

WHAT WE CALCULATED

The 2013 data collected allows us to review regional cost data by sector, end-use, measure category and technology. We have identified total and utility specific costs for:



FIRST-YEAR SAVINGS ACQUISITION COSTS



SIMPLIFIED LEVELIZED COSTS

UTILITY COSTS BY SECTOR

TOTAL COSTS BY SECTOR

	 \$M/aMW \$/kWh	 \$/kWh	 \$M/aMW \$/kWh	 \$/kWh
	\$2.46 \$0.28	\$0.029	\$4.77 \$0.54	\$0.056
	\$1.85 \$0.21	\$0.025	\$4.02 \$0.46	\$0.054
	\$1.41 \$0.16	\$0.021	\$2.45 \$0.28	\$0.036
	\$0.85 \$0.10	\$0.013	\$2.28 \$0.26	\$0.035
PORTFOLIO AVERAGE	\$1.86 \$0.21	\$0.024	\$3.77 \$0.43	\$0.049

OUR FORMULA

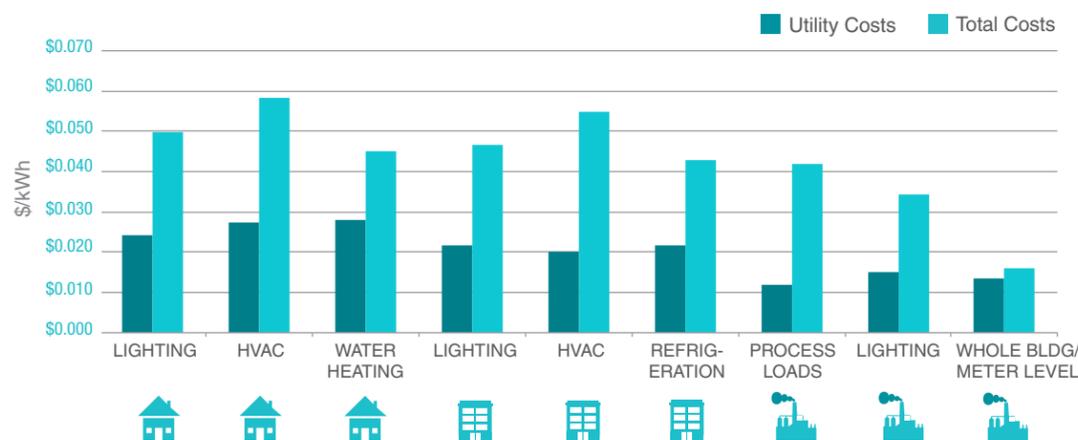
UTILITY COST
Incentive + Administrative*

TOTAL COST
Incremental + Administrative*



*Administrative Costs were determined by total utility expense minus incentives.

SIMPLIFIED LEVELIZED COSTS OF SELECT END-USES



OUR NEXT STEPS



REVIEW 7TH PLAN SUPPLY CURVES

to provide the Northwest Power and Conservation Council with another layer of review.



DEVELOP COMPREHENSIVE WORKBOOK TOOL

to summarize all of the supply curve data and make it available to the region in one easy to access place.

WHAT YOU CAN DO

1. Download Six Going on Seven database and workbook (mid April)
2. Provide feedback, suggestions and questions
3. Look for 7th Power Plan Summary Workbook Tool (summer)



AVAILABLE ONLINE
www.bpa.gov/goto/SixGoingOnSeven

QUESTIONS & COMMENTS?

For more information, please contact the project manager [Danielle Walker](mailto:Danielle.Walker@bpa.gov). 503.230.7314 | dngidding@bpa.gov

SIX GOING ON SEVEN

Data Aggregation and Analysis of 2010-2013 Regional Efficiency Achievements

To better understand the region's 6th Power Plan achievements and its corresponding cost at a level of detail never seen before, BPA partnered with public power, investor-owned utilities and the Northwest Power and Conservation Council to aggregate and analyze regional savings and cost data. The project findings have been used to support the development of the 7th Power Plan, as well as provide the region with an in-depth look at **first-year acquisition** and **simplified levelized costs** associated with our achievements.

WHAT WE'VE LEARNED

1. **WHAT WAS ACHIEVED**
2. **HOW IT WAS ACHIEVED**
3. **ACQUISITION PROGRESS**
4. **COSTS OF ENERGY EFFICIENCY**

OUR APPROACH

A six-step process was used



DATA GATHERING

97 percent of the region (based on power sales) submitted sector, end-use, and technology specific achievement data for 2010-2013.



DATA CLEANING

We applied consistent formatting to all utility data sets and removed unnecessary items. No adjustments to savings were made.



DATA MAPPING

We mapped all utility data to common end-uses and some specific measure categories to make aggregation possible.



DATABASE DEVELOPMENT

The mapped data were loaded into an Microsoft Access database tool that links to Excel for easy reporting.



DATA ANALYSIS

Our data analysis process aggregated the data in a way that made it possible to compare it to the 6th Power Plan at a variety of levels.



MARKET RESEARCH

We spoke with 71 percent of the region (based on load) to learn about their experience achieving savings to help us interpret the data analysis results.



DATA GATHERING

97 percent of the region (based on power sales and excluding NEEA) submitted costs for incentives, incremental and project costs, units, and measure lives incurred in 2013.



PROXY DEVELOPMENT

We developed proxies for missing cost, incentive and measure life data and calculated an average \$/kWh administrative cost using RCP data.



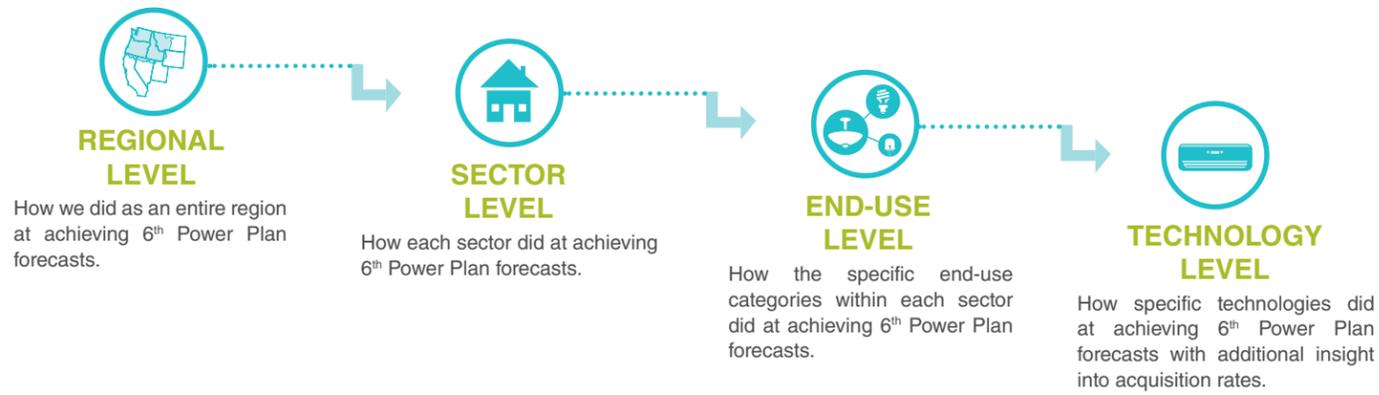
OUR FINDINGS DATABASE TOOL IS AVAILABLE ONLINE:

www.bpa.gov/goto/SixGoingOnSeven

Compare your achievements by sector, end-use or specific technology against the region.



THE DIFFERENT LEVELS IN WHICH WE COMPARED REGIONAL ACHIEVEMENTS AGAINST THE 6TH POWER PLAN FORECASTS*

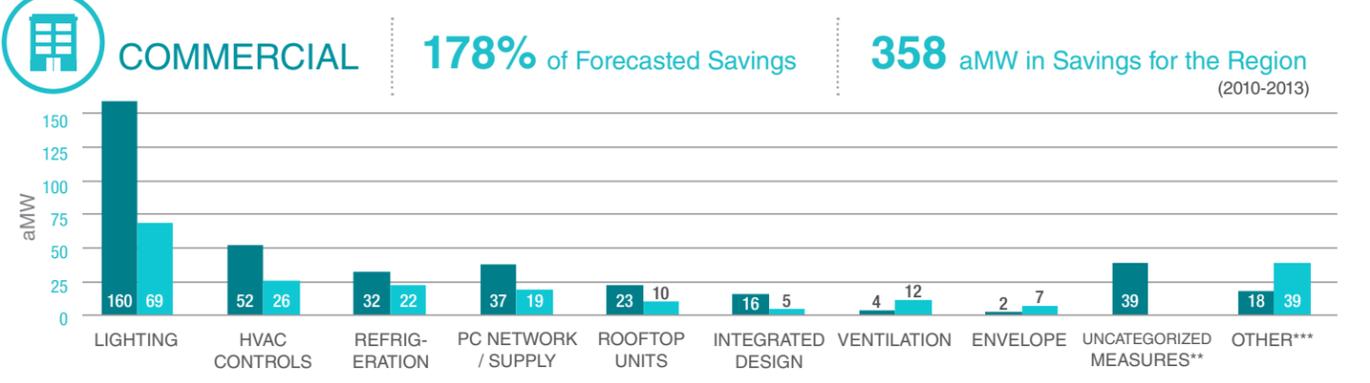
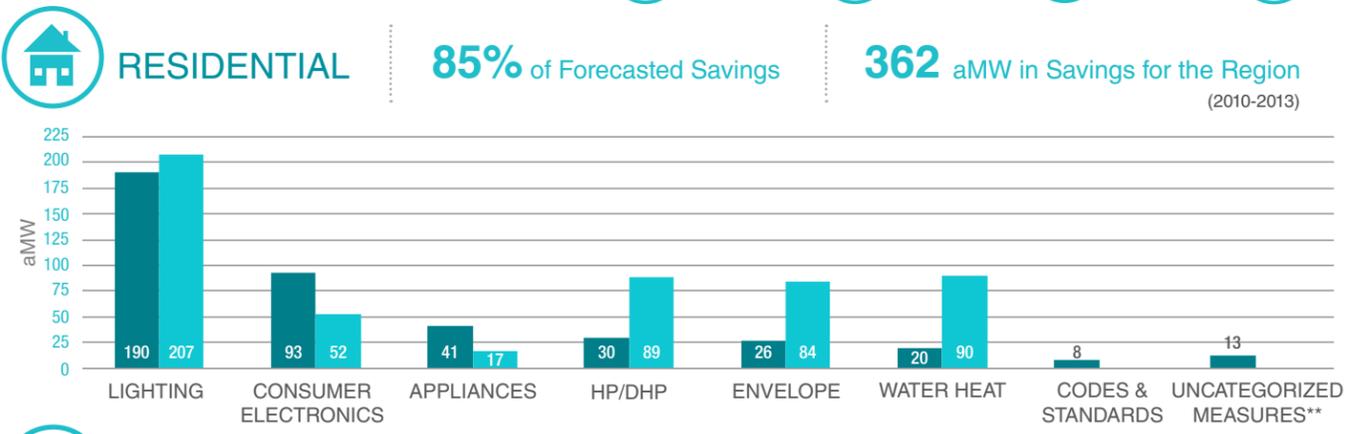


*The total sector 6th Plan forecasts used to estimate the % of forecasted savings are based on the Utility Target Calculator (www.nwccouncil.org/energy/powerplan/6/assessmentmethodology/), while the 6th Plan forecasts for each end-use are based on the Utility Potential Calculator (www.bpa.gov/energy/n/utilities_potential.cfm).

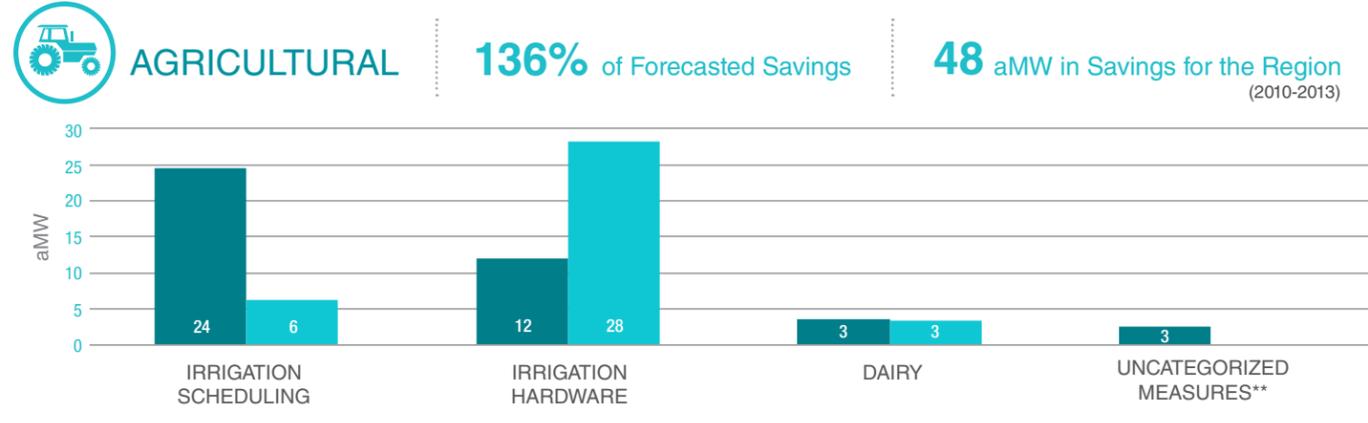
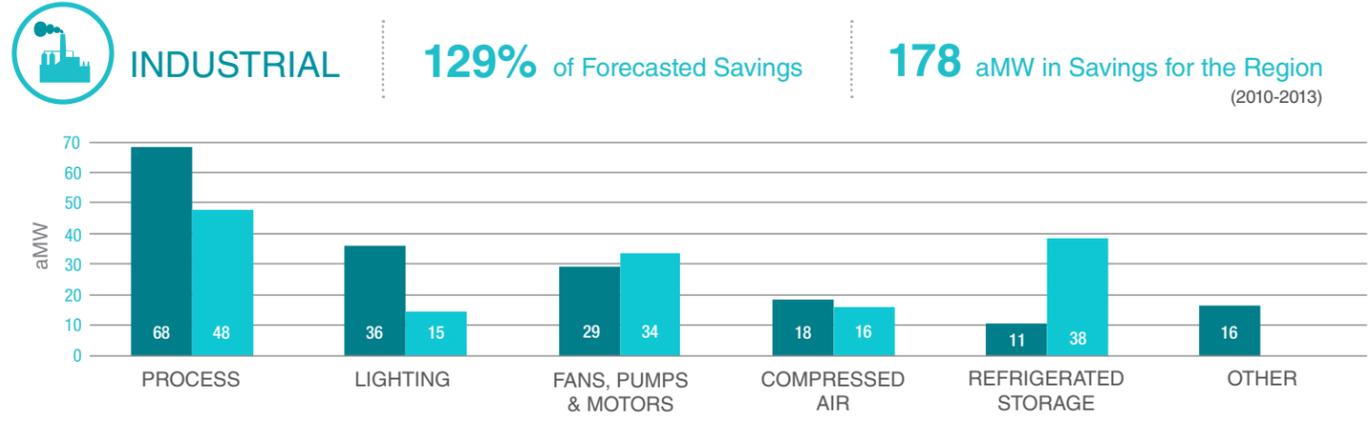
WHAT WE FOUND



END-USE ACHIEVEMENTS



**Uncategorized Measures: measures that were present in the utility data that could not be mapped to the 6th Power Plan.
***Other Includes: Codes & Standards, Food Service, Exterior Lighting, Traffic, Chillers, Water Heat, Ventilation and Waste Water.



INDIVIDUAL TECHNOLOGY ACHIEVEMENTS

