

Appendix A
PacifiCorp
Avoided Cost (GRID and Differential Revenue Requirement)
Model Updates through September 2013
Case No. 03-035-14

GRID Scenario Study Period

January 1, 2015 through December 31, 2034 (20-year study)
Avoided Cost prices starting in January 2015

Official Forward Price Curve (Gas and Market Prices)

Updated to PacifiCorp's September 2013 Official Forward Price Curve (1309 OFPC)

Fuel Prices (Coal)

Average and incremental coal costs based on forecast dated January 2013

Integrated Resource Plan (IRP) Resources

2013 IRP filed with Commission on April 30, 2013
Resource additions, including generating resources, DSM, and front office transactions (FOT), consistent with 2013 IRP
Transmission additions consistent with the 2013 IRP

Hydro Resources

2013 hydro forecast prepared April 2013
2013 hydro levels extended thereafter with known and measurable changes

Discount Rate

6.882% discount rate - 2013 IRP page 164
Discount rate is consistent with the Commission's order in Docket No. 11-035-T06

Inflation Rates

Updated to the Company's most recent inflation rate study dated June 2013

Load Forecast (Retail)

20-Year load forecast dated June 2013

Long-Term Contracts

Long-term contracts which have prices that are indexed to market were updated to be consistent with the 1309 OFPC

Contracts are modeled based on 48 months ended December 2013

Four Utah Wind QFs signed contracts:

- Champlin Blue Mountain Wind QF

- Latigo Wind Park QF

- Long Ridge Wind I QF

- Long Ridge Wind II QF

Eight Utah Schedule 37 solar projects signed contracts:

- Beryl Solar

- Buckhorn Solar

- Cedar Valley Solar

- Fiddler's Canyon 1

- Fiddler's Canyon 2

- Greenville Solar

- Manderfield

- South Milford

Modeled as "Utah Post-MSP Solar QF" (22.29 MW nameplate)

Market Capacity

Capacity set at 48 month average of all STF sales ended December 2013

Additional heavy load hour (HLH) and light load hour (LLH) sales limited to historical 48 month average less monthly executed STF contracts as of July 2013

Potential Environmental Costs

Updated costs to be consistent with the 1309 OFPC

Costs are excluded from fuel costing and are excluded from avoided costs

Costs included in incremental fuel costs for plant commitment and dispatch decisions starting in 2022

Regulating Margin

Study consistent with the 2012 Wind Integration study

Regulation reserves starting at 451 aMW in 2013 and increasing as necessary to provide wind integration

Increasing at 8.2 MW of regulation reserve per 100 MW of incremental wind

Short-Term Firm (STF) Transactions

Updated to include executed STF contracts as of July 2013

Size of the Avoided Cost Resource

The size of the avoided cost resource has not been changed

The avoided cost thermal resource is a 100 MW and 85% capacity factor thermal resource.

Thermal Resources

Thermal resource operating characteristics updated to be consistent with current Company official characteristics

Forced & planned outage and heat rate levels based on 48 months ended December 2012

Update liquidity point GRID setting to more accurately reflect expected thermal plant operation

Designated Currant Creek as must run starting in 2028 which coincides with the Dave Johnston coal fired power plant retirement.

Removed Lake Side 1 and Lake Side 2 screens beginning in 2022 which required the plants to cycle off for eight hours every night.

Topology

There were no changes to the GRID model topology

Transmission

Short term transmission modeled based on 48 months ended December 2012

Energy Gateway modeled consistent with 2013 IRP Chapter 4

One transmission link was updated to reflect current transmission rights

Capacity Contribution

Capacity contribution applied to renewable resources in queue (see table below)

Ordered by the Commission in Docket No. 12-035-100, Order dated August 16, 2013

Integration Costs

Methodology ordered by the Commission in Docket No. 12-035-100, August 16, 2013

Costs filed with the Commission in Company's 2013.Q2 Compliance Filing

\$4.86/MWh (2015-2034) on a 20-year nominal levelized basis for wind integration

Renewable Type	Capacity Contribution Percent of Nameplate	Integration Cost Level Percent of Wind Integration
Wind	20.5%	100%
Solar – Fixed base / Energy	68%	65%
Solar – Peak oriented / Tracking	84%	50%

IRP Partial Displacements (this filing)

Base Case - Thermal partial displacement is 866.43 MW. Listed below are the QFs that have executed a power purchase agreement or are actively negotiating for new power purchase agreement.

QF Queue						
No.	QF	Partial Displacement	Name plate	CF	Capacity Contribution	Start Date
1	AG Hydro (Signed)	10.00	10.00	29.7%	100.0%	2015 01 01
2	Columbia Biogas (Signed)	3.00	3.00	45.7%	100.0%	2015 03 01
3	Dorena Hydro (Signed)	6.10	6.10	28.2%	100.0%	2013 08 15
4	EBD Hydro (Signed)	3.00	3.00	39.1%	100.0%	2014 04 01
5	OM Power I (Signed)	10.00	10.00	64.5%	100.0%	2013 11 02
6	TMF Biofuels (Signed)	4.80	4.80	88.5%	100.0%	2012 12 31
7	Utah Sch 37 Solar (Signed)	18.72	22.29	31.2%	84.0%	2015 05 30
8	Champlin Blue Mtn Wind (Sig	16.40	80.00	35.6%	20.5%	2015 11 30
9	Long Ridge Wind I (Signed)	16.38	79.90	34.3%	20.5%	2015 12 31
10	Long Ridge Wind II (Signed)	16.38	79.90	34.3%	20.5%	2015 12 31
11	Latigo Wind Park (Signed)	12.30	60.00	33.8%	20.5%	2015 05 01
Total Signed MW		117.08	358.99			
1	QF - 82 - UT - Wind	16.24	79.20	33.8%	20.5%	2015 10 01
2	QF - 84 - WY - Wind	16.40	80.00	40.7%	20.5%	2015 03 01
3	QF - 86 - OR - Wind	16.40	80.00	33.9%	20.5%	2015 01 01
4	QF - 87 - UT - Wind	11.07	54.00	35.9%	20.5%	2015 09 01
5	QF - 88 - OR - Solar	67.20	80.00	28.0%	84.0%	2017 01 01
6	QF - 89 - WY - Gas	97.00	97.00	85.0%	100.0%	2017 06 01
7	QF - 90 - UT - Solar	20.16	24.00	31.2%	84.0%	2015 07 31
8	QF - 91 - UT - Solar	67.20	80.00	30.7%	84.0%	2016 01 01
9	QF - 92 - UT - Solar	67.20	80.00	29.7%	84.0%	2016 01 01
10	QF - 93 - UT - Solar	67.20	80.00	29.7%	84.0%	2016 01 01
11	QF - 94 - UT - Wind	16.40	80.00	29.0%	20.5%	2016 01 01
12	QF - 95 - UT - Solar	42.34	50.40	31.7%	84.0%	2015 12 01
13	QF - 96 - UT - Solar	42.34	50.40	31.5%	84.0%	2016 01 01
14	QF - 97 - UT - Solar	55.10	65.60	31.0%	84.0%	2016 01 01
15	QF - 98 - UT - Solar	21.50	25.60	30.8%	84.0%	2017 01 01
16	QF - 99 - UT - Solar	42.00	50.00	28.7%	84.0%	2016 01 01
17	QF - 100 - UT - Wind	16.40	80.00	39.3%	20.5%	2015 08 01
18	QF - 101 - UT - Solar	67.20	80.00	29.1%	84.0%	2017 01 01
Total Potential MW		749.35	1216.20			
Total Partial Displacement		866.43				

The partial displacement is shown below.

Displacement in Base Case				
Year	Displaced Resource	2013 IRP Resource Size	Displacement MW	Remaining MW
2015	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	98.0	0.7	97.3
	FOT - COB	247.0	0.0	247.0
	FOT - Mid-C	400.0	0.0	400.0
2016	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	221.0	221.0	0.0
	FOT - COB	262.0	262.0	0.0
	FOT - Mid-C	400.0	30.5	369.5
2017	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	305.0	305.0	0.0
	FOT - COB	297.0	297.0	0.0
	FOT - Mid-C	400.0	164.4	235.6
2018	FOT - Mona	37.0	37.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	297.0	0.0
	FOT - Mid-C	400.0	57.4	342.6
2019	FOT - Mona	151.0	151.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	240.4	56.6
	FOT - Mid-C	400.0	0.0	400.0
2020	FOT - Mona	248.0	248.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	143.4	153.6
	FOT - Mid-C	400.0	0.0	400.0
2021	FOT - Mona	19.0	19.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	297.0	0.0
	FOT - Mid-C	400.0	75.4	324.6

Displacement in Base Case - Continued				
Year	Displaced Resource	2013 IRP Resource Size	Displacement MW	Remaining MW
2022	FOT - Mona	161.0	161.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	230.4	66.6
	FOT - Mid-C	400.0	0.0	400.0
2023	FOT - Mona	255.0	255.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	136.4	160.6
	FOT - Mid-C	400.0	0.0	400.0
2024	2024 CCCT (423 MW "J" 1x1)	423.0	423.0	0.0
	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	343.4	31.6
	FOT - COB	237.0	0.0	237.0
	FOT - Mid-C	400.0	0.0	400.0
2025	2024 CCCT (423 MW "J" 1x1)	423.0	423.0	0.0
	FOT - Mona	132.0	132.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	211.4	163.6
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	400.0	0.0	400.0
2026	2024 CCCT (423 MW "J" 1x1)	423.0	423.0	0.0
	FOT - Mona	253.0	253.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	90.4	284.6
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	400.0	0.0	400.0
2027	2024 CCCT (423 MW "J" 1x1)	423.0	423.0	0.0
	FOT - Mona	297.0	297.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	46.4	328.6
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	400.0	0.0	400.0
2028	2028 CCCT (661 MW "F" 2x1)	661.0	443.4	217.6

FOT displacement in early years reflects the start date timing of when signed and potential resources are available.

Market FOTs are displaced based upon the year the FOT is available and from highest to lowest price. FOTs available in order of highest to lowest price are Mona, Nevada Oregon Border (NOB), Mid-Columbia with 10% price premium, California Oregon Border (COB), and Mid-Columbia.

Avoided Cost Case – A 100 MW 85% capacity factor (CF) avoided cost resource is added to the thermal resource queue.

QF Queue						
No.	QF	Partial Displacement	Name plate	CF	Capacity Contribution	Start Date
1	AG Hydro (Signed)	10.00	10.00	29.7%	100.0%	2015 01 01
2	Columbia Biogas (Signed)	3.00	3.00	45.7%	100.0%	2015 03 01
3	Dorena Hydro (Signed)	6.10	6.10	28.2%	100.0%	2013 08 15
4	EBD Hydro (Signed)	3.00	3.00	39.1%	100.0%	2014 04 01
5	OM Power I (Signed)	10.00	10.00	64.5%	100.0%	2013 11 02
6	TMF Biofuels (Signed)	4.80	4.80	88.5%	100.0%	2012 12 31
7	Utah Sch 37 Solar (Signed)	18.72	22.29	31.2%	84.0%	2015 05 30
8	Champlin Blue Mtn Wind (Sig	16.40	80.00	35.6%	20.5%	2015 11 30
9	Long Ridge Wind I (Signed)	16.38	79.90	34.3%	20.5%	2015 12 31
10	Long Ridge Wind II (Signed)	16.38	79.90	34.3%	20.5%	2015 12 31
11	Latigo Wind Park (Signed)	12.30	60.00	33.8%	20.5%	2015 05 01
Total Signed MW		117.08	358.99			
1	QF - 82 - UT - Wind	16.24	79.20	33.8%	20.5%	2015 10 01
2	QF - 84 - WY - Wind	16.40	80.00	40.7%	20.5%	2015 03 01
3	QF - 86 - OR - Wind	16.40	80.00	33.9%	20.5%	2015 01 01
4	QF - 87 - UT - Wind	11.07	54.00	35.9%	20.5%	2015 09 01
5	QF - 88 - OR - Solar	67.20	80.00	28.0%	84.0%	2017 01 01
6	QF - 89 - WY - Gas	97.00	97.00	85.0%	100.0%	2017 06 01
7	QF - 90 - UT - Solar	20.16	24.00	31.2%	84.0%	2015 07 31
8	QF - 91 - UT - Solar	67.20	80.00	30.7%	84.0%	2016 01 01
9	QF - 92 - UT - Solar	67.20	80.00	29.7%	84.0%	2016 01 01
10	QF - 93 - UT - Solar	67.20	80.00	29.7%	84.0%	2016 01 01
11	QF - 94 - UT - Wind	16.40	80.00	29.0%	20.5%	2016 01 01
12	QF - 95 - UT - Solar	42.34	50.40	31.7%	84.0%	2015 12 01
13	QF - 96 - UT - Solar	42.34	50.40	31.5%	84.0%	2016 01 01
14	QF - 97 - UT - Solar	55.10	65.60	31.0%	84.0%	2016 01 01
15	QF - 98 - UT - Solar	21.50	25.60	30.8%	84.0%	2017 01 01
16	QF - 99 - UT - Solar	42.00	50.00	28.7%	84.0%	2016 01 01
17	QF - 100 - UT - Wind	16.40	80.00	39.3%	20.5%	2015 08 01
18	QF - 101 - UT - Solar	67.20	80.00	29.1%	84.0%	2017 01 01
Total Potential MW		749.35	1216.20			
Total Partial Displacement		866.43				
19	Avoided Cost Resource	100.00	100.0	85.0%	100.0%	2014 01 01
Partial Displacement after QF		966.43				

The Table below shows the resources that are displaced for the Avoided Cost Case which includes the 100 MW 85% capacity factor avoided cost resource.

Displacement in Avoided Cost Case				
Year	Displaced Resource	2013 IRP Resource Size	Displacement MW	Remaining MW
2015	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	98.0	98.0	0.0
	FOT - COB	247.0	2.7	244.3
	FOT - Mid-C	400.0	0.0	400.0
2016	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	221.0	221.0	0.0
	FOT - COB	262.0	262.0	0.0
	FOT - Mid-C	400.0	130.5	269.5
2017	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	305.0	305.0	0.0
	FOT - COB	297.0	297.0	0.0
	FOT - Mid-C	400.0	264.4	135.6
2018	FOT - Mona	37.0	37.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	297.0	0.0
	FOT - Mid-C	400.0	157.4	242.6
2019	FOT - Mona	151.0	151.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	297.0	0.0
	FOT - Mid-C	400.0	43.4	356.6
2020	FOT - Mona	248.0	248.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	243.4	53.6
	FOT - Mid-C	400.0	0.0	400.0
2021	FOT - Mona	19.0	19.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	297.0	0.0
	FOT - Mid-C	400.0	175.4	224.6
2022	FOT - Mona	161.0	161.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	297.0	0.0
	FOT - Mid-C	400.0	33.4	366.6

Displacement in Avoided Cost Case - Continued				
2023	FOT - Mona	255.0	255.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	297.0	236.4	60.6
	FOT - Mid-C	400.0	0.0	400.0
2024	2024 CCCT (423 MW "J" 1x1)	423.0	423.0	0.0
	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	375.0	0.0
	FOT - COB	237.0	68.4	168.6
	FOT - Mid-C	400.0	0.0	400.0
2025	2024 CCCT (423 MW "J" 1x1)	423.0	423.0	0.0
	FOT - Mona	132.0	132.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	311.4	63.6
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	400.0	0.0	400.0
2026	2024 CCCT (423 MW "J" 1x1)	423.0	423.0	0.0
	FOT - Mona	253.0	253.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	190.4	184.6
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	400.0	0.0	400.0
2027	2024 CCCT (423 MW "J" 1x1)	423.0	423.0	0.0
	FOT - Mona	297.0	297.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - Mid-C +10%	375.0	146.4	228.6
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	400.0	0.0	400.0
2028	2028 CCCT (661 MW "F" 2x1)	661.0	543.4	117.6

FOT displacement in early years reflects the start date timing of when signed and potential resources are available.

Market FOTs are displaced based upon the year the FOT is available and from highest to lowest price. FOTs available in order of highest to lowest price are Mona, Nevada Oregon Border (NOB), Mid-Columbia with 10% price premium, California Oregon Border (COB), and Mid-Columbia.

IRP Partial Displacements (last filing)

Base Case - Thermal partial displacement is 245.0 MW. Listed below were the QFs that have executed a power purchase agreement or were actively negotiating for new power purchase agreement.

Queue	Partial Displacement Resources	Partial Displacement Capacity MW	Energy – Capacity Factor	Start Date
1	AG Hydro (Signed)	10.0	29.7%	2012
2	Dorena Hydro (Signed)	6.1	28.2%	2013
3	TMF Biofuels (Signed)	4.8	88.5%	2013
4	Columbia Biogas (Signed)	3.0	45.7%	2014
5	OM Power I (Signed)	10.0	64.5%	2013
6	EBD Hydro (Signed)	3.0	39.1%	2012
7	UT Sch 37 Solar (Signed) **	5.8	31.2%	2014
8	QF - 69 - WY - Wind *	34.0	42.4%	2014
9	QF - 70 - UT - Wind *	26.1	33.9%	2015
10	QF - 72 - UT - Solar **	10.4	29.8%	2017
11	QF - 73 - UT - Wind *	32.8	35.0%	2016
12	QF - 74 - UT - Wind *	32.8	35.0%	2016
13	QF - 76 - UT - Wind *	25.3	34.0%	2015
14	QF - 77 - UT - Wind *	14.9	32.3%	2015
15	QF - 82 - UT - Wind *	26.0	33.8%	2015
Displacement in Base Case MW		245.0 MW		

* Wind resources partially displace the proxy resource based upon the on-peak capacity factor as ordered in Docket No. 03-035-14 dated October 31, 2005.

** Solar resources partially displace the proxy resource based on an 11.5% capacity contribution for fixed solar arrays, and 25.9% for tracking arrays per the Company's capacity contribution study dated January 2012.

Market FOTs are displaced based upon the year the FOT is available and from highest to lowest price. FOTs available in order of highest to lowest price are Mona, Nevada Oregon Border (NOB), California Oregon Border (COB), and Mid-Columbia.

QFs partially displace FOT based upon the year and quarter that the QF goes online.

The partial displacement is shown below.

Displacement in Base Case				
Year	Displaced Resource	2013 IRP MW	Displacement MW	Remaining MW
2014	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	67.9	32.1
	FOT - COB	130.0	0.0	130.0
	FOT - Mid-C	479.0	0.0	479.0
2015	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	247.0	16.9	230.1
	FOT - Mid-C	498.0	0.0	498.0
2016	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	262.0	134.6	127.4
	FOT - Mid-C	621.0	0.0	621.0
2017	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	297.0	145.0	152.0
	FOT - Mid-C	705.0	0.0	705.0
2018	FOT - Mona	37.0	37.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	297.0	108.0	189.0
	FOT - Mid-C	775.0	0.0	775.0
2019	FOT - Mona	151.0	151.0	0.0
	FOT - NOB	100.0	94.0	6.0
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	775.0	0.0	775.0
2020	FOT - Mona	248.0	245.0	3.0
	FOT - NOB	100.0	0.0	100.0
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	775.0	0.0	775.0
2021	FOT - Mona	19.0	19.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	297.0	126.0	171.0
	FOT - Mid-C	775.0	0.0	775.0
2022	FOT - Mona	161.0	161.0	0.0
	FOT - NOB	100.0	84.0	16.0
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	775.0	0.0	775.0
2023	FOT - Mona	255.0	245.0	10.0
	FOT - NOB	100.0	0.0	100.0
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	775.0	0.0	775.0
2024	2025 CCCT (423 MW "J" 1x1)	423.0	245.0	178.0

FOT displacement in early years reflects the start date timing of when signed and potential resources are available.

Avoided Cost Case – A 100 MW 85% capacity factor (CF) avoided cost resource is added to the thermal resource queue.

Queue	Partial Displacement Resources	Partial Displacement Capacity MW	Energy – Capacity Factor	Start Date
1	AG Hydro (Signed)	10.0	29.7%	2012
2	Dorena Hydro (Signed)	6.1	28.2%	2013
3	TMF Biofuels (Signed)	4.8	88.5%	2013
4	Columbia Biogas (Signed)	3.0	45.7%	2014
5	OM Power I (Signed)	10.0	64.5%	2013
6	EBD Hydro (Signed)	3.0	39.1%	2012
7	UT Sch 37 Solar (Signed) **	5.8	31.2%	2014
8	QF - 69 - WY - Wind *	34.0	42.4%	2014
9	QF - 70 - UT - Wind *	26.1	33.9%	2015
10	QF - 72 - UT - Solar **	10.4	29.8%	2017
11	QF - 73 - UT - Wind *	32.8	35.0%	2016
12	QF - 74 - UT - Wind *	32.8	35.0%	2016
13	QF - 76 - UT - Wind *	25.3	34.0%	2015
14	QF - 77 - UT - Wind *	14.9	32.3%	2015
15	QF - 82 - UT - Wind *	26.0	33.8%	2015
16	Avoided Cost Resource	100.0	85.0%	2014
Displacement in Base Case MW		345.0 MW		

The Table below shows the resources that are displaced for the Avoided Cost Case which includes the 100 MW 85% capacity factor avoided cost resource.

Displacement in Avoided Cost Case				
Year	Displaced Resource	2013 IRP MW	Displacement MW	Remaining MW
2014	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	130.0	67.9	62.1
	FOT - Mid-C	479.0	0.0	479.0
2015	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	247.0	116.9	130.1
	FOT - Mid-C	498.0	0.0	498.0
2016	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	262.0	234.6	27.4
	FOT - Mid-C	621.0	0.0	621.0
2017	FOT - Mona	0.0	0.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	297.0	245.0	52.0
	FOT - Mid-C	705.0	0.0	705.0
2018	FOT - Mona	37.0	37.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	297.0	208.0	89.0
	FOT - Mid-C	775.0	0.0	775.0
2019	FOT - Mona	151.0	151.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	297.0	94.0	203.0
	FOT - Mid-C	775.0	0.0	775.0
2020	FOT - Mona	248.0	248.0	0.0
	FOT - NOB	100.0	97.0	3.0
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	775.0	0.0	775.0
2021	FOT - Mona	19.0	19.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	297.0	226.0	71.0
	FOT - Mid-C	775.0	0.0	775.0
2022	FOT - Mona	161.0	161.0	0.0
	FOT - NOB	100.0	100.0	0.0
	FOT - COB	297.0	84.0	213.0
	FOT - Mid-C	775.0	0.0	775.0
2023	FOT - Mona	255.0	255.0	0.0
	FOT - NOB	100.0	90.0	10.0
	FOT - COB	297.0	0.0	297.0
	FOT - Mid-C	775.0	0.0	775.0
2024	2025 CCCT (423 MW "J" 1x1)	423.0	345.0	78.0