

# Attachment A

## Demand-Side Management Business Plan – Washington

### 2010–2011



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1. Budget and Savings by Program

Table 1 below provides the savings and expenditures anticipated by program to achieve the 8.5 aMW biennial target for 2010 and 2011.

**Table 1**  
**2010 – 2011 Biennial Target Savings and Budget by Program**

Program	2010 PacifiCorp Washington DSM Estimates				2011 PacifiCorp Washington DSM Estimates				2010 + 2011
	Gross kWh/Yr Savings (at site)	Gross kWh/Yr Savings (at generator)	Gross aMW Savings (at gen)	Estimated Expenditures	Gross kWh/Yr Savings (at site)	Gross kWh/Yr Savings (at generator)	Gross aMW Savings (at gen)	Estimated Expenditures	
Low Income Weatherization (114) <sup>1</sup>	180,000	195,712	0.02	\$ 400,000	180,000	195,712	0.02	\$ 400,000	0.04
Energy Education in Schools (113)	1,725,000	1,875,575	0.21	\$ 450,000	1,725,000	1,875,575	0.21	\$ 450,000	0.43
Refrigerator Recycling (107)	2,325,000	2,527,949	0.29	\$ 400,000	1,875,000	2,038,669	0.23	\$ 300,000	0.52
Home Energy Savings (118)	5,850,000	6,360,647	0.73	\$ 1,300,000	5,700,000	6,197,553	0.71	\$ 1,300,000	1.43
CFL Adjustment	(750,000)	(815,468)	(0.09)	\$ -	(750,000)	(815,468)	(0.09)	\$ -	(0.19)
<b>Total Residential</b>	<b>9,330,000</b>	<b>10,144,416</b>	<b>1.16</b>	<b>\$ 2,550,000</b>	<b>8,730,000</b>	<b>9,492,042</b>	<b>1.08</b>	<b>\$ 2,450,000</b>	<b>2.24</b>
Energy FinAnswer (125)	900,000	967,887	0.11	\$ 400,000	600,000	645,258	0.07	\$ 300,000	0.18
Energy FinAnswer Express (115)	2,400,000	2,581,032	0.29	\$ 800,000	2,100,000	2,258,403	0.26	\$ 800,000	0.55
<b>Total Commercial</b>	<b>3,300,000</b>	<b>3,548,919</b>	<b>0.41</b>	<b>\$ 1,200,000</b>	<b>2,700,000</b>	<b>2,903,661</b>	<b>0.33</b>	<b>\$ 1,100,000</b>	<b>0.74</b>
Energy FinAnswer (125)	11,250,000	12,247,538	1.40	\$ 2,600,000	10,125,000	11,022,784	1.26	\$ 2,700,000	2.66

Program	2010 PacifiCorp Washington DSM Estimates				2011 PacifiCorp Washington DSM Estimates				2010 + 2011
	Gross kWh/Yr Savings (at site)	Gross kWh/Yr Savings (at generator)	Gross aMW Savings (at gen)	Estimated Expenditures	Gross kWh/Yr Savings (at site)	Gross kWh/Yr Savings (at generator)	Gross aMW Savings (at gen)	Estimated Expenditures	
FinAnswer Express (115)	825,000	898,153	0.10	\$ 300,000	600,000	653,202	0.07	\$ 300,000	0.18
<b>Total Industrial</b>	<b>12,075,000</b>	<b>13,145,690</b>	<b>1.50</b>	<b>\$ 2,900,000</b>	<b>10,725,000</b>	<b>11,675,986</b>	<b>1.33</b>	<b>\$ 3,000,000</b>	<b>2.83</b>
<b>Total - current Company programs</b>	<b>24,705,000</b>	<b>26,839,025</b>	<b>3.06</b>	<b>\$ 6,650,000</b>	<b>22,155,000</b>	<b>24,071,688</b>	<b>2.75</b>	<b>\$ 6,550,000</b>	<b>5.81</b>
Northwest Energy Efficiency Alliance (NEEA)		11,200,831	1.28	\$ 925,000		12,111,877	1.38	\$ 1,100,000	2.66
Distribution efficiency									
Production efficiency									
<b>Total including Company Programs, NEEA and other Company initiatives</b>		<b>38,039,856</b>	<b>4.3</b>	<b>\$ 7,575,000</b>		<b>36,183,566</b>	<b>4.1</b>	<b>\$ 7,650,000</b>	<b>8.5</b>
Additional residential expenditures for administration related to prior programs				\$ 1,000				\$ 1,000	
<b>Total System Benefits Charge Expenditures</b>				<b>\$ 7,576,000</b>				<b>\$ 7,651,000</b>	

Table 1

<sup>1</sup> Low income forecasts for 2010 and 2011 are based on historic performance despite having \$1M annually available for matching commitments. Savings and expenditures for consumer electronics and showerheads are captured in the residential program forecasts however may be delivered through standalone programs if more appropriate. Savings and expenditures for network PC power control are captured in the business program forecasts however may be delivered through standalone programs if more appropriate. Business program projections are based on the current activity forecasts. There are many factors that influence the realization of these projections since the Company influences but does not control energy efficiency project implementation at customer facilities. Variability in forecasts are expected. 2010 expenditures include estimated costs for 2005-2008 program evaluations for several of the programs. This evaluation work is in progress with all costs expected in 2010. Northwest Energy Efficiency Alliance projections are based on NEEA's current forecast. Expenditure projections for production efficiency are not included because these costs are not anticipated to be recovered by the System Benefits Charge. Savings are not included at this time in the biennial target. Additional new initiatives may be considered in 2010 and 2011.

## **2.0 Program Details by Program**

In this section program details, including specific measures, incentives, and eligibility requirements are provided by program.

## **2.1 Refrigerator Recycling (Schedule 107)**

Program details for this program are contained in the program tariff. Any changes to the details included in the program tariff must be filed and approved by the Commission prior to becoming effective.



**PACIFIC POWER & LIGHT COMPANY**

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SCHEDULE 107  
RESIDENTIAL REFRIGERATOR RECYCLING PROGRAM  
RESIDENTIAL SERVICE OPTIONAL FOR QUALIFYING CUSTOMERS

PURPOSE:

Service under this tariff is intended to decrease residential refrigeration loads through the removal and recycling of inefficient models.

AVAILABLE:

In all territory served by Pacific Power (The Company) in the State of Washington.

APPLICABLE:

To residential customers and landlords with residential units in all service territory served by The Company in Washington.

CUSTOMER PARTICIPATION:

Customer participation is voluntary and is initiated by contacting a specified toll-free number or website.

DESCRIPTION:

Customers receive a \$30 incentive to discontinue use of their working second refrigerators and/or freezers or to replace their working primary refrigerators and freezers with new more efficient models. To qualify for the incentive, customers must give up their appliances for recycling. Appliances will be collected and recycled to ensure they are not resold on the secondary market. Company will offer a packet with written energy efficiency information, and instant savings measures.

QUALIFYING EQUIPMENT:

Working refrigerators and freezers that are a minimum of 10 cubic feet in size, utilizing inside measurements.

PROVISIONS OF SERVICE:

Incentives will be available on a maximum of two appliances per qualifying household. Incentive checks will be mailed within 30 days of the appliance collection date.

Incentives are also available to landlords who own the appliances used in rental properties in The Company's Washington service territory where their tenant is billed on a residential schedule. Landlords may receive incentives on a maximum of two appliances per unit.

Company and/or Program Administrator may employ a variety of quality assurance techniques during the delivery of the program. Verification or evaluation may include, but is not limited to, telephone survey, site visit, billing analysis, and pre- and post-installation of monitoring equipment as necessary to quantify actual energy savings.

(Continued)

Issued April 13, 2007 Effective May 31, 2007

Issued by PACIFIC POWER & LIGHT COMPANY  
By Andrea L. Kelly Title Vice President, Regulation  
TF2 107.1.E Advice No. 07-02

PACIFIC POWER & LIGHT COMPANY

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SCHEDULE 107  
RESIDENTIAL REFRIGERATOR RECYCLING PROGRAM  
RESIDENTIAL SERVICE OPTIONAL FOR QUALIFYING CUSTOMERS

RULES AND REGULATIONS:

Service under this Schedule is subject to the General Rules and Regulations contained in the tariff of which this Schedule is a part, and to those prescribed by regulatory authorities.

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Issued by PACIFIC POWER & LIGHT COMPANY  
By Andrea L. Kelly Title Vice President, Regulation  
TF2 107.2.NEW Advice No. 07-02

Form F

## **2.2 Energy Education in Schools (Schedule 113)**

Program details for this program are contained in the program tariff. Any changes to the details included in the program tariff must be filed and approved by the Commission prior to becoming effective.

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SCHEDULE 113  
RESIDENTIAL ENERGY EFFICIENCY PROGRAM  
ENERGY EDUCATION IN SCHOOLS

PURPOSE:

Service under this tariff is intended to educate students on energy related topics so that they better understand how electricity is generated and the importance of using electricity efficiently.

APPLICABLE:

To sixth grade students in territory served by the Company in the state of Washington.

DESCRIPTION:

Energy education services and do-it-yourself measures will be provided to 6<sup>th</sup> grade classrooms through partnerships with local non-profit agencies. The services will be at no cost to students or schools.

VERIFICATION:

All measures provided are intended to be installed in the Company's service territory.

RULES AND REGULATIONS:

Service under this Schedule is subject to the General Rules and Regulations contained in the tariff of which this Schedule is a part, and to those prescribed by regulatory authorities.

Issued December 20, 2002 Effective April 1, 2003

Issued by PACIFIC POWER & LIGHT COMPANY

By D. Douglas Larson Title Vice President, Regulation

TF2 Advice No. 02-008

### **2.3 Low Income Weatherization (Schedule 114)**

Program details for this program are contained in the program tariff. Any changes to the details included in the program tariff must be filed and approved by the Commission prior to becoming effective.

**PACIFIC POWER & LIGHT COMPANY**

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SCHEDULE 114  
RESIDENTIAL ENERGY EFFICIENCY RIDER  
OPTIONAL FOR QUALIFYING LOW INCOME CUSTOMERS

PURPOSE:

Service under this schedule is intended to maximize the efficient utilization of the electricity requirement of existing residential dwellings inhabited by customers that meet income guidelines through the installation of permanent energy efficient materials.

APPLICABLE:

To residential Customers residing in single family, multi-family and manufactured home dwellings billed under Schedule 16 or Schedule 17 in all territory served by the Company in the State of Washington. This schedule is applicable to existing dwellings built before July 1, 1991 with permanently installed operable electric space heating designed to heat the living space of the dwelling, except as noted under the energy efficient measures section of this tariff.

DESCRIPTION:

Service under this program is available to improve the energy efficiency of applicable residential dwellings connected to Company's system. The decision to extend service under this schedule shall be based on eligibility requirements contained herein.

DEFINITIONS:

- (1) "Dwelling" means real or personal property within the state inhabited as the principal residence of a dwelling owner or a tenant. "Dwelling" includes a manufactured home, a single-family home, duplex or multi-unit residential housing. "Dwelling" does not include a recreational vehicle.
  - (a) Duplexes and fourplexes are eligible if at least one half of the dwelling is occupied by low income tenants.
  - (b) Triplexes and multi-family dwellings are eligible if at least 66% of the units are occupied by low income tenants.
- (2) "Agency" means a non-profit group, Municipality or County authorized to receive funds for installation of weatherization materials in low income properties.
- (3) "Energy Audit" means a service provided by the Agency that includes the measurement and analysis of the energy efficiency of a dwelling including energy savings potential that would result from installing energy efficient measures that are determined to be cost effective.

(Continued)

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By	D. Douglas Larson	Title	Vice President, Regulation
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Form F

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SCHEDULE 114  
RESIDENTIAL ENERGY EFFICIENCY RIDER  
OPTIONAL FOR QUALIFYING LOW INCOME CUSTOMERS  
(Continued)

DEFINITIONS: (Continued)

- (4) "Low Income" means households qualifying under the federal low income guidelines and certified for eligibility according to agency procedure.
- (5) "Major Measures" means ceiling insulation, wall insulation and floor insulation applicable in dwellings with permanently installed electric space heating systems. If physical barriers exist that prohibit the installation of a measure, then the measure is not required as a condition for financial assistance under this schedule.
- (6) "Supplemental Measures" are not required measures under this schedule, but may qualify for a Company reimbursement based on audit results.
- (7) The "Energy Matchmaker Program" in the State of Washington is designed to increase resources for low-income weatherization by leveraging local matching dollars. A community based agency can access the Energy Matchmaker funds by providing a dollar-for-dollar match. Anticipated match providers include utilities, local governments, service organizations and rental housing owners. All measures installed under the Pacific Power Program must also be eligible under the Energy Matchmaker Program.

FINANCIAL ASSISTANCE:

- (1) The Company will reimburse the "Agency" 50% of the installed cost of all eligible Energy Efficient Measures listed in this tariff. If Matchmaker Program participating Agencies exhaust Matchmaker Funds, Company will fund "Agency" 100% of costs associated with the installation of eligible Energy Efficient Measures. Measures will be determined to be cost effective (Savings to Investment Ratio of 1.0 or greater) through the results of an U.S. Department of Energy (DOE) approved audit. Financial assistance will be provided one time only on any individual major or supplemental measure, and up to two times per dwelling.
- (2) The Company will reimburse the "Agency" for administrative costs when all major measures determined to be cost effective have been installed. The administrative reimbursement will be calculated as: 15% of the Pacific Power rebate.

(Continued)

Issued January 7, 2009 Effective March 1, 2009

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By Andrea L. Kelly Title Vice President, Regulation

TF2 114.2E Advice No. 08-07

**PACIFIC POWER & LIGHT COMPANY**

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SCHEDULE 114  
RESIDENTIAL ENERGY EFFICIENCY RIDER  
OPTIONAL FOR QUALIFYING LOW INCOME CUSTOMERS  
(Continued)

FINANCIAL ASSISTANCE: (Continued)

- (3) The Company will reimburse the "Agency" 50% of the installed cost of repairs necessary to make the installation of the energy efficient measures included in this effective tariff. When matching funds are exhausted funding will be at 100%. The total reimbursement on repairs available to the "Agency" is limited to 15% of the annual reimbursement on energy efficient measures received.
- (4) Agencies must notify Company when matching funds are depleted, no less than 30 days prior to billing at 100% funding levels.
- (5) Total funding for all program components will not exceed \$1,000,000 annually.
- (6) Agencies must invoice the Company within forty-five days of job completion.

ENERGY EFFICIENT MEASURES:

Financial assistance will be provided based on the results of a cost-effective analysis (Savings to Investment Ratio of 1.0 or greater) through a DOE approved energy audit. The energy efficient measures eligible for funding must be installed in dwellings with permanently installed operable electric space heat except where noted. The installation of measures listed as "Always considered cost effective" under Major and Supplemental Measures are not dependent on audit results. The energy efficient measures that may be eligible for funding are listed as follows along with their estimated measure life where applicable:

Major Measures:

- (1) Ceiling insulation up to R-49 for ceilings with less than R-30 in place. R-30 or better attics will not be further insulated: 30 years.
- (2) Floor insulation over unheated spaces up to R-30: 30 years.
- (3) Wall insulation or exterior insulation sheathing up to R-26 for walls with no insulation installed (financing will not be available for the installation of urea-formaldehyde wall insulation): 30 years.

Nothing shall preclude the Company from providing a reimbursement for the installation of a greater R value of insulation for the above items that are determined to be cost effective (Savings to Investment Ratio of 1.0 or greater) through the audit process.

(Continued)

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By Andrea L. Kelly Title Vice President, Regulation

TF2 114.3E

Advice No. 08-07



**PACIFIC POWER & LIGHT COMPANY**

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SCHEDULE 114  
RESIDENTIAL ENERGY EFFICIENCY RIDER  
OPTIONAL FOR QUALIFYING LOW INCOME CUSTOMERS  
(Continued)

ENERGY EFFICIENT MEASURES: (Continued)

Supplemental Measures:

- (1) Attic ventilation, excluding power ventilators when installed with ceiling insulation (required if needed at the time ceiling insulation is installed). Whole house mechanical ventilation, and spot ventilation for kitchen and baths at time ceiling insulation is installed: Always considered cost effective.
- (2) Ground cover and water pipe wrap when installed with floor insulation; other vapor barrier materials as required when installed with floor or ceiling insulation: Always considered cost effective.
- (3) Forced air electric space heating duct insulation and sealing in unheated spaces: 30 years.
- (4) Weatherstripping and/or caulking, including blower door assisted air sealing and duct sealing: Always considered cost effective.
- (5) Thermal doors: 30 years.
- (6) Dehumidifiers: Always considered cost effective.
- (7) Timed thermostats on centrally controlled multi-room heating systems except when used with heat pumps. Heat anticipating type thermostats for zonal electric resistance heating systems. Zonal thermostats must be separate from the heating unit and must be calibrated at the site to within 2°F of actual room temperature in the range of 65°F-75°F: Always considered cost effective.
- (8) Energy efficient showerheads and aerators where electric water heaters are present. Showerheads with a visible flow rating greater than 2.5 gallons per minute (gpm) will be replaced, and showerheads without a gpm marking may be replaced at the discretion of agency staff: Always considered cost effective.
- (9) Water heaters: Tank replacement of existing electric water heaters when audit indicates a Savings to Investment Ratio of 1.0 or greater. Replacement will be an Energy Star certified model with an EF rating of at least 1.0: 13 years.
- (10) Fluorescent light fixtures applicable in all homes: 15 years.
- (11) Compact fluorescent light bulbs applicable in all homes - limit 10 Energy Star certified bulbs per home placed in fixtures that are on 2 or more hours per day: Always considered cost effective, 7 years.

(Continued)

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Issued by	<u>PACIFIC POWER &amp; LIGHT COMPANY</u>	Title	<u>Vice President, Regulation</u>
By	<u>Andrea L. Kelly</u>		

TF2 114.4E

Advice No. 08-07

Form F

**PACIFIC POWER & LIGHT COMPANY**

FOR COMMISSION'S RECEIPT STAMP

SCHEDULE 114  
RESIDENTIAL ENERGY EFFICIENCY RIDER  
OPTIONAL FOR QUALIFYING LOW INCOME CUSTOMERS  
(Continued)

ENERGY EFFICIENT MEASURES: (Continued)

Supplemental Measures: (Continued)

(12) Refrigerators applicable in all homes: Refrigerators with monitored results showing annual usage of 1,500 kWh or greater may be replaced with an Energy Star model with an estimated annual consumption of 600 kWh or less. Replaced refrigerators must be removed and recycled in accordance with EPA guidelines: Always considered cost effective, 15 years.

(13) Class 40 Replacement windows: 25 years.

PROVISIONS OF SERVICE:

- (1) A Department of Energy approved Energy Audit must be completed by the Agency prior to installation of the measures by the Agency.
- (2) Agency must qualify residential customers for assistance using the Federal Low Income Guidelines.
- (3) Installation shall meet Federal, State and Local building codes.
- (4) Measures installed under this schedule shall not receive financial incentives from other Company programs.
- (5) Agency shall inspect the installation to insure that the weatherization meets or exceeds required specifications.
- (6) Company may audit Agency weatherization and financial records and inspect the installations in dwellings of customers receiving weatherization under this program. Records will include audit results.
- (7) Company shall pay the Agency the amount established under the terms of their contract when provisions of this schedule have been met.

RULES AND REGULATIONS:

Service under this schedule is subject to the General Rules and Regulations contained in the tariff of which this schedule is a part, and to those prescribed by regulatory authorities.

(Continued)

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Issued by PACIFIC POWER & LIGHT COMPANY  
By Andrea L. Kelly Title Vice President, Regulation  
TF2 114.5E Advice No. 08-07

Form F

## 2.4 Home Energy Savings (Schedule 118)

Program details for this program are contained in the program tariff. Any changes to the details included in the program tariff must be filed and approved by the Commission prior to becoming effective. In addition, there are program details managed outside of the program tariff. The program tariff and the text below from the Advice Letter (Docket UE-061297) describe the information that is managed outside of the tariff and the process for changes.

The comprehensive nature of the program and changing equipment standards indicate a flexible and market-driven program delivery is required. The Company is proposing that Schedule 118 outline the basic program elements including customer eligibility, use of a program administrator for delivery, the seasonal nature of selected incentive offers, and that current incentive levels may change. Specific details such as incentive levels, eligible equipment specifications and dates for incentive availability would be managed by the program administrator using a dedicated program Web site with easy links from the Company web site.

Changes in equipment eligibility or minimum efficiency levels would be driven by program and market data. The Company and program administrator will be assessing program performance on an on-going basis and proposing changes at least once per year. Changes may be proposed more frequently if there is compelling market feedback that changes need to occur ahead of the annual changes. Similar to the filing process, the Company would present information on proposed changes to its Advisory Group and seek comments prior to making changes. Changes in equipment specifications or incentive levels would be clearly posted on the Web site and emailed to the appropriate Commission staff person with at least 45 days advance notice.

Program details, including specific measures, incentives, and eligibility requirements are posted on the Company's Web site at [www.pacificpower.net/wattsmart](http://www.pacificpower.net/wattsmart). A summary table of incentives is available at [www.homeenergysavings.net/Washington/forms.html](http://www.homeenergysavings.net/Washington/forms.html).

PACIFIC POWER &amp; LIGHT COMPANY

FOR COMMISSION'S RECEIPT STAMP

SCHEDULE NO 118  
HOME ENERGY SAVINGS  
INCENTIVE PROGRAM

PURPOSE:

Service under this tariff is intended to maximize the efficient utilization of the electricity requirements of new and existing loads in new and existing residences including manufactured housing and multi-family dwellings.

APPLICABLE:

To new and existing residential customers in all territory served by the Company in the state of Washington billed on Schedules 16, 17 and 18. Landlords who own rental properties served by the company in the state of Washington where the tenant is billed on Schedules 16, 17 and 18 also qualify for this program.

CUSTOMER PARTICIPATION:

Customer participation is voluntary and is initiated by following the participation procedures listed on the program web site.

DESCRIPTION:

On-going program to deliver incentives for a variety of equipment and services intended for and located in residential dwellings. Home Energy Savings Incentive Program will be delivered by the Program Administrator and periodic changes will be made to insure or enhance program cost effectiveness as defined by the Company.

QUALIFYING EQUIPMENT OR SERVICES:

Equipment or services for residential dwellings, which when correctly installed or performed, result in verifiable electric energy usage reductions where such usage is compared to the existing equipment or baseline equipment as determined by the Company.

PROGRAM ADMINISTRATOR:

Qualified person or entity hired by the Company to administer this program.

PROVISIONS OF SERVICE:

1. Qualifying Equipment or Services, incentive amounts, and participation procedures will be listed on the program Web site.
2. Incentive delivery may vary by technology and may include any or all of the following; post purchase mail-in, point-of-purchase buy-down, manufacturer buy-down or pre-purchase offer and approval.

(Continued)

Issued August 11, 2006 Effective September 14, 2006

Issued by PACIFIC POWER & LIGHT COMPANYBy Andrea L. Kelly Title Vice President, Regulation

TF2 118.1E

Advice No. 06-004

Form F

PacifiCorp's Ten-Year Conservation Potential and  
2010-2011 Biennial Conservation Target Report  
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PACIFIC POWER &amp; LIGHT COMPANY

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SCHEDULE NO 118  
 (Continued)  
 HOME ENERGY SAVINGS  
INCENTIVE PROGRAM

PROVISIONS OF SERVICE: (continued)

3. Incentives may be offered for year-round or for selected time periods.
4. Incentive offer availability, incentive levels and Qualifying Equipment or Services may be changed by the Program Administrator after consultation with the Company to reflect changing codes and standards, sales volumes, quality assurance data or to enhance program cost effectiveness.
5. All changes will occur with a minimum of 45 days notice, be prominently displayed as a change, include a minimum 45 day grace period for processing prior offers (except for manufacturer buy-down incentive delivery) and be communicated at least once to retailers who have participated within the last year.
6. Except for manufacturer buy-downs, incentives paid directly to participants will be in the form of a check issued within 45 days of Program Administrator's receipt of a complete and approved incentive application.
7. Equipment and services receiving an incentive under this program are not eligible for incentives under other Company programs.
8. Company and/or Program Administrator will employ a variety of quality assurance techniques during the delivery of the program. They may differ by equipment or service type and may include, but are not limited to, pre and post installation inspections, phone surveys, retailer invoice reconciliations and confirmation of customer and equipment eligibility.
9. Company may verify or evaluate the energy savings of installed equipment or services. Verification or evaluation may include, but are not limited to, telephone survey, site visit, billing analysis, pre- and post-installation of monitoring equipment as necessary to quantify actual energy savings.

ELECTRIC SERVICE REGULATIONS:

Service under this schedule will be in accordance with the terms of the electric service Agreement between the Customer and the Company. The Electric Service Regulations of the Company on file with and approved by the Washington Utilities and Transportation Commission, including future applicable amendments, will be considered as forming a part of and incorporated in said Agreement.

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Issued by PACIFIC POWER & LIGHT COMPANY  
 By Andrea L. Kelly Title Vice President, Regulation

TF2 118.2E

Advice No. 06-004

Form F

PacifiCorp's Ten-Year Conservation Potential and  
 2010-2011 Biennial Conservation Target Report  
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## 2.5 FinAnswer Express (Schedule 115)

Program details for this program are contained in the program tariff. Any changes to the details included in the program tariff must be filed and approved by the Commission prior to becoming effective. In addition, there are program details managed outside of the program tariff. The program tariff and the text below from the Advice Letter (Docket UE-061710) describe the information that is managed outside of the tariff and the process for changes.

Future changes in the ... incentive tables and definitions would be driven by program and market data. The Company assesses program performance on an ongoing basis and would propose changes at least annually. Changes may be proposed more frequently if there is compelling market data. Similar to the filing process, the Company would present information on proposed changes to its Advisory Group and seek comments prior to making changes. Changes would be clearly posted on the program web site and e-mailed to the appropriate Commission staff person with at least 45 days advance notice.

The following program details are managed outside of the program tariff on the Company Web site via the process described above:

- Incentive tables
- Program definitions
- Custom incentive offering

The incentive tables are included in the program brochures which can be found at the links below.

For retrofits at existing facilities:

[http://www.pacificpower.net/content/dam/pacific\\_power/doc/Business/Save\\_Energy\\_Money/WA\\_FinAnswer\\_Express\\_Retrofits\\_Brochure\\_and\\_Incentive\\_Tables.pdf](http://www.pacificpower.net/content/dam/pacific_power/doc/Business/Save_Energy_Money/WA_FinAnswer_Express_Retrofits_Brochure_and_Incentive_Tables.pdf)

For new construction and major renovation projects:

[http://www.pacificpower.net/content/dam/pacific\\_power/doc/Business/Save\\_Energy\\_Money/WA\\_FinAnswer\\_Express\\_NCMR\\_Brochure\\_and\\_Incentive\\_Tables.pdf](http://www.pacificpower.net/content/dam/pacific_power/doc/Business/Save_Energy_Money/WA_FinAnswer_Express_NCMR_Brochure_and_Incentive_Tables.pdf)

Program definitions are available at this link:

[http://www.pacificpower.net/content/dam/pacific\\_power/doc/Business/Save\\_Energy\\_Money/FinAnswer\\_Express\\_29.pdf](http://www.pacificpower.net/content/dam/pacific_power/doc/Business/Save_Energy_Money/FinAnswer_Express_29.pdf)

Information about custom incentives is available at this link:

[http://www.pacificpower.net/content/dam/pacific\\_power/doc/Business/Save\\_Energy\\_Money/WA\\_FinExpress\\_Custom\\_Incentives\\_10302009.pdf](http://www.pacificpower.net/content/dam/pacific_power/doc/Business/Save_Energy_Money/WA_FinExpress_Custom_Incentives_10302009.pdf)

The current program definitions, custom incentive information and incentive tables are also included following the program tariff below.

**PACIFIC POWER & LIGHT COMPANY**

FOR COMMISSION'S RECEIPT  
STAMP

SCHEDULE 115  
COMMERCIAL & INDUSTRIAL ENERGY EFFICIENCY INCENTIVES—  
OPTIONAL FOR QUALIFYING CUSTOMERS

PURPOSE:

Service under this Schedule is intended to maximize the efficient utilization of the electricity requirements of new and existing loads in Commercial Buildings and Industrial Facilities through the installation of Energy Efficiency Measures.

APPLICABLE:

To service under the Company's General Service Schedules 24, 33, 36, 40, 47T, 48T, 53 and 54 in all territory served by the Company in the State of Washington. This Schedule is applicable to new and existing Commercial Buildings and Industrial Facilities.

CUSTOMER PARTICIPATION:

Customer participation is voluntary and is initiated by following the participation procedures on the Washington energy efficiency program section of the Company Web site.

DESCRIPTION:

Ongoing program to provide incentives for a variety of equipment located in commercial buildings and industrial facilities. Periodic program changes will be made to insure or enhance program cost-effectiveness as defined by the Company.

QUALIFYING EQUIPMENT:

Equipment which when installed in an eligible facility results in verifiable electric energy efficiency improvement compared to existing equipment or baseline equipment as determined by the Company.

PROVISIONS OF SERVICE:

- (1) Qualifying equipment of services, incentive amounts, and other terms and conditions will be listed on the Washington energy efficiency program section of the Company Web site and may be changed by the Company with at least 45 days notice. Such changes will be prominently displayed on the Washington energy efficiency program section of the Company Web site and include a minimum 45 day grace period for processing prior offers.
- (2) Company may elect to offer EEM incentives through different channels and at different points in the sales process other than individual Energy Efficiency Incentive Agreement(s) prior to EEM purchase. The differences will depend on EEM and will be consistent for all EEMs of similar type.
- (3) Incentives may be offered year-round or for selected time periods.
- (4) Equipment or services receiving an incentive under this program are not eligible for incentives under other Company programs.

(Continued)

Issued September 18, 2009 Effective October 30, 2009

Issued by PACIFIC POWER & LIGHT COMPANY

By Andrea Kelly Andrea L. Kelly Title Vice President, Regulation

TF2 115.1E

Advice No. 09-04  
PacifiCorp's Ten-Year Conservation Potential and  
2010-2011 Biennial Conservation Target Report  
Attachment A  
Page 23 of 54

**PACIFIC POWER & LIGHT COMPANY**

FOR COMMISSION'S RECEIPT  
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SCHEDULE 115  
COMMERCIAL & INDUSTRIAL ENERGY EFFICIENCY INCENTIVES—  
OPTIONAL FOR QUALIFYING CUSTOMER  
(continued)

PROVISIONS OF SERVICE:(Continued)

(5) Company may offer payment as described on the Washington energy efficiency program section of the Company Web site to a design team member to encourage early initial Company consultation on Owner/Customer design and plans for New Construction/Major Renovation.

(6)Company will employ a variety of quality assurance techniques during the delivery of the program. They will differ by EEM and may include pre and post installation inspections, phone surveys, confirmation of Owner/Customer and equipment eligibility.

(7)Company may verify or evaluate the energy savings of installed EEMs. This verification may include a telephone survey, site visit, review of facility operation characteristics, and pre- and post-installation of monitoring equipment and as necessary to quantify actual energy savings.

ELECTRIC SERVICE REGULATIONS:

Service under this Schedule will be in accordance with the terms of the Electric Service Agreement between the Customer and the Company. The Electric Service Regulations of the Company on file with and approved by the Utilities & Transportation Commission of the State of Washington, including future applicable amendments, will be considered as forming a part of and incorporated in said Agreement.

Issued November 9, 2006 Effective January 1, 2006

Issued by PACIFIC POWER & LIGHT COMPANY  
By Andrea L. Kelly Title Vice President, Regulation

TF2 115.2.E  
Form F

Advice No. 06-008  
PacifiCorp's Ten-Year Conservation Potential and  
2010-2011 Biennial Conservation Target Report  
Attachment A  
Page 24 of 54



## Washington FinAnswer Express

This document includes the following three sections:

- Definitions of terms used in Schedule 115 and other program documents
- Incentives – General Information
- Incentive tables

### Definitions

**Commercial Building:** A structure that is served by Pacific Power and meets the applicability requirements of Washington Schedule 115, the program tariff, on file with the Washington Utilities & Transportation Commission at the time an Energy Efficiency Incentive Agreement is executed or an Energy Efficiency Incentive Application is submitted and which does not meet the definition of an Industrial Facility.

**Customer:** Any party who has applied for, been accepted and receives service at the real property, or is the electricity user at the real property.

**Energy Efficiency Incentive:** Payments of money made by Pacific Power to Owner or Customer for installation of an Energy Efficiency Measure pursuant to an executed Energy Efficiency Incentive Agreement or approved Energy Efficiency Incentive Application.

**Energy Efficiency Incentive Agreement:** An agreement between Owner or Customer and Pacific Power providing for Pacific Power to furnish Energy Efficiency Incentives for an Energy Efficiency Project.

**Energy Efficiency Incentive Application:** An application submitted by Owner or Customer to Pacific Power for Energy Efficiency Incentives.

**Energy Efficiency Measure (EEM):** A permanently installed measure which can improve the efficiency of the Customer's electric energy use.

#### **Energy Efficiency Measure (EEM) Cost:**

- **New Construction/Major Renovation:** EEM Cost is the total installed cost of energy efficiency equipment or system minus the cost of the code compliance/common practice equipment or system.
- **Retrofit:** EEM Cost is the total installed cost of the energy efficiency equipment or modification. In the case of New Construction, Major Renovations, and Retrofits, EEM Costs shall mean the Owner or Customer's reasonable costs incurred (net of any discounts, rebates or incentives other than Energy Efficiency Incentives from Pacific Power, or other consideration that reduces the final actual EEM Cost incurred by the Owner or Customer) to purchase and install EEMs at the Owner's or Customer's facility. If the Owner or Customer installs the EEM then the cost of installation shall be equal to the Owner's or Customer's actual labor costs for such installation.

**Energy Efficiency Project:** One or more EEM(s) with similar one year payback limitations (see below) covered by one Energy Efficiency Incentive Agreement.

**Energy Efficiency Project Cost:** The sum of EEM Costs for one or more EEM(s) with similar one year payback limitations (see below) covered by one Energy Efficiency Incentive Agreement.

**Industrial Facility:** Buildings and process equipment associated with manufacturing.

**Major Renovation:** A change in facility use type or where the existing system will not meet Owner/Customer projected requirements within existing facility square footage.

**Mixed Use:** Buildings served by a residential schedule and a rate schedule listed under **Applicable** in Washington Schedule 115 shall be eligible for services under this schedule provided the Energy Efficiency Project meets the definition of New Construction or Major Renovation.

**New Construction:** A newly constructed facility or newly constructed square footage added to an existing facility.

**Owner:** The person who has both legal and beneficial title to the real property, and is the mortgager under a duly recorded mortgage of real property, the trustor under a duly recorded deed of trust.

**Retrofit:** Changes, modifications or additions to systems or equipment in existing facility square footage.

## **Incentives – General Information**

### **Prescriptive incentives**

Per unit incentives are listed in the program incentive tables for specific Energy Efficiency Measures (EEMs) and are subject to the incentive caps below. Incentives are subject to change and current incentives can be found at [www.pacificpower.net](http://www.pacificpower.net).

### **Custom incentives**

Energy Efficiency Measures not listed in the incentive tables may be eligible for a Custom Energy Efficiency Incentive. Pacific Power will complete an analysis of the EEM Cost and electric energy savings and determine whether to offer a custom Energy Efficiency Incentive and the incentive amount. The custom Energy Efficiency Incentive is Pacific Power's estimate of annual electric savings multiplied by \$0.10/kWh and subject to the incentive caps described below.

Electric savings resulting from lighting interaction with mechanical equipment is not eligible for a custom Energy Efficiency Incentive.

The baseline wattage for all retrofit fluorescent lighting EEMs not listed in the Retrofit Lighting Incentive Table is the lesser of

- a) Existing equipment, or
- b) Energy efficient magnetic ballast and energy saving lamp combination.

Pacific Power may adjust baseline electric energy consumption and costs to reflect any of the following: energy codes, standard practice, changes in capacity, changes in production or facility use and equipment at the end of its useful life. Such adjustments may be made for lighting energy efficiency measures installed in new construction projects where energy code does not apply.

### Incentive caps

	Percent of Energy Efficiency Project Cost Cap	1 Year Simple Payback Cap for Energy Efficiency Projects
<b>Measures Listed in Incentive Tables</b>		
Lighting - Retrofit	60%	Yes
Lighting - New Construction/ Major Renovation	None	No
Motors	None	No
HVAC	None	No
Building Envelope	None	No
Food Service	None	No
Appliances	None	No
Irrigation (see note)	None	No
Dairy/Farm Equipment	None	No
Compressed Air	None	No
Other Energy Efficiency Measures (see note)	None	No
<b>Measures Not Listed in Incentive Tables</b>		
Lighting - New Construction/ Major Renovation Measures Receiving a Custom Incentive	None	No
Other Measures Receiving a Custom Incentive	60%	Yes

1. The 1 year simple payback cap means Energy Efficiency Incentives will not be available to reduce the simple payback of an Energy Efficiency Project below one year. If required, individual EEM Energy Efficiency Incentives will be adjusted downward pro-rata so the Energy Efficiency Project has a simple payback after incentives of one year or more.
2. EEM Costs are subject to Pacific Power review and approval and Pacific Power may require additional documentation from the Customer or Owner.
3. Two irrigation Energy Efficiency Measures have a measure cost cap. See the Irrigation Equipment incentive table for details.
4. The Network PC Power Management Software measure has a measure cost cap. See the Other Energy Efficiency Measures incentive table for details.

## Retrofit Lighting Incentive Table

Category	Replace	With	Retrofit Incentive
Fluorescent Fixture Upgrade to Standard T8 Fixtures [Standard T8 lamps and electronic ballasts with ballast factor (BF) $\leq 0.88$ ]	4' - 1 or 2 T12 lamp(s) + 1 magnetic ballast (MB)	4' - 1 or 2 T8 lamps + 1 electronic ballast (EB)	\$6
	4' - 3 or 4 T12 lamp(s) + MB(s)	4' - 3 or 4 T8 lamps + EB	\$12
	8' - 1 or 2 T12 lamp(s) + MB(s)	4' - 2, 3 or 4 T8 lamps + EB	\$12
	8' - 1,2,3 or 4 T12 lamps + MB(s)	8' - 1,2,3 or 4 T8 lamps + EB	\$12
	8' - 1,2,3 or 4 T12 HO/VHO lamps + MB(s)	8' - 1,2,3, or 4 T8 HO/VHO lamps + EB(s)	\$18
Fluorescent Fixture Upgrade to 4' Premium T8 Fixtures [Lamps with initial lumens $\geq 3100$ or wattage $\leq 30$ W; electronic ballasts with BF $\leq 0.8$ ]	4' - 1 or 2 T12 lamp(s) + MB or Standard T8 lamp(s) + EB	4' - 1 or 2 Premium T8 lamp(s) + EB	\$12
	4' - 3 or 4 T12 lamps + MB(s) or Standard T8 lamps + EB	4' - 3 or 4 Premium T8 lamps + EB	\$18
	8' - 1 or 2 T12 lamp(s) + MB(s)	4' - 2, 3 or 4 Premium T8 lamps + EB	\$20
Fluorescent Delamping and Standard T8 Fixture Upgrade [Standard T8 lamps and electronic ballasts (EB) with BF $\leq 0.88$ - Fixture removal is not eligible]	4' - 2 T12 lamps + MB	4' - 1 Standard T8 lamp + EB	\$12
	4' - 3 T12 lamps + MB(s)	4' - 2 or 1 Standard T8 lamp + EB	\$18
	4' - 4 T12 lamps + MB(s)	4' - 3 Standard T8 lamps + EB	\$18
	4' - 4 T12 lamps + MB(s)	4' - 2 or 1 Standard T8 lamp + EB	\$30
Fluorescent Delamping and Premium T8 Fixture Upgrade [Lamps with initial lumens $\geq 3100$ or wattage $\leq 30$ W; electronic ballasts with BF $\leq 0.8$ . Fixture removal is not eligible]	4' - 2 T12 lamps + MB	4' - 1 Premium T8 lamp + EB	\$18
	4' - 3 T12 lamps + MB(s)	4' - 1 or 2 Premium T8 lamp + EB	\$24
	4' - 4 T12 lamps + MB(s)	4' - 3 Premium T8 lamps + EB	\$24
	4' - 4 T12 lamps + MB(s)	4' - 1 or 2 Premium T8 lamp + EB	\$35
T8 Fluorescent Lamp Upgrade	$\geq 32$ W T8 lamp	$\leq 30$ W T8 lamp	\$0.50
Compact Fluorescent Lighting (CFL)	Incandescent	$< 10$ W (nominal) CFL hardwire fixture	\$10
	Incandescent	$\geq 10$ W and $< 20$ W (nominal) CFL hardwire fixture	\$15
	Incandescent	$\geq 20$ W (nominal) CFL hardwire fixture	\$20
T5 Fluorescent Fixture Upgrade	$\geq 250$ W MH, MV or HPS	3 T5HO lamps (nominal 4') + EB (High Bay)	\$70
	$\geq 400$ W MH, MV, or HPS	4,5, or 6 T5HO lamps (nominal 4') + EB (High Bay)	\$75
	$\geq 750$ W MH, MV, or HPS	$\geq 8$ T5HO lamps (nominal 4') + EB(s)	\$110
	4' - 4 T12 lamps + MB(s)	2 T5 lamps (nominal 4') + EB (interior fixtures)	\$30
	4' - 4 T12 lamps + MB(s)	2 T5HO lamps (nominal 4') + EB (interior fixtures)	\$25

Category	Replace	With	Retrofit Incentive
High Intensity Discharge (HID) Upgrades Based on lamp wattages	Incandescent or tungsten	≤100W Ceramic Metal Halide	\$25
	≥400W MH, MV or HPS	≤320W Ceramic Metal Halide	\$100
	≥750W MH, MV, or HPS	≤400 W Ceramic Metal Halide	\$120
	≥150W and ≤ 250W MH, MV, or HPS, or ≥150W incandescent	≥125W and ≤175W Pulse Start MH	\$50
	>250W and ≤ 400W MH, MV, or HPS	≥175W and ≤320W Pulse Start MH	\$60
	> 400W MH, MV, or HPS	≤400W Pulse Start MH	\$100
	≥1000W MH, MV or HPS	≤750W Pulse Start MH	\$100
	≥ 250 W & < 750 W MH, MV, or HPS	4' - 4, 5, or 6 T8 lamps + EB(s) (High Bay)	\$75
	≥750 W MH, MV or HPS	4' - ≥ 8 lamp T8 + EB(s) (High Bay)	\$100
Exit Signs	Incandescent or fluorescent exit sign	Light Emitting Diode (LED) or Electro luminescent (EL) exit sign – 1 or 2 faced	\$15
	Incandescent or fluorescent exit sign	Photoluminescent or Tritium	\$20
Lighting Controls	Wall switch or no control	Wall or Ceiling Mounted Occupancy Sensor (per sensor)	\$35
	No control	Integral occupancy sensor	\$30
	No control	Photocell (per sensor) (exterior lights only)	\$20
	No control	Time clock (per control)	\$20
	No control	Daylighting control	\$0.10/ connected Watt
	No control	Bi-level controlled fixtures with integral occupancy sensor (per fixture)	\$35
LED Lighting	Indoor incandescent, neon, or fluorescent signage	LED channel letter signage ≤ 2' high	\$4/linear foot
		LED channel letter signage > 2' high	\$6/linear foot
	Outdoor incandescent, neon, or fluorescent signage	LED channel letter signage ≤ 2' high	\$2/linear foot
		LED channel letter signage > 2' high	\$3/linear foot
	Fluorescent refrigeration case lighting	LED case lighting	\$10/linear foot
	Incandescent, neon or fluorescent signage	LED fixed or scrolling message center signage	See Note 7

**Notes for Retrofit lighting incentives:**

1. Incentives are capped at 60 percent of Energy Efficiency Project Costs and subject to the one-year payback cap.
2. 2' U-tube lamps may be substituted for 4' linear fluorescent lamps in the above table.
3. For retrofits of existing equipment, lighting incentives will be paid on a one-for-one equipment replacement basis. If fixture counts are changing, the project may be eligible for a custom Energy Efficiency Incentive.
4. Incentives for T8 Fluorescent Lamp Upgrades may not be combined with other fluorescent fixture incentives and will only be paid once per facility.

5. T8 HO/VHO and High Bay T-8 electronic ballasts are required to have a  $BF \leq 1.2$  to be eligible for incentives.
6. To determine the length of LED channel letter signs, measure the length of individual letter at the centerline and add the individual values; do not measure the distance between letters.
7. LED fixed or scrolling message center signage incentives are \$0.10 per kilowatt-hour of annual energy savings - see note 1. Savings is subject to Pacific Power approval.
8. Incentives are not available for LED traffic light upgrades.
9. Lighting equipment listed only in the "Replace" column is not eligible for incentives.
10. Incentives are available via an Energy Efficiency Incentive Agreement signed prior to ordering new equipment.

CFL = Compact Fluorescent Lamp

MH = Metal Halide

MV = Mercury Vapor

HPS = High Pressure Sodium

HO = High Output

VHO = Very High Output

LED = Light-emitting diode

## New Construction/Major Renovation Lighting Incentive Table

Category	Install	Incentive
Premium T8 Fluorescent Fixture Upgrade [Lamps with initial lumens $\geq 3100$ or wattage $\leq 30$ W; electronic ballasts with BF $\leq 0.8$ ]	4' - 1 or 2 Premium T8 lamp(s) + EB	\$7
	4' - 3 or 4 Premium T8 lamps + EB	\$10
T5 Fluorescent Fixture Upgrade	2 T5HO lamps (nominal 4') EB (interior fixtures)	\$24
	3 T5HO lamps (nominal 4') + EB (High Bay)	\$48
	4-7 T5HO lamps (nominal 4') + EB(s) (High Bay)	\$60
	$\geq 8$ T5HO lamps (nominal 4') + EB(s) (High Bay)	\$120
	1 T5 lamp (nominal 4') + EB (interior fixtures)	\$12
	2 T5 lamps (nominal 4') + EB (interior fixtures)	\$30
	3 T5 lamps (nominal 4') + EB (interior fixtures)	\$36
T8 Fluorescent Fixture Upgrade (High Bay)	4' - $\geq 4$ T8 lamps + EB(s) (High Bay)	\$45
High Intensity Discharge (HID) Upgrades Based on lamp wattages	$\leq 100$ W Ceramic Metal Halide	\$20
	$> 100$ W Ceramic Metal Halide	\$40
	$> 500$ W Pulse Start MH	\$36
Lighting Controls	Integral occupancy sensor	\$30
	Daylighting control	\$0.10/ connected Watt
	Bi-level controlled fixtures with integral occupancy sensor (per fixture)	\$35
LED Lighting	Indoor LED channel letter signage $\leq 2'$ high	\$4/linear foot
	Indoor LED channel letter signage $> 2'$ high	\$6/linear foot
	Outdoor LED channel letter signage $\leq 2'$ high	\$2/linear foot
	Outdoor LED channel letter signage $> 2'$ high	\$3/linear foot

**Notes for new construction and major renovation lighting incentives:**

1. The date of the building permit application shall establish the applicable version of the Washington energy code.
2. The total connected interior lighting power for New Construction/Major Renovation projects required to comply with the energy code must be 10 percent lower than the interior lighting power allowance calculated under the applicable version of the Washington energy code. For New Construction/Major Renovation projects not required to comply with the energy code, the total connected lighting power must be 10% lower than common practice as determined by Pacific Power.
3. Incentives are not available for lighting controls required under the applicable version of the Washington energy code. Incentives are not available for day- lighting controls and bi-level fixtures if utilized to comply with the applicable version of the Washington energy code.
4. 2' U-tube lamps may be substituted for 4' linear fluorescent lamps in the above table.
5. Electronic ballasts for High Bay T8 fixtures are required to have a ballast factor  $\leq 1.2$  to be eligible for incentives.
6. To determine the length of LED channel letter signs, measure the length of individual letter at the centerline and add the individual values; do not measure the distance between letters.
7. Incentives are not available for LED traffic light upgrades.
8. Incentives are available via a post-purchase incentive application process. Applying prior to placing equipment orders is recommended but not required.

HO = High Output, LED= Light-emitting diode, VHO= Very High Output



## Premium Efficiency Motors Incentive Table

Horsepower	Customer Incentive (\$/motor)	Nominal Full Load Efficiencies (%)					
		1200 RPMs		1800 RPMs		3600 RPMs	
		Open Drip-Proof (ODP)	Totally Enclosed Fan-Cooled (TEFC)	Open Drip-Proof (ODP)	Totally Enclosed Fan-Cooled (TEFC)	Open Drip-Proof (ODP)	Totally Enclosed Fan-Cooled (TEFC)
1	\$45	82.5	82.5	85.5	85.5	77.0	77.0
1.5	\$45	86.5	87.5	86.5	86.5	84.0	84.0
2	\$54	87.5	88.5	86.5	86.5	85.5	85.5
3	\$54	88.5	89.5	89.5	89.5	85.5	86.5
5	\$54	89.5	89.5	89.5	89.5	86.5	88.5
7.5	\$81	90.2	91.0	91.0	91.7	88.5	89.5
10	\$90	91.7	91.0	91.7	91.7	89.5	90.2
15	\$104	91.7	91.7	93.0	92.4	90.2	91.0
20	\$113	92.4	91.7	93.0	93.0	91.0	91.0
25	\$117	93.0	93.0	93.6	93.6	91.7	91.7
30	\$135	93.6	93.0	94.1	93.6	91.7	91.7
40	\$162	94.1	94.1	94.1	94.1	92.4	92.4
50	\$198	94.1	94.1	94.5	94.5	93.0	93.0
60	\$234	94.5	94.5	95.0	95.0	93.6	93.6
75	\$270	94.5	94.5	95.0	95.4	93.6	93.6
100	\$360	95.0	95.0	95.4	95.4	93.6	94.1
125	\$540	95.0	95.0	95.4	95.4	94.1	95.0
150	\$630	95.4	95.8	95.8	95.8	94.1	95.0
200	\$630	95.4	95.8	95.8	96.2	95.0	95.4
250	\$687	95.4	95.8	95.8	96.2	95.0	95.8
300	\$770	95.4	95.8	95.8	96.2	95.4	95.8
350	\$960	95.4	95.8	95.8	96.2	95.4	95.8
400	\$1,049	95.8	95.8	95.8	96.2	95.8	95.8
450	\$1,139	96.2	95.8	96.2	96.2	95.8	95.8
500	\$1,229	96.2	95.8	96.2	96.2	95.8	95.8

**Notes for Premium Efficiency Motor incentive table:**

1. Motors larger than 500 horsepower may be eligible for a custom Energy Efficiency Incentive.
2. The NEMA Premium efficiency ratings listed are nominal full-load efficiency ratings. Motors that meet or exceed these efficiency requirements may qualify for an incentive.
3. Incentives are available via a post-purchase incentive application process.

### Other Motor Incentives Table

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
Electronically Commutated Motor	≤ 1 horsepower	Refrigeration application	--	\$0.50/watt
		HVAC application	--	\$50/horsepower
Variable-Frequency Drives (HVAC fans and pumps)	≤ 100 horsepower	HVAC fans and pumps	See Note 3	\$65/horsepower
Green Motor Rewinds	≥ 15 and ≤ 500 hp	--	Must meet GMPG Standards	\$1/horsepower

**Notes for other motor incentives table:**

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.
3. Throttling or bypass devices, such as inlet vanes, bypass dampers, three-way valves, or throttling valves must be removed or permanently disabled to qualify for HVAC fan or pump VFD incentives. VFDs required by energy code are not eligible for incentives. Washington energy code requires a VFD on HVAC fans greater than or equal to 10 horsepower. Savings will only be realized for installations where a variable load is present.
4. Except for Green Motor Rewinds, all equipment listed in the table will be eligible for incentives in new construction or retrofit projects.
5. For Green Motor Rewinds, the participating electric motor service center is paid \$2/horsepower for eligible Green Motor Rewinds. A minimum of \$1/horsepower is paid by the service center to the customer as a credit on the motor rewind invoice. The balance is retained by the service center.
6. For retrofits of existing equipment, incentives are for one-for-one same size equipment replacements.

ECM = Electronically Commutated Motor

VFD = Variable Frequency Drive

GMPG = Green Motors Practices Group

HVAC Equipment Incentive Table			Minimum Efficiency Requirement & Customer Incentive		
Equipment Type	Size Category	Sub-Category	\$50/ton	\$75/ton	\$100/ton
Unitary Commercial Air Conditioners, Air-Cooled (Cooling Mode)	< 65, 000 Btu/hr	Split system and single package (single phase)	15.0 SEER and 12.5 EER	--	--
	< 65, 000 Btu/hr See Note 8	Split system and single package (three phase)	13.0 SEER and 11.6 EER	14.0 SEER and 11.6 EER	15.0 SEER and 12.0 EER
	≥ 65,000 Btu/hr and < 135,000 Btu/hr See Note 8	Split system and single package	11.0 EER and 11.4 IPLV	11.5 EER and 11.9 IPLV	12.0 EER and 12.4 IPLV
	≥ 135,000 Btu/hr and < 240,000 Btu/hr See Note 8	Split system and single package	10.8 EER and 11.2 IPLV	11.5 EER and 11.9 IPLV	12.0 EER and 12.4 IPLV
	≥ 240,000 Btu/hr and < 760,000 Btu/hr See Note 8	Split system and single package	10.0 EER and 10.4 IPLV	10.5 EER and 10.9 IPLV	10.8 EER and 12.0 IPLV
	≥ 760,000 Btu/hr See Note 8	Split system and single package	9.7 EER and 10.1 IPLV	9.7 EER and 11.0 IPLV	10.2 EER and 11.0 IPLV
Unitary Commercial Air Conditioners, Water and Evaporatively Cooled	< 135,000 Btu/hr	Split system and single package	14.0 EER	--	--
	≥ 135,000 Btu/hr	Split system and single package	14.0 EER	--	--
Package Terminal Air Conditioners and Heat Pumps (PTAC/PTHP) (Heating & Cooling Mode)	≤ 8,000 Btu/hr	Single package	11.8 EER and 3.3 COP Heating	--	--
	> 8,000 Btu/hr and < 10,500 Btu/hr	Single package	11.4 EER and 3.2 COP Heating	--	--
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	Single package	10.7 EER and 3.1 COP Heating	--	--
	> 13,500 Btu/hr	Single package	10.0 EER and 3.0 COP Heating	--	--
Heat Pumps, Air-Cooled (Cooling Mode)	< 65, 000 Btu/hr	Split system and single package (single phase)	15.0 SEER and 12.5 EER	--	--
	< 65, 000 Btu/hr See Note 8	Split system and single package (three phase)	13.0 SEER and 11.6 EER	14.0 SEER and 11.6 EER	15.0 SEER and 12.0 EER
	≥ 65,000 Btu/hr and < 135,000 Btu/hr See Note 8	Split system and single package	11.0 EER and 11.4 IPLV	11.5 EER and 11.9 IPLV	12.0 EER and 12.4 IPLV
	≥ 135,000 Btu/hr and < 240,000 Btu/hr See Note 8	Split system and single package	10.8 EER and 11.2 IPLV	11.5 EER and 11.9 IPLV	12.0 EER and 12.4 IPLV
	≥ 240,000 Btu/hr See Note 8	Split system and single package	10.0 EER and 10.4 IPLV	10.5 EER and 10.9 IPLV	10.8 EER and 12.0 IPLV
Heat Pumps, Air-Cooled (Heating Mode) - See Note 3	< 65, 000 Btu/hr	Split system (single phase)	8.5 HSPF	--	--
		Single package (single phase)	8.0 HSPF	--	--
	< 65, 000 Btu/hr See Note 8	Split system (three phase)	8.0 HSPF	8.5 HSPF	9.0 HSPF
		Single package (three phase)	7.5 HSPF	8.0 HSPF	8.5 HSPF
	≥ 65,000 Btu/hr and < 135,000 Btu/hr See Note 8	47°F db/43°F wb outdoor air	3.4 COP	3.4 COP	3.4 COP
		17°F db/15°F wb outdoor air	2.4 COP	2.4 COP	2.4 COP
	≥ 135,000 Btu/hr See Note 8	47°F db/43°F wb outdoor air	3.2 COP	3.2 COP	3.2 COP
		17°F db/15°F wb outdoor air	2.1 COP	2.1 COP	2.1 COP

HVAC Equipment Incentive Table (cont.)			Minimum Efficiency Requirement & Customer Incentive		
Equipment Type	Size Category	Sub-Category	\$50/ton	\$75/ton	\$100/ton
Heat Pumps, Water-Source (Cooling Mode)	< 135,000 Btu/hr	86°F Entering Water	14.0 EER	--	--
Heat Pumps, Water-Source (Heating Mode) - See Note 3	< 135,000 Btu/hr	68°F Entering Water	4.6 COP	--	--
Heat Pumps, Ground-Source (Cooling Mode)	< 135,000 Btu/hr	77°F Entering Water	14.1 EER	--	--
Heat Pumps, Ground-Source (Heating Mode) - See Note 3	< 135,000 Btu/hr	32°F Entering Water	3.3 COP	--	--
Heat Pumps, Groundwater-Source (Cooling Mode)	< 135,000 Btu/hr	59°F Entering Water	16.2 EER	--	--
Heat Pumps, Groundwater-Source (Heating Mode) - See Note 3	< 135,000 Btu/hr	50°F Entering Water	3.6 COP	--	--
Equipment Type	Size Category	Sub-Category	Incentive		
Ground-Source or Groundwater-Source Heat Pump Loop	All sizes	Open Loop	\$25/ton		
		Closed Loop			

**Notes for HVAC equipment incentive table**

1. For retrofits of existing equipment, incentives are for one-for-one same size equipment replacements. Exception: PTHPs can replace electric resistive heating, which must be removed.
2. Equipment that meets or exceeds the efficiency requirements listed for the size category in the above table may qualify for an incentive. Equipment must meet both listed efficiency requirements to qualify for incentives.
3. Incentives for heat pumps are \$50-100 per ton of cooling capacity ONLY. No incentives are paid per ton of heating capacity. Heat Pumps must meet both the cooling mode and heating mode efficiency requirements to qualify for per ton cooling efficiency incentives.
4. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.
5. Except where noted, all equipment listed in the table will be eligible for incentives in both new construction and retrofit projects.
6. Equipment size categories are specified in terms of net cooling capacity at AHRI standard conditions as determined by AHRI Standard 210/240 for units <65,000 Btu/hr, AHRI Standard 340/360 for units ≥65,000 Btu/hr, and AHRI Standard 310/380 for PTAC and PTHP units.
7. Ground and Water Source Heat Pumps must meet or exceed listed efficiency requirements when rated in accordance with ISO-13256-1 to qualify for an incentive
8. **For HVAC equipment in size categories that indicate “See Note 8”, \$50/ton incentives will not be available for equipment purchased after December 31 2009.**

SEER = Seasonal Energy Efficiency Ratio  
 EER = Energy Efficiency Ratio  
 COP = Coefficient of Performance  
 HSPF = Heating Seasonal Performance Factor

IPLV = Integrated Part Load Value  
 PTHP = Package Terminal Heat Pump  
 PTAC = Package Terminal Air Conditioner  
 HVAC = Heating, Ventilation and Air Conditioning

## Other HVAC Equipment and Controls Incentives

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
Evaporative Cooling	All sizes	Direct or Indirect	Industry Standard Rating (ISR)	\$0.02/ISR CFM
Indirect-Direct Evaporative Cooling (IDEC)	All sizes	--	Applicable system components must exceed minimum efficiencies required by energy code	(See Note 4)
Chillers	All except chillers intended for backup service only	Serving primarily occupant comfort cooling loads (no more than 20% of process cooling loads)	Must exceed minimum efficiencies required by energy code	(See Note 5)
365/366 day Programmable Thermostat	All sizes in portable classrooms with mechanical cooling	Must be installed in portable classroom unoccupied during summer months	365/366 day thermostatic setback capability	\$150/thermostat
Occupancy Based PTHP/PTAC control	All sizes with no prior occupancy based control	--	See Note 6	\$50/controller

### Notes for other HVAC equipment and controls incentive table

1. For retrofits of existing equipment, incentives are for one-for-one same size equipment replacements.
2. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
3. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.
4. Incentives are paid at \$0.12/kWh + \$50/kW. IDEC energy and demand savings subject to approval by Pacific Power.
5. Incentives are paid at \$0.12/kWh + \$50/kW. Chiller energy and demand savings subject to approval by Pacific Power.
6. Controller units must include an occupancy sensor and include the capability to set back the zone temperature during extended unoccupied periods and set up the temperature once the zone is occupied.

**CFM** = Cubic Feet per Minute  
**ISR** = Industry Standard Rating  
**IDEC** = Indirect Direct Evaporative Cooling  
**PTHP** = Package Terminal Heat Pump  
**PTAC** = Package Terminal Air Conditioner

## Building Envelope (Retrofit) Incentives

Equipment Type	Category	Minimum Efficiency Requirement	Customer Incentive
Cool Roof	--	ENERGY STAR Qualified	\$0.10/square foot
Roof/Attic Insulation	--	Minimum increment of R-10 insulation	\$0.08/square foot
Wall Insulation	--	Minimum increment of R-10 insulation	\$0.10/square foot
Windows (See Note 4)	Site-Built	U-Factor $\leq$ 0.30 and SHGC $\leq$ 0.33 (Glazing Only Rating)	\$0.34/square foot
	Assembly	U-Factor $\leq$ 0.35 and SHGC $\leq$ 0.33 (Entire Window Assembly Rating)	\$0.34/square foot
Window Film	Existing Windows	See Note 6	See Note 6

### Notes for retrofit building envelope incentive table

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Incentives for all equipment listed in the incentive table are available via a post-purchase application process for retrofit projects only.
3. Building must be conditioned with mechanical cooling to be eligible for envelope incentives.
4. Energy performance of window assemblies and glazing products must be rated in accordance with NFRC. Site-Built metal window systems must include a thermal break within the frame or other appropriate NFRC certification to qualify for incentives. Skylights are not eligible to receive incentives.
5. Window square footage is determined by the dimensions of the entire window assembly, not just the window glass.
6. Incentives for window film are calculated based on film specifications and window orientation at \$0.12/kWh annual energy savings. Energy savings subject to approval by Pacific Power.

NFRC = National Fenestration Rating Council

### Building Envelope (New Construction/Major Renovation) Incentives

Equipment Type	Category	Minimum Efficiency Requirement	Customer Incentive
Cool Roof	--	ENERGY STAR Qualified	\$0.10/square foot
Roof/Attic Insulation	--	Minimum increment of R-5 insulation above code (See Note 6)	\$0.04/square foot
Wall Insulation	--	Minimum increment of R-3.7 continuous insulation above code (See Note 6)	\$0.05/square foot
Windows (See Note 5)	Site-Built	U-Factor $\leq$ 0.30 and SHGC $\leq$ 0.33 (Glazing Only Rating)	\$0.34/square foot
	Assembly	U-Factor $\leq$ 0.35 and SHGC $\leq$ 0.33 (Entire Window Assembly Rating)	\$0.34/square foot

**Notes for building envelope (new construction/major renovation) incentives table**

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Incentives for all equipment listed in the incentive table are available via a post-purchase application process for new construction projects only.
3. Building must be conditioned with mechanical cooling to be eligible for envelope incentives.
4. Window square footage is determined by the dimensions of the entire window assembly, not just the window glass.
5. Energy performance of window assemblies and glazing products must be rated in accordance with NFRC. Energy performance of window assemblies and glazing products must be rated in accordance with NFRC. Site-Built metal window systems must include a thermal break within the frame or other appropriate NFRC certification to qualify for incentives. Skylights are not eligible to receive incentives.
6. Compliance with the minimum efficiency requirements of Roof/Attic Insulation and Wall Insulation measures may be demonstrated with equivalent U-factors and is subject to Pacific Power approval.

NFRC = National Fenestration Rating Council

## Food Service Equipment Incentives

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
Residential Dishwasher (Electric Water Heating Only) (See Note 3)	Used in a Commercial Facility	ENERGY STAR Qualified	\$20
Commercial Dishwasher (Electric Water Heating Only) (See Note 3)	Undercounter	ENERGY STAR Qualified	\$500
	Stationary Rack, Single Tank, Door Type	ENERGY STAR Qualified	\$1,000
	Single Tank Conveyor	ENERGY STAR Qualified	\$1,500
	Multiple Tank Conveyor	ENERGY STAR Qualified	\$2,000
Electric Insulated Holding Cabinet	Full Size	ENERGY STAR Qualified	\$300
	3/4 Size		\$250
	1/2 Size		\$200
Electric Steam Cooker	3-, 4-, 5- and 6-pan sizes	ENERGY STAR Qualified	\$750
Electric Convection Oven	--	≥70% cooking efficiency (tested in accordance with ASTM F1496)	\$350
Electric Griddle	--	≥70% cooking efficiency (tested in accordance with ASTM F1275)	\$300
Electric Combination Oven	--	≥60% cooking efficiency (tested in accordance with ASTM F1639)	\$1,000
Electric Commercial Fryer	--	ENERGY STAR Qualified	\$200
Ice Machines (Air-Cooled Only)	All types, ≤500 lbs/day	ENERGY STAR Qualified	\$125
		CEE Tier 3 Qualified	\$150
	All types, >500 lbs/day	ENERGY STAR Qualified	\$250
		CEE Tier 3 Qualified	\$400
Residential Refrigerator	Used in a Commercial Facility	ENERGY STAR Qualified	\$20
Commercial Glass Door Refrigerator	≤ 30 cubic feet volume (V)	CEE Tier 2 Qualified	\$125
	31-60 cubic feet		\$150
	≥ 61 cubic feet		\$175
Solid Door Refrigerator	≤ 30 cubic feet volume (V)	CEE Tier 2 Qualified	\$50
	31-60 cubic feet		\$70
	≥ 61 cubic feet		\$90
Solid Door Freezer	≤ 30 cubic feet volume (V)	CEE Tier 2 Qualified	\$150
	31-60 cubic feet		\$175
	≥ 61 cubic feet		\$200

### Notes for food service equipment incentives table

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.
3. Dishwashers must be supplied with electrically heated domestic hot water. Models with either electric or gas booster heaters are eligible for incentives.

ASTM = American Society for Testing and Materials, CEE = Consortium for Energy Efficiency



### Appliances Incentive Table

<b>Equipment Type</b>	<b>Equipment Category</b>	<b>Minimum Efficiency Requirement</b>	<b>Customer Incentive</b>
Ceiling Fans	Residential (used in a business)	ENERGY STAR Qualified	\$20
High-Efficiency Clothes Washer (must have electric water heating)	Residential (used in a business)	ENERGY STAR Qualified	\$50
		CEE Tier 2	\$100
	Commercial (Coin-operated/Laundromat)	ENERGY STAR Qualified	\$150
		CEE Tier 2	\$200
Room Air Conditioners	Residential (used in a business)	ENERGY STAR Qualified	\$30
Electric Water Heater	Residential (40 gallon or larger)	EF $\geq$ 0.93	\$50

**Notes for appliances incentive table**

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.

EF = Energy Factor  
MEF = Modified Energy Factor  
WF = Water Factor  
CEE = Consortium for Energy Efficiency

### Irrigation Incentive Table (Retrofit Only)

<b>Irrigation Measure</b>	<b>Replace</b>	<b>With</b>	<b>Limitations</b>	<b>Customer Incentive</b>
Repair Leaking Wheel Lines, Hand Lines and Portable Mainlines	Worn and leaking pipe connections	Cut and pipe press or weld repair of leaking pipe connections	1. Invoice must show number of joints repaired	\$8.00/joint
Rotating type, Spray Heads or Low-Pressure Pivot Sprinkler Heads	Worn rotating, impact, or spray-type sprinklers	New rotating type, spray heads, or low-pressure pivot sprinkler heads	1. Must be same design flow or less 2. Limited to 2 replacements per irrigated acre	\$3.00 each (up to 60% of measure costs)
Center Pivot Base Boot Gasket	Worn and leaking center pivot base boot gasket	New center pivot base boot gasket	--	\$80 each
Drains and Gaskets for Wheel Lines, Hand Lines, Pivots or Portable Main Lines	Worn and leaking drains and gaskets	New drains and gaskets (See Note 4)	1. Limited to 2 replacements per irrigated acre	\$1.00 each
Flow-Controlling Type Nozzles	Existing brass or worn flow-controlling type nozzles	New flow-controlling type nozzles	1. Must be same design flow or less 2. Limited to 2 replacements per irrigated acre	\$1.50 each
Sprinkler Nozzles	Existing worn nozzle	New brass or plastic range nozzle	1. Must be same design flow or less 2. Limited to 2 replacements per irrigated acre	\$0.25 each
Gooseneck Elbow with Drop Tube or Boomback	Worn or leaking gooseneck elbow with drop tube or boomback	New gooseneck elbow with drop tube or boomback	--	\$1.00/outlet
Wheel-line Hubs (on Thunderbird Wheel Lines)	Worn or leaking hub	New wheel-line hub	--	\$12.00 each
Sprinkler Pressure Regulators	Worn or faulty regulator	New Pressure regulator	1. Must be same design pressure or less 2. Limited to 2 replacements per irrigated acre	\$2.75 each
Brass-Impact Sprinklers	Worn or leaking brass-impact sprinkler	New or rebuilt brass impact sprinkler	1. Limited to 2 replacements per irrigated acre	\$3.00 each (up to 60% of measure costs)
Wheel-line Leveler	Worn or faulty wheel-line leveler	New or rebuilt wheel-line leveler	--	\$0.75 each
Wheel-line Feed Hose	Worn or leaking wheel-line feed hose	New or rebuilt wheel-line feedhose	--	\$15.00 each

**Notes for irrigation incentive table**

1. Irrigation measures that meet the replacement requirements listed in the above table may qualify for an incentive.
2. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.
3. All equipment listed in the table will be eligible for incentives only in replacement or retrofit projects.
4. Also includes seals and riser caps (dome discs) for valve openers.
5. For Energy Efficiency Measures where the incentive is limited to 60% of Energy Efficiency Measure costs, Energy Efficiency Measure costs are subject to Pacific Power approval.

## Dairy/Farm Equipment Incentives Table

Equipment Type	Equipment Category	Minimum Efficiency Requirements	Customer Incentive
Automatic Milker Takeoffs (Retrofit Only)	--	Equipment must be able to sense milk flow and remove milker when flow reaches a pre-set level.	\$235 each
Tractor Block Heater Timers	--	Timer must be a UL-listed device and rated for a minimum of 15 amps continuous duty.	\$10 each
Circulating Fans (See Note 3)	12-23" Diameter	Fans must achieve an efficiency level of 11 cfm/W	\$25/fan
	24-35" Diameter	Fans must achieve an efficiency level of 18 cfm/W	\$35/fan
	36-47" Diameter	Fans must achieve an efficiency level of 18 cfm/W	\$50/fan
	≥48" Diameter	Fans must achieve an efficiency level of 25 cfm/W	\$75/fan
Heat Reclaimers	--	Heat reclaimer must use waste heat from compressor to heat water. Customer must use electricity to heat water.	\$220/condenser kW
High-efficiency Ventilation Systems (See Note 3)	12-23" Diameter	Fans must achieve an efficiency level of 11 cfm/W	\$45/fan
	24-35" Diameter	Fans must achieve an efficiency level of 13 cfm/W	\$75/fan
	36-47" Diameter	Fans must achieve an efficiency level of 17 cfm/W	\$125/fan
	≥48" Diameter	Fans must achieve an efficiency level of 19.5 cfm/W	\$150/fan
Milk Pre-coolers	--	The equipment must cool milk with well-water before it reaches the bulk cooling tank.	See Note 4
Programmable Ventilation Controller	--	The equipment must control ventilation fans based on temperature or environmental settings.	\$20/fan controlled
Variable Frequency Drives for Dairy Vacuum Pumps (Retrofit Only)	--	The equipment must vary the motor speed in accordance with the air flow needs of the vacuum system. Incentive available for retrofit only.	\$165/hp

### Notes for dairy/farm equipment incentives table

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.
3. Fan performance must be rated by an independent testing body in accordance with the appropriate ANSI/AMCA standards.
4. Incentives are paid at \$0.12/kWh + \$50/kW. Milk Pre-Cooler energy and demand savings subject to approval by Pacific Power.
5. Except where noted, all equipment listed in the table will be eligible for incentives in both new construction and retrofit projects.

AMCA = Air Movement & Control Association International, Inc.  
ANSI = American National Standards Institute

## Compressed Air Incentive Table (Size ≤ 75 Horsepower)

Equipment Category	Replace	With	Limitations	Customer Incentive
Low-Pressure Drop Filters	Standard Coalescing Filter	Rated Low-Pressure Drop Filter where: 1. Pressure Loss at Rated Flow is ≤ 1psi, ≤ 3psi at element change 2. Particulate Filtration is 100% at ≥ 3.0 microns, 99.98% at 0.1 to 3.0 microns, ≤ 5 ppm liquid carryover 3. Filter is of deep-bed "mist eliminator"	1. Compressor must be ≥ 25 HP	\$0.80/scfm
Receiver Capacity Addition	Limited or no Receiver Capacity (≤ 2 gallons per scfm of compressor capacity)	Receiver capacity > 2 gallons per scfm of compressor capacity	1. Compressor must use load/unload controls without inlet modulation or on/off control. 2. Systems with a VFD or using variable displacement control are not eligible.	\$1.50/gallon above 2 gallons per scfm
Refrigerated Cycling Dryers	Non-Cycling Refrigerated Dryer	Cycling Refrigerated Dryer	1. Rated dryer capacity must be ≤ 500 scfm 2. Dryer must operate exclusively in cycling mode and cannot be equipped with the ability to select between cycling and non-cycling mode 3. Refrigeration compressor must cycle off during periods of reduced dem	\$1.50/scfm
VFD Controlled Compressor	Compressor 75 hp or Smaller	VFD-Controlled Oil-Injected Screw Compressor	1. Compressor must adjust speed as primary means of capacity control 2. Compressor must not use inlet modulation when demand is below minimum speed air production	\$0.15/kWh See Note 4
Zero Loss Condensate Drains	Fixed Timer Drain	Zero Loss Condensate Drain (See Note 5)	<b>Drain is designed to function without release of compressed air into the atmosphere</b>	\$90 each
Outside Air Intake	Compressor intake drawing air from compressor room	Permanent ductwork between compressor air intake and outdoors	<b>Ductwork must meet manufacturer's specifications, which may include: (a) ≤ 0.25" W.C. pressure loss at rated flow, and (b) allow use of compressor room air during extremely cold conditions</b>	\$6.00/hp

### Notes for compressed air incentive table

1. Eligibility for incentives is limited to customers with compressed air system(s) containing a single operating compressor less than or equal to 75 hp in size. Multiple compressor systems and compressors larger than 75hp will not be eligible for incentives listed above.
  2. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
  3. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.
  4. Incentives for VFD-controlled compressors are calculated based on compressor size and other system parameters at \$0.15/kWh annual energy savings. Energy savings subject to approval by Pacific Power.
  5. Zero Loss Condensate Drains purchased as requirements for other compressed air measures are eligible for incentive
- SCFM = Cubic Feet of air per Minute at standard conditions (14.5 psia, 68°F, and 0% relative humidity)

## Incentives for Other Energy Efficiency Measures

Equipment Type	Replace	Minimum Efficiency Requirements	Customer Incentive
Network PC Power Management Software	--	1. Installed software must automatically control the power settings of networked personal computers (PC) at the server level 2. The software must manage power consumption for each individual PC 3. The software must include the capability to report energy	\$7 per controlled PC (up to 100% of measure costs)
Smart Plug Strip	--	Incentive applies to any plug strip that eliminates idle or stand-by power consumption of connected plug-load appliance through the use of an occupancy sensor, electric load sensor, or timer.	\$15/qualifying unit
Beverage or refrigerated display machine occupancy sensor	No occupancy sensor control	See Note 4	\$75/sensor

### Notes for other energy efficiency measures incentives table

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Incentives for all equipment listed in the incentive table are available via a post-purchase application process.
3. All equipment listed in the table will be eligible for incentives in new construction or retrofit projects.
4. Intended for refrigerated vending machines and display cases containing only non-perishable bottled and canned beverages. Refurbished equipment that includes occupancy control is eligible.
5. Energy Efficiency Measure Costs for Network PC Power Management Software are subject to Pacific Power approval.

## **2.6 Energy FinAnswer (Schedule 125)**

Program details for this program are contained in the program tariff. Any changes to the details included in the program tariff must be filed and approved by the Commission prior to becoming effective.

PACIFIC POWER & LIGHT COMPANY

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SCHEDULE 125  
COMMERCIAL AND INDUSTRIAL ENERGY SERVICES  
OPTIONAL FOR QUALIFYING CUSTOMERS

PURPOSE:

Service under this Schedule is intended to maximize the efficient utilization of the electricity requirements of new and existing loads in Commercial and Industrial Facilities by promoting the installation of Energy Efficiency Measures.

APPLICABLE:

To service under the Company's General Service Schedules 24, 33, 36, 40, 47T, 48T and 54 in all territory served by the Company in the State of Washington. This Schedule is not applicable to existing Commercial Buildings under 20,000 square feet. Square footage is the total Building or Facility area served by the Company's meter(s).

DEFINITIONS:

**Annual kWh Savings:** The annual kilowatt-hour (kWh) savings resulting from installation of the Energy Efficiency Measures, as estimated by Company using engineering analysis.

**Average Monthly kW Savings:** The Average Monthly kilowatt (KW) savings resulting from the installation of Energy Efficiency Measures as estimated by Company using engineering analysis as described below:

Average monthly KW Savings = (baseline average monthly kW - proposed average monthly kW), where:

- ⇒ Average monthly kW = sum of the 12 Monthly Maximum kW/12, where
- ⇒ Monthly Maximum kW = highest of all 15 minute average kW (as determined below)
- ⇒ 15 minute average kW = sum of kWh used over 0.25 hrs /0.25 hrs

(Continued)

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By Andrea Kelly Andrea L. Kelly Title Vice President, Regulation  
TF2 125.1E

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SCHEDULE 125  
COMMERCIAL AND INDUSTRIAL ENERGY SERVICES  
OPTIONAL FOR QUALIFYING CUSTOMERS

DEFINITIONS: (continued)

**Baseline Level:**

**Baseline Adjustments:** Company may adjust baseline electric energy consumption and costs during engineering analysis to reflect any of the following: energy codes, standard practice, changes in capacity, changes in production or facility use and equipment at the end of its useful life. For existing fixtures, baseline wattages for all fluorescent lighting Energy Efficiency Measures in all facilities shall be the lesser of existing equipment or the energy efficient magnetic ballast and energy saving lamp combination listed in the lighting table available on the Washington energy efficiency program section of the Company web site.

**Commercial Building:** A structure that is served by Company and meets the applicability requirements of this tariff at the time an Energy Efficiency Incentive Agreement is executed which does not meet the definition of an Industrial Facility.

**Commissioning:** The process of verifying and documenting that the performance of electric energy using systems meets the design intent and owner's operational requirement.

**Customer:** Any party who has applied for, been accepted and receives service at the real property, or is the electricity user at the real property.

**Energy Efficiency Incentive:** Payment of money made by Company to Owner or Customer for installation of an Energy Efficiency Project pursuant to an executed Energy Efficiency Incentive Agreement.

(Continued)

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SCHEDULE 125  
COMMERCIAL AND INDUSTRIAL ENERGY SERVICES  
OPTIONAL FOR QUALIFYING CUSTOMERS

DEFINITIONS: (continued)

**Energy Efficiency Incentive Agreement:** An agreement between Owner or Customer and Company providing for Company to furnish Energy Efficiency Incentive with respect to Energy Efficiency Project pursuant to this tariff schedule.

**Energy Efficiency Measure (EEM):** A permanently installed measure specified in an Energy Efficiency Incentive Agreement which can improve the efficiency of the Customer's electric energy use. EEMs designed to primarily reduce Average Monthly kW must also reduce electric energy use to be eligible for Energy Efficiency Incentives.

**Energy Efficiency Measure (EEM) Cost:**

New construction: EEM Cost is the total installed cost of the energy efficient equipment or system minus the cost of the code compliance/common practice equipment or system.

Major Renovation: EEM Cost is the total installed cost of the energy efficient equipment or system minus the cost of the code compliance/common practice equipment or system.

Retrofit: EEM Cost is the total installed cost of the energy efficiency equipment or modification.

In the case of new construction, major renovation and retrofits, EEM Costs shall mean the Owner or Customer's reasonable costs incurred (net of any discounts, rebates or incentives other than Energy Efficiency Incentives from the Company, or other consideration that reduces the final actual EEM Cost incurred by the Owner or Customer) to purchase and install EEMs at the Owner or Customer's facility. If the Owner or Customer installs the EEM then the cost of installation shall be equal to the Owner's or Customer's actual labor costs for such installation.

For Energy Efficiency Projects involving EEM(s) that save both natural gas and electricity where the Owner or Customer can reasonably expect to receive an incentive from their gas company, the EEM Cost will be pro-rated prior to calculating the Energy Efficiency Incentive. This does not apply to design assistance projects.

**Energy Efficiency Project:** One or more EEM(s) covered by one Energy Efficiency Incentive Agreement. Annual kWh and Average Monthly kW savings for an Energy Efficiency Project shall be the sum of the individual EEM values.

**Energy Efficiency Project Cost:** Energy Efficiency Project cost shall be the sum of the individual EEM costs.

**Industrial Facility:** Buildings and process equipment associated with manufacturing.

**Mixed Use:** Buildings served by a residential schedule and a rate schedule listed under **Applicable** shall be eligible for services under this schedule provided the Energy Efficiency Project meets the definition of New  
(Continued)

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By Andrea Kelly Andrea L. Kelly Title Vice President, Regulation

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Advice No. 09-04  
PacifiCorp's Ten-Year Conservation Potential and

Form F

2010-2011 Biennial Conservation Target Report

Attachment A

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SCHEDULE 125  
COMMERCIAL AND INDUSTRIAL ENERGY SERVICES  
OPTIONAL FOR QUALIFYING CUSTOMERS

DEFINITIONS: (continued)

**New Construction:** A newly constructed facility or newly constructed square footage added to an existing facility.

**Major Renovation:** A change in facility use type or where the existing system will not meet Owner/Customer projected requirements within existing square footage.

**Owner:** The person who has both legal and beneficial title to the real property specified in an Energy Efficiency Incentive Agreement or Energy Services Agreement or who is the mortgagor under a duly recorded mortgage or the grantor under a duly recorded deed of trust or a purchaser under a duly recorded agreement with respect to such real property.

**Retrofit:** Changes, modifications or additions to systems or equipment in existing facility square footage.

**Supplemental Services Agreement:** An agreement between Owner or Customer and Company providing for Company to furnish Supplemental Services with respect to Supplemental Services section of this Tariff Schedule.

INCENTIVES FOR ENERGY EFFICIENCY PROJECTS:

**Energy Efficiency Incentives:** The Energy Efficiency Incentive made by the Company for installation of EEMs pursuant to an Energy Efficiency Incentive Agreement shall be the **lesser** of the sum of (a) and (b) **OR** (c):

- (a) \$0.15/kWh for the Energy Efficiency Project Annual kWh savings as determined using Company provided or approved engineering analysis;
- (b) \$50/kW for the Energy Efficiency Project Average Monthly kW savings determined using Company provided or approved engineering analysis.
- (c) 60 percent of the Energy Efficiency Project Cost as determined by the Company.

Energy Efficiency Projects are eligible for Energy Efficiency Incentives per Table 1.

(Continued)

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**PACIFIC POWER & LIGHT COMPANY**

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SCHEDULE 125  
 COMMERCIAL AND INDUSTRIAL ENERGY SERVICES  
 OPTIONAL FOR QUALIFYING CUSTOMERS

Table 1

Program track	Design Assistance	Standard	Standard	Standard
Project Scope	Comprehensive	System	System	System
Type	New Construction/ Major renovation	New Construction/ Major renovation	New Construction/ Major renovation	Retrofit
Energy code applies	Yes	Yes	No	No
<b>Owner/Customer Energy Efficiency Incentive caps applied to the Energy Efficiency Project</b>				
60 % of project cost cap	No	Yes	Yes	Yes
1 yr simple payback cap	No	Yes	Yes	Yes
Lighting savings cap	No	50%	50%	50%
Energy savings threshold	Must exceed code by 10% - whole building electric basis	Qualifying equipment must exceed code	none	none
<b>Design team incentives</b>				
Honorarium	Yes	Yes	Not available	Not available
Design Incentive	Based on project size	Not available	Not available	Not available

(Continued)

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By Andrea Kelly Andrea L. Kelly

Title Vice President, Regulation

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INCENTIVES FOR ENERGY EFFICIENCY PROJECTS: (continued)

All proposed Energy Efficiency Measure costs are subject to Company review and approval prior to offering an Energy Efficiency Incentive Agreement. All final Energy Efficiency Measure costs are subject to Company review and approval prior to paying an Energy Efficiency Incentive per the terms of an Energy Efficiency Incentive Agreement. Company review and approval of Energy Efficiency Measure costs may require additional documentation from the Customer or Owner.

For the purposes of calculating maximum annual electric savings resulting from lighting, electric savings resulting from lighting interaction with mechanical equipment and from lighting controls will be considered to be lighting savings.

The ten percent whole building energy savings threshold shall be calculated as follows: The Energy Efficiency Project must reduce the proposed electric energy consumption by at least 10% when compared to the baseline level of whole building electric consumption that would have resulted under the current Washington energy code. The date of the building permit application shall establish the current version of the code.

The Customer or Owner may receive only one financial incentive from the Company per EEM. Design team incentives are available per Table 1 and the terms posted on the Washington energy efficiency program page of the Company web site.

PROVISIONS OF SERVICE:

(1) **Energy Analysis**

Company shall meet with Customer or Owner and any design team and may perform an initial site visit/plans review to determine what EEMs may be appropriate for an energy analysis.

(2) **Supplemental Services**

Company may offer Supplemental Services beyond those described elsewhere in this Tariff Schedule through a Supplemental Services Agreement. Supplemental services shall include, but are not limited to: detailed design, life cycle costs calculations or compliance documentation for green or high performance building standards. Company will negotiate the amount and terms of the supplemental services on a project specific basis and may require any or all of the following: installation of EEMs delivering a certain amount of annual kWh savings, offset of a portion of the available incentive or direct reimbursement of a portion (up to 100%) of the direct Company costs for the service provided.

(Continued)

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PacificCorp's Ten-Year Conservation Potential and  
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PROVISIONS OF SERVICE: (continued)

(3) **EEM Inspection**

Company will inspect any EEMs which are funded by or installed under this program. Satisfactory inspection by Company will be required prior to receiving Energy Efficiency Incentives specified in the Energy Efficiency Incentive Agreement.

(4) **EEM Commissioning**

Company will require that EEMs as specified in the Energy Efficiency Incentive Agreement be commissioned prior to receiving Energy Efficiency Incentives specified in the Energy Efficiency Incentive Agreement.

(4a) **Commissioning Opt-Out:** Required EEM Commissioning may be omitted with the following adjustments. Annual kWh savings, Average Monthly kW savings and eligible EEM Costs will all be reduced by 20% prior to calculation of the eligible Energy Efficiency Project Incentive. EEMs where the Owner or Customer has "opted-out" of EEM Commissioning that are later commissioned are not eligible for an additional incentive after the Energy Efficiency Project Incentive is paid.

(5) **Measure Performance Verification/Evaluation**

Company may verify or evaluate the energy savings of installed Energy Efficiency Measures specified in the Energy Efficiency Incentive Agreement. This verification may include a telephone survey, site visit, review of plant operation characteristics, and pre- and post-installation of monitoring equipment as necessary to quantify actual energy savings.

(6) **Minimum Equipment Efficiency**

For Retrofit Energy Efficiency Projects, EEMs must meet minimum equipment efficiency levels and equipment eligibility requirements in Schedule 115 to be eligible for incentives available under this Schedule.

(7) **Prior Energy Service program participation requirements and definitions:**

- Energy Efficiency Payments are not available to Owners after July 16, 2001. The elimination of the Energy Service Charge portion associated with Schedule 125 does not affect Energy Service Charges' currently outstanding and obligations pursuant to an executed Energy Services Agreement remain in effect until the Energy Efficiency Payment with interest is re-paid in full.
- **Energy Efficiency Payments:** Any payments of money made by Company to Owner for installation of EEMs pursuant to an Energy Services Agreement.
- **Energy Services Agreement:** An agreement between the Owner and the Company providing for Company to furnish or provide Energy Efficiency Payments with respect to EEMs pursuant to this Tariff Schedule.

(Continued)

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PROVISIONS OF SERVICE: (continued)

• **Energy Services Charge:** As specified in the Energy Services Agreement, the monthly Energy Services Charge is that monthly payment required to repay the Energy Efficiency Payments, with interest at the Melded Interest Rate or the Performance Guarantee Interest Rate as applicable, in equal monthly payments over the term specified in the Energy Services Agreement.

(8) **Fuel Switching**

Energy Efficiency Incentives will not be made available to induce fuel switching by Owner.

(9) **Design team incentives**

Company may offer incentives to a design team member with current professional certification including architects and engineers. Incentives are available per Table 1 and include honorariums and design incentives.

Honorariums are designed to encourage early initial Company consultation on Owner/Customer's design and plans. Honorariums will be equally available to all professionally certified architects and engineers for Washington projects within Company's territory and will be limited to one honorarium per project.

Design incentives will be offered to all professional certified architects and engineers for Washington projects within Company's territory. Payment of incentives to the design team will require final construction documents include an efficient design meeting Company requirements. Incentives will be based on the square footage of the project and limited to one per project.

Additional conditions for design team incentives will be available on the Washington energy efficiency program section of the Company's web site and may be changed with 45 days notice posted on the web site.

RULES AND REGULATIONS:

Service under this Schedule is subject to the General Rules and Regulations contained in the tariff of which this Schedule is a part, and to those prescribed by regulatory authorities.

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