

PC Data Request 15

Re: Pacific Power's Low-Income, Conservation, and Energy Efficiency Programs

Please provide a description of the following programs sponsored by the Company including the data requested below for 2014-2016, on both a budgeted and actual basis. If 2016 data is not yet available for the full year, please provide it in part now and the remaining data when it is all available. In addition to any reference to the Company's tariff, if any, please also identify the sources of revenue and cost allocation mechanism relied upon to fund each program:

- a. Low-Income Assistance Program
 - i. Total dollar amount of funding provided for the last three years (2014-2016).
- b. Conservation Program
 - i. Total dollar amount by rate class on a both a budgeted basis and an actual basis for last three years (2014-2016).
 - ii. Total Savings in kWh achieved by rate class on both a budgeted basis and an actual basis for the last three years (2014-2016).
- c. Energy Efficiency Program.
 - i. Total dollar amount by rate class on a both a budgeted basis and an actual basis for last three years (2014-2016).
 - ii. Total Savings in kWh achieved by rate class on both a budgeted basis and an actual basis for the last three years (2014-2016).

Response to PC Data Request 15

- a. The Company offers the Low Income Bill Assistance (LIBA) program to income eligible customers through Schedule 17. Participants receive a discount on their monthly bills during the heating months of November through April. The total credits applied to customer billings through Schedule 17 annually are as follows:

2014: \$1,535,376
2015: \$1,414,385
2016: \$1,265,282

Pacific Power also partners with non-profit agencies, including The Salvation Army in Walla Walla and Yakima, and the Northwest Community Action Center located in Toppenish, to provide donated funds

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as energy assistance to households in-need. This fuel fund program is called Project HELP. Pacific Power matches \$2 for each \$1 contributed by customers. The Project HELP funds applied to recipient's billings annually are as follows:

2014: \$44,402
2015: \$55,539
2016: \$56,445

The federally funded Low Income Home Energy Assistance Program (LIHEAP) is administered in the Company's service area by Blue Mountain Action Council (BMAC) in Walla Walla, Northwest Community Action Center (NCAC) in Toppenish and the Opportunities Industrialization Center of Washington (OIC) in Yakima. LIHEAP energy assistance is applied to the accounts of eligible households. A little over \$2 million in funds have been distributed to our customers each year from 2014-2016.

The Company also partners with BMAC, NCAC and OIC to install energy efficiency measures in the homes of income-eligible customers. The funding through the Low Income Weatherization Program, available through Schedule 114, reimburses the agencies for 50% of the cost of installing the energy efficiency measures when the agencies have state Match Maker Program funds to leverage with Pacific Power's monies. Importantly, the Company covers 100% of the costs when the agencies deplete their state funds. The weatherization services are available at no cost to homeowners and renters residing in single family homes, manufactured homes and apartments. The three agencies in total can bill the Company up to \$1 million per year. For annual funding provided through the Low Income Weatherization program, please see tables below in 15ci.

- b. See responses to PC15c for Energy Efficiency Programs descriptions.
 - i. See responses to PC 15ci for Energy Efficiency Program total dollar amounts.
 - ii. See responses to PC15cii for Energy Efficiency Program total kWh savings achieved.
- c. Residential Energy Efficiency Programs

For years 2014 and 2015, Pacific Power's residential energy efficiency portfolio was comprised of four programs; Home Energy Savings, Home Energy Reports, Refrigerator Recycling, and Low Income Weatherization. The Refrigerator Recycling program was discontinued at the end of 2015. In 2016, there were three programs.

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- 1) The Home Energy Savings program provides access to and incentives for more efficient products and services installed or received by customers in new or existing homes, multi-family housing units or manufactured homes.
- 2) The Home Energy Reports program is a behavioral program designed to decrease participant energy usage by providing comparative energy usage data for similar homes located in the same geographical area.
- 3) The Refrigerator Recycling program (also known as “See ya later, refrigerator®”) was designed to decrease electricity use (kWh) through voluntary removal and recycling of inefficient refrigerators and freezers. This program was discontinued at the end of 2015.
- 4) The Low Income Weatherization program provides energy efficiency services through a partnership between the Company and local non-profit agencies to residential customers who meet income-eligible guidelines. This program is described more thoroughly above in 15a.

Market Transformation Program

The Company also funds Market Transformation through NEEA (Northwest Energy Efficiency Alliance) and includes NEEA’s energy savings reporting as part of its program portfolio. *NEEA* is a non-profit corporation that works collaboratively with its funders and other strategic market partners to accelerate the innovation and adoption of energy-efficient products, services, and practices for both residential and non-residential customer sectors.

Non-Residential Energy Efficiency Programs

For the time period stated in the data request, Pacific Power’s non-residential energy efficiency program is promoted to the Company’s agricultural, commercial, and industrial customers as *wattsmart* Business. The *wattsmart* Business program is intended to maximize the efficient utilization of electricity for new and existing non-residential customers through the installation of energy efficiency measures and energy management protocols. Qualifying measures are any measures which, when implemented in an eligible facility, result in verifiable electric energy efficiency improvements.

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Source of Revenue

The expenditures associated with Energy Efficiency programs are recovered through Schedule 191 - System Benefits Charge Adjustment.

Cost Allocation Mechanism

For Schedule 91 Low Income:

When the low income program was first established, program costs were allocated to customer classes based on each class' percentage of base revenues to total Washington base revenues with a price cap of \$50 per month, per customer. For those classes whose allocated price exceeded the \$50 cap, the residual balances for those classes were allocated to the remaining classes based on each remaining class' percentage of the total remaining classes' base revenues. After prices were originally set, further changes in collections for the program were made on an equal percentage basis.

For Schedule 191 SBC:

Costs are allocated to customer classes based on each class' percentage of base revenues to total Washington base revenues.

- i. Total dollar amount by rate class on a both a budgeted basis and an actual basis, for last three years (2014-2016).

| | 2016 PacifiCorp WA Business Plan Budget | 2016 PacifiCorp WA DSM Actual |
|-----------------------------------|--|---|
| | Estimated Systems Benefit Expenditures | Systems Benefits Charge Expenditures |
| Low Income Weatherization | \$780,000 | \$690,355 |
| Refrigerator Recycling | \$0 | (\$1,150) |
| Home Energy Savings | \$3,199,903 | \$2,467,089 |
| Home Energy Reporting | \$364,526 | \$338,703 |
| NEEA | \$909,968 | \$869,953 |
| wattsmart Business - Agricultural | \$384,539 | \$164,246 |
| wattsmart Business - Commercial | \$3,081,525 | \$4,046,759 |
| wattsmart Business - Industrial | \$2,254,460 | \$2,563,171 |

This information will be finalized and provided in the 2016 Annual Report on Conservation.

| | 2015 PacifiCorp WA Business Plan Budget | 2015 PacifiCorp WA DSM Actual |
|--|--|----------------------------------|
|--|--|----------------------------------|

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| | Estimated Systems Benefit Expenditures | Systems Benefits Charge Expenditures |
|-----------------------------------|--|--------------------------------------|
| Low Income Weatherization | \$900,000 | \$858,071 |
| Refrigerator Recycling | \$254,310 | \$150,597 |
| Home Energy Savings | \$2,305,015 | \$2,597,140 |
| Home Energy Reporting | \$478,288 | \$340,566 |
| NEEA | \$881,334 | \$884,208 |
| wattsmart Business - Agricultural | \$2,856,020 | \$230,076 |
| wattsmart Business - Commercial | \$3,133,060 | \$3,648,592 |
| wattsmart Business - Industrial | \$34,441 | \$1,934,463 |

This information is provided in the 2015 Annual Report on Conservation, page 18.

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Demand_Side_Management/2016/2015_WA_Annual_Report.pdf

| | 2014 PacifiCorp WA Business Plan Budget | 2014 PacifiCorp WA DSM Actual |
|-----------------------------------|---|--------------------------------------|
| | Estimated Systems Benefit Expenditures | Systems Benefits Charge Expenditures |
| Low Income Weatherization | \$919,500 | \$698,964 |
| Refrigerator Recycling | \$238,382 | \$173,384 |
| Home Energy Savings | \$1,772,063 | \$2,243,020 |
| Home Energy Reporting | \$144,000 | \$274,248 |
| NEEA | \$1,249,843 | \$1,174,914 |
| wattsmart Business - Agricultural | \$29,092 | \$160,700 |
| wattsmart Business - Commercial | \$2,352,790 | \$2,379,871 |
| wattsmart Business - Industrial | \$2,484,180 | \$3,250,740 |
| Production Efficiency* | \$962 | - |

This information is provided in the 2014 Annual Report on Conservation, page 17.

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Demand_Side_Management/2015/WA_AnnualReport_FINAL-Report-CORRECTED_050815.pdf

*Production Efficiency: Actual Production Efficiency expenditures and savings track completed projects at plants which may span multiple years. Production efficiency costs related to engineering analysis were recovered through the SBC. Costs for construction the projects and additional engineering work were through mechanisms consistent with recovery of other costs for generation plants.

- ii. Total Savings in kWh achieved by rate class on both a budgeted basis and an actual basis for the last three years (2014-2016).

| | 2016 PacifiCorp WA Business Plan Budget | | 2016 PacifiCorp WA DSM Actual | |
|---------------------------|---|-------------------------------|-------------------------------|-------------------------------|
| | kWh/Yr Savings (at site) | kWh/Yr Savings (at generator) | kWh/Yr Savings (at site) | kWh/Yr Savings (at generator) |
| Low Income Weatherization | 243,540 | 267,090 | 294,462 | 322,936 |
| Refrigerator Recycling | 0 | 0 | 6,644 | 7,286 |

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| | | | | |
|-----------------------------------|------------|------------|------------|------------|
| Home Energy Savings | 12,665,222 | 13,889,949 | 7,030,808 | 7,710,687 |
| Home Energy Reporting | 8,911,279 | 9,773,000 | 9,164,167 | 10,050,342 |
| NEEA | 1,984,871 | 2,176,130 | 1,984,871 | 2,176,808 |
| wattsmart Business - Agricultural | 1,409,700 | 1,546,018 | 690,513 | 757,286 |
| wattsmart Business – Commercial | 10,852,890 | 11,887,278 | 16,642,825 | 18,229,052 |
| wattsmart Business - Industrial | 11,765,975 | 12,726,196 | 13,210,222 | 14,288,308 |

This information will be finalized and provided in the 2016 Annual Report on Conservation.

| | 2015 PacifiCorp WA Business Plan Budget | | 2015 PacifiCorp WA DSM Actual | |
|-----------------------------------|---|------------------------------|-------------------------------|------------------------------|
| | kWh/Yr Savings (at site) | kWh/Yr Savings(at generator) | kWh/Yr Savings(at site) | kWh/Yr Savings(at generator) |
| Low Income Weatherization | 150,000 | 164,505 | 144,648 | 158,635 |
| Refrigerator Recycling | 930,863 | 1,020,877 | 788,344 | 864,568 |
| Home Energy Savings | 11,877,460 | 13,026,010 | 12,006,640 | 13,167,682 |
| Home Energy Reporting | 10,931,580 | 11,988,644 | 7,720,142 | 8,466,680 |
| NEEA | 6,587,939 | 7,224,424 | 3,063,405 | 3,357,471 |
| wattsmart Business - Agricultural | 135,990 | 149,140 | 1,246,917 | 1,367,494 |
| wattsmart Business – Commercial | 11,277,055 | 12,351,871 | 12,977,707 | 14,214,612 |
| wattsmart Business - Industrial | 12,370,955 | 13,380,549 | 9,434,502 | 10,204,452 |

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| | 2014 PacifiCorp WA Business Plan Budget | | 2014 PacifiCorp WA DSM Actual | |
|-----------------------------------|---|------------------------------|-------------------------------|------------------------------|
| | kWh/Yr Savings (at site) | kWh/Yr Savings(at generator) | kWh/Yr Savings(at site) | kWh/Yr Savings(at generator) |
| Low Income Weatherization | 267,156 | 292,990 | 156,456 | 171,585 |
| Refrigerator Recycling | 900,915 | 988,033 | 667,926 | 732,514 |
| Home Energy Savings | 7,312,374 | 8,019,481 | 12,757,968 | 13,991,663 |
| Home Energy Reporting | 5,078,730 | 5,569,843 | 4,670,171 | 5,121,777 |
| NEEA | 6,468,181 | 7,088,896 | 6,400,566 | 7,015,950 |
| wattsmart Business - Agricultural | 126,203 | 138,407 | 878,483 | 963,432 |
| wattsmart Business – Commercial | 10,206,531 | 11,179,315 | 9,405,487 | 10,301,924 |
| wattsmart Business - Industrial | 10,776,511 | 11,655,982 | 15,688,384 | 16,968,713 |
| Production Efficiency* | 3,371 | 3,371 | - | - |

This information is provided in the 2014 Annual Report on Conservation, page 17.

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Demand_Side_Management/2015/WA_AnnualReport_FINAL-Report-CORRECTED_050815.pdf

*Production Efficiency: See note on Production Efficiency under the 2014 table in 15ci for more information.

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SPONSOR: TBD

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