

2008 IRP Update - Errata June 16, 2010

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For Utah, the wholesale sales were not included in the comparison calculation, which lowered the overall difference between the two forecasts. The yellow highlighted column shows the numerical changes to the table.

Table 3.4 – Annual Coincidental Peak Growth Change: October 2009 Forecast Less February 2009 Forecast

(Megawatts)

Year	Total	OR	WA	CA	UT	WY	ID	SE ID
2010	(271)	(149)	13	(5)	0	(56)	(54)	(27)
2011	(276)	(135)	13	(8)	(42)	(80)	12	(43)
2012	(258)	(98)	10	(9)	(4)	(97)	(5)	(64)
2013	(192)	(75)	14	(9)	36	(87)	(12)	(60)
2014	(43)	(67)	13	(11)	27	(74)	74	(18)
2015	(60)	(65)	13	(11)	10	(60)	66	(23)
2016	(98)	(65)	12	(12)	29	(66)	43	(45)
2017	(109)	(68)	11	(12)	33	(77)	37	(45)
2018	(143)	(75)	7	(12)	30	(89)	35	(56)
2019	(86)	(74)	11	(12)	54	(68)	35	(40)
Annual Average Change for 2010-2019								
	(154)	(87)	12	(10)	17	(75)	23	(42)

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Total amount of renewable resource additions cited in preceding text was corrected to match table amounts.

Existing Supply-Side Resources

Since the filing of the 2008 IRP in May 2009, PacifiCorp has added ~~268~~258 megawatts of additional renewable resources. Table 3.5 reports these renewable resources by category, nominal capacity (MW), and commercial on-line date.

Table 3.5 – Renewable Resource Additions

Resource Category	Nominal Capacity (MW)	On-line Date
Owned Wind		
High Plains	99.0	9/13/2009
McFadden Ridge I	28.5	9/29/2009

Resource Category	Nominal Capacity (MW)	On-line Date
Purchased Wind - Power Purchase Agreements and PURPA Qualifying Facilities		
Three Buttes Wind, LLC (PPA)	99.0	12/31/2009
Four Corners Windfarm LLC (Oregon Wind Farm II, QF)	10.0	6/16/2009
Four Mile Canyon Windfarm LLC (Oregon Wind Farm II, QF)	10.0	6/16/2009
Threemile Canyon Wind LLC (QF)	9.9	9/1/2009
Biogas – PURPA Qualifying Facilities		
Small Oregon QF	1.6	5/15/2009

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The capital costs for the Natural Gas CCCT 2x1 resource options in Table 4.3 have been broken out into the 2x1 (two gas turbines, one steam turbine) and duct-firing plant components. The original table incorrectly had these costs added together. Yellow highlights show numerical changes to the table.

Table 4.3 – Resource Capital Cost Comparison, 2010 Business Plan vs. 2008 IRP

Resource Type and Location	Capital Cost by Resource Type (2009 \$/kW)		Percent Change
	2010 Business Plan	Difference, 2010 Business Plan less 2008 IRP	
East			
Natural Gas, Intercooled Aero SCCT	1,084	32	3%
Natural Gas, SCCT Frame	770	23	3%
Natural Gas, CCCT Wet 2x1 (4500 feet)	\$1,253	10	1%
Natural Gas, CCCT- DF, Wet, 2x1 (4500 feet)	\$632	5	1%
Wind	2,332	(234)	(9%)
West			
Natural Gas, Intercooled Aero SCCT	985	29	3%
Natural Gas, SCCT Frame	700	21	3%
Natural Gas, CCCT Wet, 2x1 (1500 feet)	\$1,131	9	1%
Natural Gas, CCCT - DF, Wet, 2x1 (1500 feet)	\$570	4	1%
Natural Gas, - CCCT 2x1 (Sea level)	\$1,083	8	1%
Natural Gas, CCCT- DF, Wet, 2x1 (Sea Level)	\$546	4	1%
Wind	\$2,474	(137)	(5%)

*DF – Duct Firing

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Table 3.6 – Contract Additions: Front Office Transactions has a correction to the location for the last line and should read “FOT 3rd Qtr – ~~Mona~~ Four Corners”.

Table 3.6 – Contract Additions: Front Office Transactions

Contract Type - Location	Contract Capacity (MW)	Contract Term
Purchases		
FOT 3 rd Qtr – Mona	50	2010-2012
FOT 3 rd Qtr – Mona	100	2011-2012
Locational Spreads		
FOT 3 rd Qtr – Mona	100	2012-2013
FOT 3 rd Qtr – Four Corners	100	2012-2013
FOT 3 rd Qtr – Mona	50	2013
FOT 3 rd Qtr – Four Corners	50	2012-2013

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East PPA changed to 200MW to coincide with the amount shown in Table 5.3 – 2010 Business Plan Portfolio.

Table A.4 – 2010 Business Plan Resource Portfolio (2010-2028)

Resource	Capacity, MW																			Resource Sum Years		
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2010-19	2010-28	
East																						
CCCT F 2x1, Utah (North 2015, South 2018)	-	-	-	-	-	607	-	-	536	-	-	-	-	-	-	-	-	-	-	-	1,143	1,143
East PPA	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200
Coal & Gas Capacity Upgrades	16	20	-	2	-	11	37	-	-	-	-	-	-	-	-	-	-	-	-	-	86	86
Wind, Top of the World (PPA)	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200
Wind, McFadden Ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wind, Dunlap 1	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	111	111
Wind, Three Buttes (PPA)	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99	99
Wind, Casper (PPA)	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	17
Wind, High Plains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wind, WYSW, 35% Capacity Factor	-	-	-	-	-	-	-	160	100	200	200	200	200	200	-	-	-	-	-	-	460	1,260
Total Wind	227	200	-	-	-	-	-	160	100	200	200	200	200	200	-	-	-	-	-	-	887	1,687
DSM, Class 1, UT-Coolkeeper	18	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	28
DSM, Class 1, Irrigate	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	25
DSM, Class 1, UT-DLC-RES	-	5	15	15	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	40
DSM, Class 1, WY-DLC-RES	-	-	-	5	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13
DSM, Class 1 Total	43	11	20	20	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106	106
DSM, Class 2, Goshen	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	37
DSM, Class 2, Utah	54	54	54	56	57	39	40	41	39	43	43	45	46	43	42	47	48	48	48	48	477	886
DSM, Class 2, Wyoming	9	9	9	9	10	8	8	8	8	9	9	9	9	10	10	10	10	10	10	10	89	175
DSM, Class 2 Total	65	65	66	68	68	49	50	51	50	53	54	56	57	55	54	59	60	59	59	-	585	1,098
FOT Mead, 3rd Qtr HLH	-	-	-	38	219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOT Utah, 3rd Qtr HLH	-	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	-	-
FOT Mona, 3rd Qtr HLH	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOT Mona-3, 3rd Qtr HLH	-	-	-	300	300	300	300	300	297	300	300	300	300	300	300	300	300	300	300	300	-	-
Growth Resource Goshen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94	277	187	299	-	-	-
Growth Resource Utah North	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-
West																						
Coal Plant Turbine Upgrades	4	-	-	-	-	-	12	12	8	12	-	-	-	-	-	-	-	-	-	-	48	48
Wind PPA	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20
Total Wind	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20
DSM, Class 1, WW-Irrigate	-	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
DSM, Class 1, WM-DLC-RES	-	2	8	10	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	25
DSM, Class 1, WM-Irrigate	-	2	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13
DSM, Class 1, YA-Irrigate	-	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5
DSM, Class 1 Total	-	5	17	18	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	45
DSM, Class 2, Walla Walla	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	31	56
DSM, Class 2, West Main	30	30	30	30	30	29	29	19	19	19	19	19	19	19	19	19	19	19	19	19	264	437
DSM, Class 2, Yakima	6	6	6	6	6	5	5	6	5	6	6	6	6	6	6	6	6	6	6	6	58	111
DSM, Class 2 Total	40	40	39	40	40	37	37	27	27	27	27	28	28	28	28	28	28	28	28	-	353	604
Solar	-	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9
FOT COB, 3rd Qtr HLH	-	-	389	389	389	289	239	239	239	239	239	239	239	239	239	239	239	239	239	239	-	-
FOT Mid-Columbia, 3rd Qtr HLH	-	-	-	155	265	155	333	319	-	155	344	10	311	400	400	400	400	400	400	400	-	-
FOT West Main, 3rd Qtr HLH	-	-	15	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	-	-
Growth Resource Walla Walla	-	-	-	-	-	-	-	-	-	-	-	12	13	26	92	175	173	171	167	-	-	-
Growth Resource West Main	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	259	302	-	-	-
Growth Resource Yakima	-	-	-	-	-	-	-	-	-	-	-	152	-	14	16	136	144	156	170	-	-	-
Annual Additions, Long Term Resources	414	342	344	149	125	708	136	251	721	292	282	284	285	283	81	87	87	87	87	-	87	87
Annual Additions, Short Term Resources	-	-	604	932	1,223	794	923	958	636	794	984	814	963	1,080	1,147	1,444	1,633	1,813	1,984	-	1,984	1,984
Total Annual Additions	414	342	948	1,081	1,348	1,503	1,059	1,208	1,357	1,087	1,265	1,097	1,248	1,363	1,229	1,531	1,720	1,900	2,071	-	2,071	2,071