

The 2015 IRP DRAFT Action Plan

The 2015 IRP Action Plan identifies specific resource actions the Company will take over the next two to four years. Action items are based on the type and timing of resources in the preferred portfolio, findings from analysis completed during the development of the 2015 IRP, and other resource activities described in the 2015 IRP. Table 9.1 details specific 2015 IRP action items by category.

Table 9.1 – 2015 IRP DRAFT Action Plan

Action Item	1. Renewable Resource Actions
1a	<p><u>Renewable Portfolio Standard Compliance</u></p> <ul style="list-style-type: none"> • The Company will pursue unbundled REC request for proposals (RFP) to meet its state RPS compliance requirements. <ul style="list-style-type: none"> – Issue at least annually, RFPs seeking then current-year or forward-year vintage unbundled RECs that will qualify in meeting Washington renewable portfolio standard targets through 2017. – Issue at least annually, RFPs seeking then current-year or forward-year vintage unbundled RECs that will qualify in meeting California renewable portfolio standard targets through 2017. – With a projected bank balance extending out through 2027, defer issuance of RFPs seeking unbundled RECs that will qualify in meeting Oregon renewable portfolio standard targets until states begin to develop implementation plans under EPA’s draft 111(d) rule, providing clarity on whether an unbundled REC strategy is the least cost compliance alternative for Oregon customers.
1b	<p><u>Renewable Energy Credit Optimization</u></p> <ul style="list-style-type: none"> • On a quarterly basis, and through calendar year 2016, issue reverse RFPs to sell 2016 vintage or older RECs that are not required to meet state RPS compliance obligations.
1c	<p><u>Oregon Solar Capacity Standard</u></p> <ul style="list-style-type: none"> • Conclude negotiations with shortlisted bids from the 2013S Request for Proposals (RFP), seeking up to 7 MW_{AC} of competitively priced capacity from qualifying solar systems that will be used to satisfy PacifiCorp’s obligation under Oregon’s 2020 solar capacity standard.
Action Item	2. Firm Market Purchase Actions
2a	<p><u>Front Office Transactions</u></p> <ul style="list-style-type: none"> • Acquire economic short-term firm market purchases for on-peak summer deliveries from 2015 through 2017

	<p>consistent the Commercial and Trading Front Office Procedures and Practices. These short-term firm market purchases will be acquired through multiple means:</p> <ul style="list-style-type: none"> – Balance of month and day-ahead brokered transactions in which the broker provides the service of providing a competitive price. – Balance of month, day-ahead, and hour-ahead transactions executed through an exchange, such as Intercontinental Exchange (ICE), in which the exchange provides the service of providing a competitive price. – Prompt month forward, balance of month, day-ahead, and hour-ahead non-brokered transactions. 															
Action Item	3. Demand Side Management (DSM) Actions															
3a	<p><u>Class 1 DSM</u></p> <ul style="list-style-type: none"> • Pursue a west-side irrigation load control pilot beginning 2016 to test the feasibility of program design. PacifiCorp’s implementation plan for this pilot is provided as Appendix D in Volume II of the 2015 IRP. 															
3b	<p><u>Class 2 DSM</u></p> <ul style="list-style-type: none"> • Acquire cost effective Class 2 DSM (energy efficiency) resources targeting annual system energy and capacity selections from the preferred portfolio as summarized in the following table. PacifiCorp’s implementation plan to acquire cost effective energy efficiency resources is provided as Appendix D in Volume II of the 2015 IRP. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Year</th> <th style="text-align: center;">Annual Incremental Energy (GWh)</th> <th style="text-align: center;">Annual Incremental Capacity* (MW)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2015</td> <td style="text-align: center;">551</td> <td style="text-align: center;">133</td> </tr> <tr> <td style="text-align: center;">2016</td> <td style="text-align: center;">584</td> <td style="text-align: center;">139</td> </tr> <tr> <td style="text-align: center;">2017</td> <td style="text-align: center;">616</td> <td style="text-align: center;">146</td> </tr> <tr> <td style="text-align: center;">2018</td> <td style="text-align: center;">634</td> <td style="text-align: center;">146</td> </tr> </tbody> </table> <p>*Class 2 DSM capacity figures reflect projected maximum annual hourly energy savings, which is similar to a nameplate rating for a supply side resource.</p>	Year	Annual Incremental Energy (GWh)	Annual Incremental Capacity* (MW)	2015	551	133	2016	584	139	2017	616	146	2018	634	146
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2015	551	133														
2016	584	139														
2017	616	146														
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Action Item	4. Coal Resource Actions															
4a	<p><u>Naughton Unit 3</u></p> <ul style="list-style-type: none"> • Issue RFPs to procure gas transportation and engineering, procurement, and construction (EPC) of the Naughton Unit 3 natural gas conversion in the first quarter of 2016. • PacifiCorp may update its economic analysis of natural gas conversion in conjunction with the RFP processes to align gas transportation and EPC cost assumptions with market bids. 															
4b	<p><u>Dave Johnston Unit 3</u></p> <ul style="list-style-type: none"> • The portion of EPA’s final Regional Haze Federal Implementation Plan (FIP) requiring the installation of selective catalytic reduction (SCR) at Dave Johnston Unit 3, or a commitment to shut down Dave Johnston Unit 3 by the end of 2027, is currently under appeal by the State of Wyoming in the U.S. Tenth Circuit Court of Appeals. 															

	<ul style="list-style-type: none"> • If following appeal, EPA’s final FIP as it pertains to Dave Johnston Unit 3 is upheld, PacifiCorp will commit to shutting down Dave Johnston Unit 3 by the end of 2027. • If following appeal, EPA’s final FIP as it pertains to Dave Johnston Unit 3 is or will be modified, PacifiCorp will evaluate alternative compliance strategies that will meet any new requirements, as applicable, and provide the associated analysis in a future IRP or IRP Update.
<p>4c</p>	<p><u>Wyodak</u></p> <ul style="list-style-type: none"> • Continue to pursue the Company’s appeal of the portion of EPA’s final Regional Haze FIP that requires the installation of SCR at Wyodak, recognizing that the compliance deadline for SCR under the FIP is currently stayed by the court. • If following appeal, EPA’s final FIP as it pertains to installation of SCR at Wyodak is upheld (with a modified schedule that reflects the final stay duration), PacifiCorp will update its evaluation of alternative compliance strategies that will meet Regional Haze compliance obligations and provide the associated analysis in a future IRP or IRP Update.
<p>4d</p>	<p><u>Cholla Unit 4</u></p> <ul style="list-style-type: none"> • Continue permitting efforts in support of an alternative Regional Haze compliance approach that avoids installation of SCR with a commitment to cease operating Cholla Unit 4 as a coal-fueled resource by the end of April 2025.
<p>Action Item</p>	<p style="text-align: center;">5. Transmission Actions</p>
<p>5a</p>	<p><u>Energy Gateway Permitting</u></p> <ul style="list-style-type: none"> • Continue permitting for the Energy Gateway transmission plan, with near term targets as follows: <ul style="list-style-type: none"> – For Segments D, E, and F, continue funding of the required federal agency permitting environmental consultant as actions to achieve final federal permits. – For Segments D, E, and F, continue to support the federal permitting process by providing information and participating in public outreach. – For Segment H (Boardman to Hemingway), continue to support the project under the conditions of the Boardman to Hemingway Transmission Project Joint Permit Funding Agreement.
<p>5b</p>	<p><u>Wallula to McNary 230 kilovolt Transmission Line</u></p> <ul style="list-style-type: none"> • Complete Wallula to McNary project construction per plan with 2017 expected in-service date. Continue to support the permitting process for Walla Walla to McNary.

2015 IRP Draft Preferred Portfolio

Resource	Nameplate Capacity (MW)																				Resource Totals 1/	
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	10-year	20-year
East																						
Existing Plant Retirements/Conversions																						
Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	(45)
Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	(33)
Hunter 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(269)	-	(269)
Huntington 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(450)	-	-	-	-	(450)
Carbon 1 (Coal Early Retirement/Conversions)	(67)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(67)	(67)
Carbon 2 (Coal Early Retirement/Conversions)	(105)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(105)	(105)
Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	(387)
DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	(106)
DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	(106)
DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	(220)
DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	(330)
Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	(156)
Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	(201)
Naughton 3 (Coal Early Retirement/Conversions)	(50)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(330)	(330)
Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	(358)
Coal Ret_ AZ - Gas RePower	-	-	-	-	-	-	-	-	-	-	387	-	-	-	-	-	-	-	-	-	-	387
Coal Ret_ WY - Gas RePower	-	-	-	337	-	-	-	-	-	-	-	-	-	-	-	(337)	-	-	-	-	337	-
Expansion Resources																						
CCCT - DJohns - F 1xl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	313	-	-	-	-	-	313
CCCT - DJohns - J 1xl	-	-	-	-	-	-	-	-	-	-	-	-	-	423	-	-	-	-	-	-	-	423
CCCT - Utah-N - F 2xl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	635	635	-	1,270
CCCT - Utah-S - J 1xl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	846	-	-	-	-	-	846
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	423	-	1,159	-	-	635	635	-	2,852
DSM, Class 1, UT-DLC-RES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	-	-	4.9
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	-	-	4.9
DSM, Class 2, ID	4	4	5	5	5	4	4	4	5	5	5	5	5	5	5	4	4	4	5	4	45	90
DSM, Class 2, UT	69	78	84	86	92	81	84	90	91	93	75	76	80	80	77	75	72	72	73	70	847	1,596
DSM, Class 2, WY	6	8	10	12	14	12	13	14	15	16	13	13	14	15	15	16	16	17	17	12	121	271
DSM, Class 2 Total	79	90	99	102	111	97	101	108	110	114	92	94	99	99	94	93	92	94	92	92	1,012	1,958
FOT Mona Q3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161	44	110	104	268	300	74	53
West																						
Expansion Resources																						
Oregon Solar Capacity Standard	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7
DSM, Class 1, OR-Curtail	-	-	-	-	-	-	-	-	10.6	-	-	10.6	-	-	10.6	-	-	-	-	-	10.6	31.8
DSM, Class 1, OR-Irrigate	-	-	-	-	-	-	-	5.0	-	-	-	-	-	-	-	-	-	-	-	-	5.0	5.0
DSM, Class 1 Total	-	-	-	-	-	-	-	5.0	10.6	-	-	10.6	-	-	10.6	-	-	-	-	-	15.6	36.8
DSM, Class 2, CA	1	2	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	16	29
DSM, Class 2, OR	44	39	36	33	29	27	25	25	23	23	21	22	22	22	21	21	20	21	20	20	303	511
DSM, Class 2, WA	8	9	10	10	11	9	10	10	11	11	9	9	9	9	9	8	8	8	8	7	98	181
DSM, Class 2 Total	54	49	47	44	42	38	36	36	36	35	31	32	32	32	31	30	29	30	28	28	417	721
FOT COB Q3	-	62	29	-	60	104	-	-	-	-	-	-	-	268	248	268	268	185	138	26	95	95
FOT MidColumbia Q3	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
FOT MidColumbia Q3 - 2	227	375	375	370	375	375	269	291	261	254	271	292	335	375	375	375	375	375	375	375	317	335
FOT NOB Q3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Existing Plant Retirements/Conversions	(222)	-	-	57	-	-	-	-	-	-	-	-	-	(762)	-	(1,144)	(77)	-	(627)	-	-	-
Annual Additions, Long Term Resources	133	146	146	146	153	135	137	149	157	149	123	137	130	555	139	1,284	122	122	762	755	-	-
Annual Additions, Short Term Resources	727	937	904	870	935	979	769	791	761	754	771	792	835	1,304	1,167	1,253	1,247	1,411	1,360	1,087	-	-
Total Annual Additions	860	1,084	1,050	1,016	1,088	1,113	906	941	917	903	893	928	965	1,859	1,305	2,537	1,369	1,533	2,123	1,841	-	-

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.