.6	147.5	153.9	161.3	167.6	173.3	178.9	183.2
EE - Utah	1,173.9	1,315.4	1,477.2	1,654.8	1,821.7	1,961.8	2,082.8	2,227.5	2,388.6	2,574.9
EE - Idaho	77.6	87.0	96.4	106.1	112.9	120.2	127.0	134.4	141.9	147.0
EE - Wyoming	149.0	164.4	179.5	193.4	203.7	216.1	228.2	240.0	248.2	255.5
Total System	2,162.7	2,392.5	2,649.2	2,901.1	3,192.9	3,379.4	3,556.9	3,774.5	4,005.1	4,318.9

Please submit your completed Stakeholder Feedback Form via email to IRP@PacifiCorp.com

Thank you for participating.

* Required fields