

# Southwest Regional Energy Efficiency Workshop

November 2013



*Let's turn the answers on.*

# Today's Agenda

- PacifiCorp and SW Region States (UT/WY)
- 2013 and 2014 Forecasted Performance
- 2014 Action Plan
- Feature on “Energy Management Services”
- Questions
- Contact Information

# PacifiCorp



- **PacifiCorp**
  - Rocky Mountain Power (retail operations)
  - Pacific Power (retail operations)
  - PacifiCorp Energy (energy supply)
- **1.8m Customers across six states**
- **Joined MEHC businesses in 2006**
  - MidAmerican Energy, Renewables and Transmission, Northern Powergrid, CalEnergy Philippines, Kern River Gas Transmission Company and Northern Natural Gas
  - And coming soon - NV Energy
- **SW Region – Utah and Wyoming**
  - 52% Customers Served
  - 58% of PacifiCorp's Energy served in 2013 and expected to grow to 61% by 2022
  - 49% of PacifiCorp EE acquisitions in 2012 and expected to contribute 60% by 2022

# Projected Load Growth

- Forecasted Annual Load Growth, 2013 through 2022 (Megawatt-hours)

Year	Total	OR	WA	CA	UT	WY	ID	SE-ID
2013	61,556,386	14,877,800	4,453,504	903,816	25,153,750	10,190,043	3,740,820	2,236,653
2014	62,698,447	15,150,179	4,479,048	905,134	25,718,951	10,408,489	3,779,427	2,257,219
2015	63,527,998	15,371,114	4,510,405	908,752	26,010,382	10,626,524	3,819,927	2,280,894
2016	63,431,505	15,638,182	4,561,495	916,004	26,478,252	10,856,135	3,868,348	1,113,089
2017	63,246,311	15,821,900	4,587,861	918,237	27,010,019	11,012,432	3,895,861	
2018	64,219,328	16,003,367	4,630,207	923,755	27,542,259	11,188,259	3,931,482	
2019	65,183,187	16,181,469	4,672,594	928,941	28,073,752	11,360,999	3,965,432	
2020	66,226,672	16,377,833	4,722,544	935,083	28,622,538	11,563,805	4,004,870	
2021	66,917,769	16,491,188	4,746,086	935,580	29,021,169	11,698,580	4,025,165	
2022	67,814,244	16,652,789	4,784,841	938,914	29,514,597	11,866,488	4,056,614	
Average Annual Growth Rate for 2013-2022								
2013-2022	1.08%	1.26%	0.80%	0.42%	1.79%	1.71%	0.90%	

- Forecasted Annual Coincident Peak Load (Megawatts)

Year	Total	OR	WA	CA	UT	WY	ID	SE-ID
2013	10,135	2,329	743	143	4,632	1,277	685	327
2014	10,331	2,377	752	140	4,745	1,302	684	331
2015	10,494	2,408	758	141	4,826	1,326	701	334
2016	10,359	2,457	765	143	4,930	1,349	714	
2017	10,513	2,492	772	144	5,014	1,371	721	
2018	10,687	2,522	803	145	5,100	1,390	727	
2019	10,815	2,547	786	146	5,194	1,410	732	
2020	10,972	2,576	795	144	5,290	1,429	737	
2021	11,133	2,604	801	145	5,387	1,448	748	
2022	11,280	2,631	807	146	5,475	1,467	754	
Average Annual Growth Rate for 2013-2022								
2013-2022	1.20%	1.36%	0.92%	0.23%	1.88%	1.56%	1.07%	

# SW Rocky Mountain Power

## Rocky Mountain Power

Utah/Wyoming

	<i>Forecasts</i>			
	2013		2014	
	MWh	Expenditures	MWh	Expenditures
<b>Energy Efficiency</b>				
Low Income Weatherization	640	\$172,467	600	\$242,200
Residential Programs	132,000	\$24,228,280	129,000	\$22,611,487
Business Programs	122,000	\$18,391,642	128,000	\$17,529,993
<b>Total</b>	<b>254,640</b>	<b>\$42,792,389</b>	<b>257,600</b>	<b>\$40,383,680</b>
<b>Load Management</b>	<b>Mw</b>	<b>Expenditures</b>	<b>Mw</b>	<b>Expenditures</b>
Residential	108	\$16,322,538	109	\$22,669,582
Irrigation	16	\$872,372	38	\$1,310,000
<b>Total</b>	<b>124</b>	<b>\$17,194,910</b>	<b>147</b>	<b>\$23,979,582</b>
<b>Other Costs</b>		\$2,165,370		\$3,563,798
<b>Total Costs</b>		<b>\$62,152,669</b>		<b>\$67,927,060</b>
2014 Forecast excludes current program expansion and new program work under-development				

# 2014 Action Plan

- Res. and Sm. Com. direct install/distribution programs
- Possible expansion of Behavioral Program – Home Energy Reports
- Transition res A/C program network/grow irrigation program
- Consolidate and expanded business sector platform
  - Four tariffs/offerings into one – **watt**smart business
  - Simplify delivery processes , reduce “which program” confusion
  - Utah effective in July 2013, Wyoming to be filed by year-end
  - **watt**smart business incentive and service enhancements
    - Adjust incentive from \$.12 kwh/\$50 kw to flat \$.15 kwh, project cap 50-70%
    - Paid project commissioning (remove 20% incentive and savings risk)
    - Added Energy Project Manager (EPM) co-funding
    - Made self-direction credit program an incentive option, upfront/over time
    - **Adding “Energy Management Services”**

# Energy Management Services

Recommissioning	Industrial Recommissioning	Persistent Commissioning	Strategic Energy Management
3-6 mo. commitment	3-9 mo. commitment	6-12 mo. commitment	18-24 mo. commitment
Single System i.e. Chilled Water Loop, HVAC	Systems i.e. Compressed Air or Refrigeration	Whole Building i	Whole Facility
“Find and Fix” Correct Op. Schedules Repair Economizers Tune Set Points	“Track Baseline and Tune-Up Systems Operations” Repair Leaks Reduce Sys. Pressure Adjust Op. Schedule	“Data Driven” Whole Building Target Comprehensive Improvements Over Time	“Data Driven” Internal Energy Mgr Comprehensive Two Partic. Options Cohort – schools, waste water, etc. One-on-One

# Energy Management Services - Utah

Recommissioning	Industrial Commissioning	Persistent Commissioning	Strategic Energy Management
Single System	Systems	Whole Building	Whole Facility
Grocery Chain with 5 Stores participating Building Controls – lighting, refrigeration and HVAC  Single Customer	One Customer	None	Hospital Cohort (1)  Compressed Air Cohort (6)  School Dist. 1 on 1  4 other customers moving on 1-on-1



# Questions



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# Contact Information

Jeff Bumgarner

Director, Demand Side Management

PacifiCorp/Rocky Mountain Power/Pacific Power

825 NE Multnomah Blvd. Suite 600

Portland, Oregon 97232

503-813-5161

Jeff.Bumgarner@PacifiCorp.com