Appendix A

PacifiCorp
Avoided Cost (GRID and Differential Revenue Requirement)
Model Updates through May 2010
Case No. 03-035-14

GRID Scenario Study Period

January 1, 2010 through December 31, 2029 (20-year study)
Avoided Cost prices starting in July 2010

Official Forward Price Curve (Gas and Market Prices)

Updated to PacifiCorp's March 2010 official forward price curve (0310 OFPC)

Short-Term Firm (STF) Transactions

STF transactions have been updated to include executed STF contracts as of May 2010; Extract 536

Inflation Rates

The Company updated inflation rates consistent with the Company's most recent inflation rate study dated March 2010

Market Capacity

48 Months ended December 2009

Load Forecast (Retail)

20-year load forecast dated March 2010

Fuel Prices (Coal)

2010 – Semi-Annual forecast dated March 2010
2011 – Oregon GRC Forecast dated January 2010
2012 through December 2019 – 10 Year forecast dated October 2009
Thereafter escalated at 2.5%
Incremental coal cost study dated – 2010 July 2009, 2011 & 2012 March 2010

Potential Environmental Costs

Costs included in incremental fuel costs for plant commitment and dispatch decisions starting in 2013
Costs are excluded from fuel costing and are excluded from avoided costs

Proxy Resource (Next Deferrable Resource)

2010 through 2011 – No deferrable resources are available
2012 through 2014 - Mona Third Quarter (Q3) High Load Hour (HLH)
Front Office Trade (FOT) - 2008 IRP Update Table ES.1
2015 and thereafter – 607 MW Combined Cycle Combustion Turbine (CCCT)
Wet "F" 2x1 - East Side Resource (4500') - 2008 IP Update Table ES.1

IRP Resources

IRP Resources transmission, thermal, DSM, front office trades (FOT) and wind resources - 2008 IRP Update Dated March 31, 2010.

IRP Partial Displacements (this filing)

Thermal and Market Purchase Resources

Base Case - thermal partial displacement was 26.0 MW. The potential thermal resource Scatec Solar has a proposed nameplate capacity of 40.0 MW and was modeled assuming to a 65% capacity contribution. The capacity contribution recognizes that the resource is intermittent in nature.

Queue	Thermal Resource	Capacity	Energy
1	Scatec Solar	26.0 MW	31.0%
Displacement in Base Case MW		**26.0 MW**	

Displacement in Base Case - 26.0 MW				
Year	**Displaced Resource**	**IRP Update**	**Displacement**	**Remaining MW**
2012	Market FOT – Mona 3Q	200	26.0	174.0
2013	Market FOT – Mona 3Q	300	26.0	274.0
2014	Market FOT – Mona 3Q	300	26.0	274.0
2015	Proxy Resource (see above)	607	26.0	581.0

The 2008 IRP Update does not have FOT in 2010 or 2011 and as such no deferrable resource is available for partial displacement during this period.

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

Queue	Thermal Resource	Capacity	Energy
1	Scatec Solar	26.0 MW	31.0%
2	Avoided Cost Resource	100.0 MW	85.0%
Displacement in Avoided Cost Case MW		**126.0 MW**	

Displacement in Avoided Cost Case - 126.0 MW				
Year	**Displaced Resource**	**IRP Update**	**Displacement**	**Remaining MW**
2012	Market FOT – Mona 3Q	200	126.0	74.0
2013	Market FOT – Mona 3Q	300	126.0	174.0
2014	Market FOT – Mona 3Q	300	126.0	174.0
2015	Proxy Resource (see above)	607	126.0	481.0

Wind Resources

A total of 887 MW of wind is included in the 2008 IRP Update by 2019 of which 427 MW is under construction or contract. The remaining 460 MW of planned wind resources is scheduled to be available starting in 2017 (Table ES.1). The Company has added potential wind QF resources which partially displace 223.1 MW of the 460 MW remaining total.

Potential QF Wind Resource		
Year	**Displaced Resource**	**MW**
2012	QF - Cedar Creek Wind I through V	126.5
2012	QF - Wasatch Wind Wyo I	48.3
2013	QF - Wasatch Wind Wyo II	48.3
Wind Resource Partial Displacement of IRP Wind		223.1

IRP Partial Displacements (last filing)

Thermal and Market Purchase Resources

In the Company's last filing for the Base Case, no potential QFs were included.

Queue	Thermal Resource	Capacity	Energy
1	No thermal resources were included	0.0 MW	
Displacement in Base Case MW		**0.0 MW**	

Displacement in Base Case - 0.0 MW				
Year	**Displaced Resource**	**2008 IRP**	**Displacement**	**Remaining MW**
2010	Market FOT – Mona 3Q	50	0.0	50
2011	Market FOT – Mona 3Q	150	0.0	150
2012	Market FOT – Mona 3Q	350	0.0	350
2013	Market FOT – Mona 3Q	443	0.0	443
2014	Proxy Resource (see above)	570	0.0	570

In the Company's last filing for the Avoided Cost Case the addition of a 100 MW 85% CF avoided cost resource increased the thermal resource queue from 0.0 MW to 100.0 MW.

Queue	Thermal Resource	Capacity	Energy
1	Avoided Cost Resource	100.0 MW	85%
Displacement in Avoided Cost Case MW		**100.0 MW**	

Displacement in Avoided Cost Case – 100.0 MW				
Year	**Displaced Resource**	**2008 IRP**	**Displacement**	**Remaining MW**
2010	Market FOT – Mona 3Q	50	50.0	0.0
2011	Market FOT – Mona 3Q	150	100.0	50.0
2012	Market FOT – Mona 3Q	350	100.0	250.0
2013	Market FOT – Mona 3Q	443	100.0	343.0
2014	Proxy Resource (see above)	571	100.0	471.0

The 2008 IRP has a total of 50 MW of FOT in 2010, all of which are Mona 3Q market purchases. Since the 100.0 MW displacement is greater than the total 50 MW of FOT resources available, no further displacements are made in 2010.

Wind Resources

In the Company's last filing, a total of 1,600 MW of wind is included in the 2008 IRP by 2021. Of this total, the Company added owned wind resources of 356.2 MW and has potential QF requests outstanding for an additional 196.6 MW.

Owned Wind Resource Partial Displacement of IRP Wind		
Year	**Displaced Resource**	**MW**
2009	McFadden Ridge Wind	28.5
2010	Chevron Wind QF	16.5
2011	Top of the World Wind p575862	200.2
2011	Dunlap I Wind	111.0
Owned Wind Resource Partial Displacement of IRP Wind		356.2

Potential QF Wind Resource		
Year	**Displaced Resource**	**MW**
2011	QF - Bridger Butte Wind	50.0
2012	QF - Teton Wind	50.0
2012	QF - Wasatch Wind Wyo I	48.3
2013	QF - Wasatch Wind Wyo II	48.3
Wind Resource Partial Displacement of IRP Wind		196.6

Potential wind resources listed in the 2008 IRP as Duke Energy (Three Buttes) and High Plains are included as Company owned wind resources and a potential wind resource listed as Wind PPA is included as Oregon Wind Farm.

Size of the Avoided Cost Resource

The avoided cost resource is assumed to be a 100 MW 85% CF thermal resource. The size of the avoided cost resource has not been changed.

Topology

This item remain unchanged from the prior filing

Transmission (Firm Transmission Rights)

IRP transmission levels have been updated to be consistent with Energy Gateway construction progress and updated expected completion dates as listed in 2008 IRP Update Table 2.2.

Other transmission was updated to reflect current firm transmission rights

Transmission (Non-Firm and Short Term Firm)

Non-firm transmission - 48 months ended December 2009

Short term firm transmission – 48 months ended December 2009

Thermal Resources

Coal and gas plant turbine upgrades were updated to be consistent with the 2008 IRP Update by removing some upgrades and deferring others. The 2008 IRP Preferred Portfolio included 169.9 megawatts of upgrades, whereas the 2008 IRP Update includes 135.2 megawatts (Table 5.5). Effective Outage Rates (EOR) have been updated to reflect more current information.

Long-Term Contracts

Long-term contracts which have prices that are indexed to market were updated to be consistent with the March 2010 Official Forward Price Curve (0310 OFPC).

Modeling updates include changes to APS Supplemental, BioMass, BPA Southern Idaho Exchange, Cowlitz Swift delivery, Dunlap I Wind, MagCorp Curtailment, Monsanto Curtailment, Pacific Gas and Electric, Southern California Edison (SCE), Top of the World Wind, San Diego Gas & Electric (SDGE) and SMUD. New Contracts include Chehalis Station Service and Threemile Canyon Wind QF.

Discount Rate

7.17% which is consistent with the Company's most recent discount rate dated March 2010. This assumption has not changed from the last filing.