

2010-2011
Washington
Conservation Report

Appendix 1

NEEA Memorandum
of 2010-2011 Final Savings

Pacific Power

Memorandum



May 8, 2012

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CC: Jeff Harris, NEEA Director of Emerging Technologies; Susan Hermenet, NEEA Senior Manager of Market Operations Planning

SUBJECT: 2010-2011 Final Savings Report—Pacific Power

This memo summarizes Pacific Power’s 2010 and 2011 savings estimates relative to its targets. NEEA bases the targets on a report it provided Pacific Power in April 2010. The current estimates apply the same baseline assumptions as those NEEA used to set the targets. The following sections summarize the savings variance from the targets and explain the methodology of calculating the savings.

Variance from Targets set in April 2010

NEEA estimates that Pacific Power reached its Net Market Effects targets for NEEA’s 2010 and 2011 savings as well as its Total Regional Savings target for 2010. However, Pacific Power fell just short of reaching its Total Regional Savings target for 2011. Table 1 shows the results.

Table 1: aMW Savings Estimate versus the Target for Pacific Power Washington

	Total Regional Savings		Net Market Effects	
	Current	Target	Current	Target
2010	3.2	3.1	1.2	1.1
2011	3.1	3.5	1.3	1.3

The savings are for Pacific Power only. The Target is based on Pacific Power Washington’s funder share using the April 2010 NEEA Savings Report.

Variance from March 2012 Savings Estimates

NEEA provided Pacific Power on March 15, 2012 an estimate of the 2010 and 2011 savings. The report used preliminary estimates for CFL bulb sales. NEEA has since updated the sales. The 2010 CFL sales estimate decreased from 20.2 million to 18.7 million. The 2011 sales estimate increased

from 13.4 million to 15.9 million. The changes came from further analysis of 2011 sales data NEEA collected from Wal-Mart. The overall effect is a lower energy savings estimate for 2010 and a higher savings estimate for 2011.

Methodology

At Pacific Power’s request, NEEA uses fixed baseline assumptions from April 2010. The baseline assumptions match the same assumptions that Pacific Power used to set its targets for NEEA savings. In order to compare the savings with the targets, NEEA holds the savings rate and Naturally Occurring Baseline assumptions fixed.

- NEEA uses the same savings rate baseline and technical assumptions (such as hours of use) that it used in April 2010.
- NEEA applies the same Naturally Occurring Baseline Market Share forecast as in its April 2010 report. NEEA uses this forecast to estimate the savings that would have occurred without a NEEA or local program (Net Market Effects).
- NEEA allocates the savings to Pacific Power based on its funder share. Pacific Power receives the “current funding cycle” share in Table 3 for savings from currently funded work. It receives the “previous funding cycle” share for previously funded initiatives such as the Residential Lighting Initiative.

Table 2: PacifiCorp’s Funder Share

	Pacific Power	Rocky Mountain Power
Current Funding Cycle	3.04%	0.00%
Previous Funding Cycle	2.56%	1.29%

The enclosed spreadsheet shows Pacific Power’s savings by initiative.

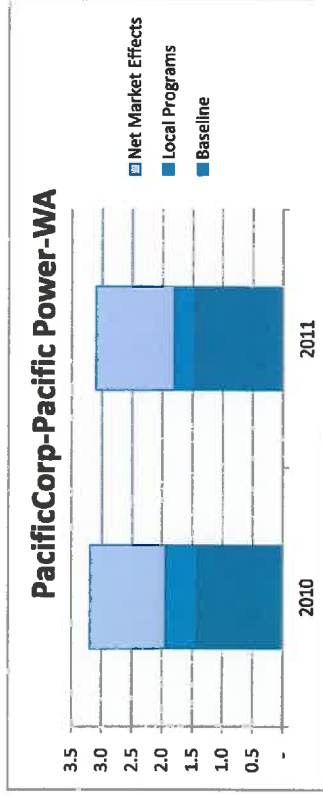
PacificCorp-Pacific Power-WA:

Site-based Electric Energy Savings from NEEA Initiatives

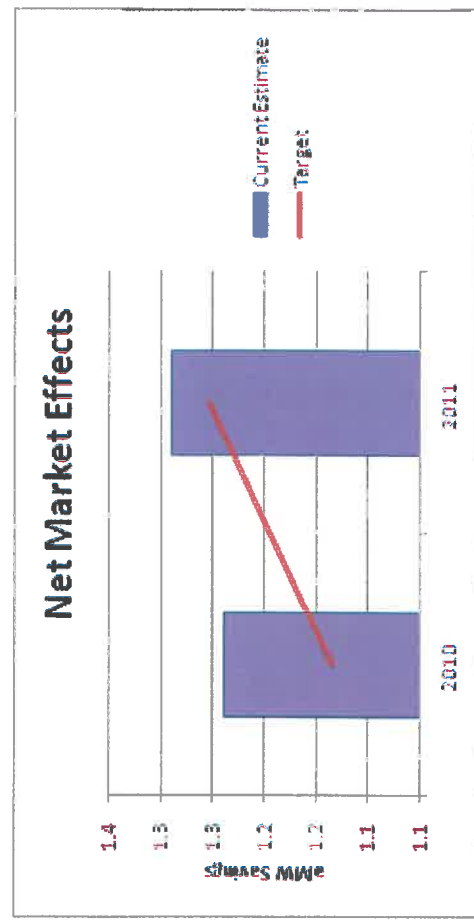
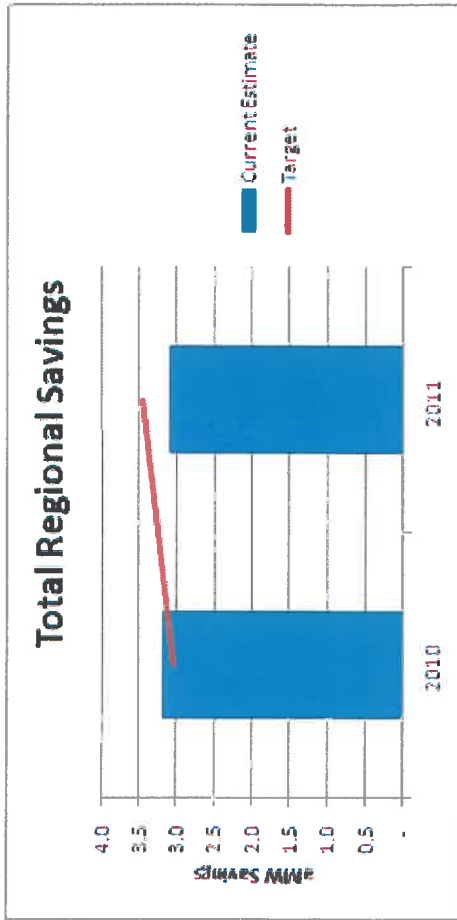
Summary

Report Criteria Selection	
Funder	PacificCorp-Pacific Power-WA
Funding Cycle	Current and Previous
Baseline	
The baseline is held constant. These factors come from the assumptions NEEA used in its 2010 and 2010 forecast sent to Pacific Power in April 2010.	
Allocation Method	
Funder Share: NEEA uses the funder's allocation share and applies it to the regional savings	
Current Funding Cycle (2010-2014)	3.04%
Previous Funding Cycle (Pre 2010)	2.56%
Units: Site-based Savings Reports in average megawatts	

PacificCorp-Pacific Power-WA		
	2010	2011
Total	3.19	3.10
Baseline	1.43	1.47
Local Programs	0.52	0.34
Net Market Effects	1.24	1.29



Summary of Savings Versus the Target



PacificCorp-Pacific Power-WA

	Total Regional Savings		Net Market Effects	
	Current	Target	Current	Target
2010	3.2	3.1	1.2	1.1
2011	3.1	3.5	1.3	1.3

1.13528034

1.25972

2010	Savings By Initiative	
PacificCorp-Pacific Power-WA	NEEA Savings Report	
Initiative	Total Regional Savings (aMW)	Net Market Effects (aMW)
Total	3.19	1.24
Residential	2.43	0.71
Efficient Homes	0.02	0.00
Clothes Washers	0.19	0.06
Dishwashers	0.05	0.02
Ductless Heat Pumps	0.08	0.01
Heat Pump Water Heaters	-	-
Other Residential Standards (clothes Washers)	0.33	0.03
Refrigerators	0.05	0.00
Residential Codes	0.03	0.02
Residential Lighting	1.10	0.25
Televisions	0.53	0.30
Windows	0.05	0.02
Commercial	0.51	0.41
Building Operations	0.01	-
Building Operator Certification	0.05	0.03
Commercial Codes	0.08	0.05
Commercial Desktops	0.29	0.27
Commercial Lighting Solutions	-	-
Commercial New Construction	0.02	0.01
Commercial Real Estate	0.04	0.04
Commercial Standards	-	-
Commissioning	0.01	0.01
Existing Building Renewal	-	-
Healthcare	0.01	0.01
Industrial	0.25	0.12
Agriculture	0.00	0.00
BacGen	-	-
Drive Power	0.13	0.08
Evaporative Fan	0.02	-
Food Processors	0.08	0.03
Magna Drive	0.01	0.01
Pneu-Logic	0.00	0.00
Small/Medium Industrial	-	-
Verdiem	0.01	0.00

2011	Savings By Initiative	
PacificCorp-Pacific Power-WA	NEEA Savings Report	
<i>Initiative</i>	Total Regional Savings (aMW)	Net Market Effects (aMW)
Total	3.10	1.29
Residential	2.22	0.67
Efficient Homes	0.01	-
Clothes Washers	0.19	0.06
Dishwashers	0.04	0.02
Ductless Heat Pumps	0.07	0.02
Heat Pump Water Heaters	-	-
Other Residential Standards (clothes Washers)	0.30	0.02
Refrigerators	0.04	0.00
Residential Codes	0.05	0.04
Residential Lighting	0.58	0.04
Televisions	0.86	0.45
Windows	0.06	0.03
Commercial	0.61	0.48
Building Operations	-	-
Building Operator Certification	0.01	0.00
Commercial Codes	0.07	0.04
Commercial Desktops	0.34	0.32
Commercial Lighting Solutions	0.00	-
Commercial New Construction	-	-
Commercial Real Estate	0.14	0.11
Commercial Standards	-	-
Commissioning	(0.00)	(0.00)
Existing Building Renewal	-	-
Healthcare	0.05	0.00
Industrial	0.27	0.14
Agriculture	0.00	0.00
BacGen	0.00	-
Drive Power	0.13	0.09
Evaporative Fan	0.03	-
Food Processors	0.11	0.05
Magna Drive	-	-
Pneu-Logic	0.00	-
Small/Medium Industrial	-	-
Verdiem	-	-

PacificCorp-Pacific Power-WA Site-based Electric Energy Savings from NEEA Initiatives

PacificCorp-Pacific Power-WA Funder Allocation

Pulled on: 5/1/2012

Category	Measures	Initiative Life Cycle Phase (see key below)	NEEA Savings Report									
			NEEA Total Regional Savings		NEEA Estimate of Local Programs		NEEA Estimate of Naturally Occurring Baseline		Net Market Effects			
			2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
All NEEA Initiatives			3.2	3.1	0.5	0.3	1.4	1.5	1.2	1.3		
Efficient Homes	Efficient Homes	Implementation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
	Energy Codes (sf)-ID IECC 2006	Implementation	0.0	0.0	-	-	-	-	-	-	0.0	0.00
	Energy Codes (sf)-MT IECC 2003 w/amend.	Implementation	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.00
	Energy Codes (sf)-OR ORSC 2008	Implementation	0.0	0.0	-	-	-	-	-	-	0.0	0.01
	Energy Codes (sf)-WA WSEC 2006	Implementation	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.00
	Energy Codes (sf)-ID IECC 2009	Implementation	-	0.0	-	-	-	0.0	-	-	-	0.00
	Energy Codes (sf)-MT IECC 2009 w/amend.	Implementation	-	0.0	-	-	-	0.0	-	-	-	0.00
Televisions	Energy Codes (sf)-OR ORSC 2011	Implementation	-	-	-	-	-	-	-	-	-	-
	Energy Codes (sf)-WA WSEC 2009	Implementation	-	0.0	-	-	-	-	-	-	-	0.01
Heat Pump Water Heaters	ENERGY STAR 3.0+20% and above	Implementation	0.5	0.9	-	-	0.2	0.4	0.3	0.45	-	-
	Heat Pump Water Heaters	Assessment	-	-	-	-	-	-	-	-	-	-
Ductless Heat Pumps	Zonal Single Family Homes	Implementation	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.02
	Forced Air Furnace Single Family	Implementation	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
	Other Residential Codes-ID IECC 2006	Implementation	0.0	0.00	-	-	-	-	-	-	0.0	0.00
Multifamily Codes	Other Residential Codes-MT IECC 2003 w/amend.	Implementation	0.0	0.00	-	-	0.0	0.0	0.0	0.0	0.0	0.00
	Other Residential Codes-OR ORSC 2008	Implementation	0.0	0.00	-	-	-	-	-	-	0.0	0.00
	Other Residential Codes-WA WSEC 2006	Implementation	0.0	0.01	-	-	0.0	0.0	0.0	0.0	0.0	0.01
	Other Residential Codes-ID IECC 2009	Implementation	-	0.00	-	-	-	0.0	-	-	-	0.00
	Other Residential Codes-MT IECC 2009 w/amend.	Implementation	-	0.00	-	-	-	0.0	-	-	-	0.00
Residential Lighting	Other Residential Codes-OR ORSC 2011	Implementation	-	-	-	-	-	-	-	-	-	-
	Lighting - General	Implementation	0.6	0.1	0.2	0.0	0.3	0.1	0.1	0.1	0.01	0.01
	Lighting - Specialty	Transition Complete	0.5	0.4	0.2	0.1	0.2	0.3	0.1	0.1	0.03	0.03
	Lighting - Fixtures	Transition Complete	-	-	-	-	-	-	-	-	-	-
	Dishwashers	Transition Complete	0.1	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.02
White Goods	Refrigerator	Transition Complete	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.00
	Clothes Washers Above Standards	Transition Complete	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.06	0.06
	Clothes Washers Standards	Transition Complete	0.3	0.3	-	-	0.3	0.3	0.3	0.0	0.02	0.02
Windows	Windows U-value 0.35	Transition Complete	0.1	0.1	-	-	0.0	0.0	0.0	0.0	0.0	0.03
	Other Residential Standards (2010-2014)	Transition Complete	-	-	-	-	-	-	-	-	-	-
Total Residential			2.4	2.2	0.4	0.2	1.3	1.3	0.7	0.7	0.7	0.7
Existing Building Renewal			-	-	-	-	-	-	-	-	-	-
Concept Development			-	-	-	-	-	-	-	-	-	-

Category	Measures	Initiative Life Cycle Phase (see key below)	NEEA Savings Report									
			NEEA Total Regional Savings		NEEA Estimate of Local Programs		NEEA Estimate of Naturally Occurring Baseline		Net Market Effects			
			2010	2011	2010	2011	2010	2011	2010	2011		
Commercial Buildings	Commercial Lighting Solutions	Concept Development	-	0.0	-	0.0	-	-	-	-	-	
	Building Operations	Transition Complete	0.0	-	0.0	-	0.0	-	-	-	-	
	Building Operator Certification	Strategy Development	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	
	Commissioning	Transition Complete	0.0	(0.0)	-	(0.0)	-	(0.0)	0.0	0.0	(0.0)	
	Commercial Real Estate	Transition Complete	0.0	0.1	-	0.0	-	0.0	0.0	0.0	0.1	
	Healthcare	Transition Complete	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	
	Commercial New Construction	Transition Complete	0.0	-	0.0	-	-	-	0.0	-	-	
	80 Plus	Transition Complete	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	
	ENERGY Star 5.0	Transition Complete	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	
	Verdiem	Transition Complete	0.0	-	0.0	-	-	-	-	-	-	
Business IT	Verdiem Network Energy Management	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	ID (2000 IECC, 2003 IECC)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	MT (2003 IECC w/amend)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	OR (2004 OSSC)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	WA (2000 WSEC, emergency changes)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	WA (2004 WSEC)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	ID (2006 IECC)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	OR (2007 OSSC)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	WA (2006 WSEC)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	ID (2009 IECC)	Implementation	-	0.0	-	-	-	-	-	-	0.0	
Commercial Codes	MT (2009 IECC w/amend)	Implementation	-	0.0	-	-	-	-	-	-	0.0	
	OR (2009 OEESC)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	WA (2010 WSEC)	Implementation	0.0	0.0	-	-	-	-	0.0	0.0	0.0	
	Other Commercial Standards	Implementation	-	-	-	-	-	-	-	-	-	
	Total Commercial		0.5	0.6	0.1	0.1	0.1	0.1	0.0	0.4	0.5	
	Small/Medium Industrial	Small/Medium Industrial	Assessment	-	-	-	-	-	-	-	-	-
		Food Processors	Implementation	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
		Drive Power Motors	Transition Complete	0.1	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0
		Drive Power Standards	Transition Complete	-	0.1	-	0.0	-	0.0	-	-	0.0
		Drive Power Rewinds	Transition Complete	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
MagnaDrive		Transition Complete	0.0	-	-	-	-	-	-	0.0	-	
Evaporative Fan Variable Frequency Drive		Transition Complete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	
BacGen		Transition Complete	-	0.0	-	0.0	-	0.0	-	-	-	
Pneu-Logic (SAV-AIR)		Transition Complete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	
Total Industrial			0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Agriculture	Transition Complete	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0		
Total Agriculture		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		