

2014-2015

Biennial Conservation Report

Washington

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# Introduction

Pacific Power & Light Company (Pacific Power or Company), a division of PacifiCorp, submits this 2014-2015 Biennial Conservation Report to the Washington Utilities and Transportation Commission (Commission) and the Energy Independence Act (I-937) Commerce Conversation Report to Washington Department of Commerce (Commerce) in response to reporting requirements established as part of the Energy Independence Act. The report is consistent with RCW 19.285.70 which states:

1. *On or before June 1, 2012, and annually thereafter, each qualifying utility shall report to the department on its progress in the preceding year in meeting the targets established in RCW 19.285.40, including expected electricity savings from the biennial conservation target, expenditures on conservation, actual electricity savings results, the utility’s annual load for the prior two years, the amount of megawatt-hours needed to meet the annual renewable energy target, the amount of megawatt-hours of each type of eligible renewable resource acquired, the type and amount of renewable energy credits acquired, and the percent of its total annual retail revenue requirement invested in the incremental cost of eligible renewable resources and the cost of renewable energy credits.”*

This report is also consistent with the guidelines set forth in the revised WAC 480-109-100(3) and Condition (8)(e) in Docket UE-132047, Order 01, addressing reporting requirements.

As directed in Docket UE-100523 memorandum dated May 4, 2012, two separate filings will be submitted for “Conservation” and “Renewables”. This report is addressing the Conservation target and savings.

Consistent with the requirement to pursue all cost-effective, reliable, and feasible conservation, the Company completed a comprehensive conservation potential assessment followed by economic resource screening and selection through the Company’s Integrated Resource Planning process. The resulting ten-year conservation forecast, with adjustments as appropriate to account for new information, and biennial target was filed with and approved by the Commission in Docket UE-132047.

# Executive Summary

The Company has achieved its 2014-2015 Biennial Conservation Target as set forth in Docket UE-132047, PacifiCorp’s Ten-Year Conservation Potential and 2014-2015 Biennial Conservation Target.

A summary of 2014-2015 electric conservation targets, expenditures and savings results are provided below.



Consistent with the conditions established by the Commission in Docket UE-132047 Order 01, the cost-effectiveness has been determined based on the Total Resource Cost (TRC) test incorporating the 10 percent conservation benefit and risk adder consistent with the Northwest Power and Conservation Council’s approach. Using this test, the benefit to cost ratio for the Company’s 2014-2015 Biennial Conservation savings was 1.73[[1]](#footnote-1)[[2]](#footnote-2).

Working in partnership with its customers, Commission staff, and demand side management advisory group members, the Company achieved these results while adhering to the conditions established by the Commission in Docket UE-132047. Appendix 1 of this report summarizes the Company’s compliance.

# Energy Independence Act (I-937) Commerce Conservation Report





# Biennial Target Compared to Actual







# Savings Reporting Adjustments

In the Washington Conservation Working Group, parties agreed “to the extent practicable, there should be consistency between the use of prescriptive unit energy savings estimates in the establishment of the biennial target and the reliance on those same savings estimates in the utility’s demonstration that it met the biennial target.”[[3]](#footnote-3) Consistent with this approach, the results provided in the Company’s 2014 and 2015 Annual Reports on Conservation Acquisition have been adjusted, incorporating the key planning assumptions used in establishing the 2014-2015 target. The adjustments are discussed in detail in the following sections.

**wattsmart Business**

The Washington Savings Verification and Reporting Process Review identified a discrepancy in savings associated with a specific lighting project.[[4]](#footnote-4)

During one of the seven lighting project site visits that had post-inspections completed, the visit revealed significantly lower operation hours for a specific set of fixtures than what was reported. Specifically, 8,064 hours was used in estimating the program savings when actually the set of fixtures were in use only 10 hours per day, five days per week, which was also the case in the baseline condition. Since the sample size was too small to generalize the finding to a broader population of lighting measures, the third party review team concluded that the savings adjustment should only be applied to the measure in which it was observed and not be applied generally.

The resulting adjustment represents a decrease of 21,858 kWh at site for this project, reducing savings from 35,497 kWh to 13,639 kWh. Adjustment for 2015 is a decrease of 23,941 kWh at generation.

**Home Energy Reports**

A third party impact evaluation has recently been completed on Washington’s Home Energy Reports program for program years 2014-2015. Results from the evaluation provided verifiable energy savings that were achieved by customers who were participants in Home Energy Reports program for the Legacy, Expansion, and Refill waves.

As a result, the Company is adjusting the reported savings from this program to reflect the verified net savings from the evaluation. The most significant reason for the increase to savings is a result of the reduction taken in the Company’s reporting system of a seven percent reduction to the savings reported by OPower to the Company. This adjustment was applied during the initial planning and delivery phases of the program to account for potential “overlap” between customer actions that are behavioral and directly attributable to the Home Energy Reports and longer term actions such as appliance replacements or lighting upgrades. The adjustment was applied before program specific evaluation results being available. Now that two evaluations have been completed and measured the extent of the overlap between the Home Energy Reports program savings and savings reported through other programs, the seven percent placeholder was removed as part of the application of ex-post evaluation results the savings previously reported.

The impact on savings reporting adjustments is provided in Tables 1 and 2.

**Table 1**

**2014 Home Energy Reports Adjustment Calculations**



**Table 2**

**2015 Home Energy Reports Adjustment Calculations**



**Northwest Energy Efficiency Alliance (NEEA)**

NEEA estimated savings in the Company’s Washington service territory resulting from its initiatives based on the same baseline assumptions used in the development of the Company’s 2014-2015 biennial conservation target.[[5]](#footnote-5) NEEA’s savings are relative to the Northwest Power and Conservation Council’s 6th Plan baselines for 2014 and proxy 7th Plan baselines for 2015. Consistent with the Company’s 2014-2015 Biennial Conservation Plan, 2014 savings identified by NEEA were adjusted to better align with the Company’s 2013 Conservation Potential Assessment, as shown in Table 3 below.

**Table 3**

**NEEA 2014-2015 Savings Calculations**



Savings reported from NEEA initiatives in the Company’s 2014 and 2015 annual reports were based on preliminary estimates provided by NEEA at the time those reports were created. The savings calculation adjustment is provided in Table 4.

**Table 4**

**Revised NEEA 2014 and 2015 Savings**



**Production Efficiency**

Years of Implementation

The Company began a detailed study of the potential energy savings from production efficiency in 2011; with the initial implementation of identified projects beginning in 2012. Final study work was completed in 2012.

Program Description

In 2011, the Company began studying potential energy efficiency upgrades to the electrical systems at the thermal and wind power production facilities. The Company fully owns one thermal plant that provides power to Washington State as well as four wind projects. The Company jointly owns two additional thermal plants, Jim Bridger and Hermiston and Colstrip unit 4 that also provide power to Washington.

Program Details

Project work began in 2014 at the Hermiston power plant based on studies completed in 2011. Before construction, the Company required approval from the other plant owners for projects initially identified as cost-effective using the methodology described in Appendix 2—*Production Efficiency Economic Evaluation Methodology* of the Company’s Demand-side Management 2014-2015 Business Plan.

The Heating ventilating and Air Conditioning (HVAC) upgrades and the compressed air system upgrades at the Hermiston plant included in the proposed 2014-2015 target[[6]](#footnote-6) were completed after joint owner approval was received. The lighting project at Hermiston assessed in the Cascade Energy study (revision: March 12, 2013) was not originally included in the target based on initial economics but was completed during the biennial period after updated pricing led to a re-assessment of cost effectiveness and the joint owners approving their share of the expenditures.

 Table 5 details the specific projects completed in the 2014-2015 biennium.

**Table 5**

**2014-2015 Production Efficiency Projects**

|  |  |  |
| --- | --- | --- |
| **Projects** | **Expenditures** | **Savings (MWh)** |
| Lighting | $2,096 | 0.56 |
| HVAC Upgrade | $364 | 0.34 |
| Air Compressor Upgrades | $897 | 1.46 |
| **TOTAL** | **$3,357** | **2.36** |

Note: Expenditures and savings are adjusted by PacifiCorp ownership (50%) and Washington allocation (22.47%) consistent with planning assumptions utilized in the 2014-2015 Biennial Conservation Target Report, p. 25.

No production efficiency expenditures or savings were reported in 2014 Annual Report pending final project installations and reconciliation of expenditures which was complete in 2015. Production efficiency results are included as adjustments since they were not previously included in 2014 or 2015 annual report(s).

**Adjustment Summary**

The net effect of all adjustments applied to the 2014-2015 biennial savings is an increase of 4,110 MWh. These adjustments include the effects of line losses.

Table 6 provides detail by adjustment type in kWh and reporting year.

**Table 6**

**Adjustments by Type and Year (kWh at generation)**



# UES Baseline Analysis

As explained on Page 11 of the Company’s 2014-2015 Biennial Conservation Plan, consistent with reporting in previous biennia and the general consensus of parties to the 2011 Washington Conservation Work Group meetings, the savings reported in this document utilize the same baseline and other planning assumptions (i.e., “frozen) used to set the 2014-2015 biennial conservation target[[7]](#footnote-7). Planning assumptions were held constant over the biennial period to mitigate potential risk associated with updating savings assumptions based on RTF Unit Energy Savings (UES), program evaluation results, or other sources of savings values.

To quantify the level of risk associated with “floating” assumptions, the Company performed a parallel savings analysis to estimate what savings would have been during the 2014-2015 biennial period if assumptions were allowed to float. To perform this analysis, the Company chose to replicate Puget Sound Energy’s method of updating UES values once during the biennial period, effective January 1st of the second year based on updated information available by October 1st of the first year. The Company shared the proposed methodology with its DSM Advisory Group on March 18, 2015, and Advisory Group members agreed that the method was appropriate for the purpose of this risk assessment.

Table 7 shows the results of the floating UES analysis for affected measures. All of the updated UES values shown below are the result of RTF updates between October 2013 and September 2014. As shown, the total impact on reported 2015 savings is 3,300 MWh at site, or 3.3 percent of savings claimed towards satisfying the Biennial Conservation Target. While the percentage impact was relatively small during the 2014-2015 biennium, the analysis illustrates that many measures are affected by RTF updates and that floating UES values with these updates does create risk for a utility in meeting its biennial conservation target.

**Table 7**

**Impacts of Floating UES Values**

| **Program** | **Measure Name** | **Unit** | **Frozen UES (kWh/unit)** | **Updated UES (kWh/unit)** | **UES Change (kWh/unit)** | **2015 Unit Count** | **Floating UES Impact (kWh)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Home Energy Savings | Clothes Washers 3.2 MEF - Electric DHW & Electric Dryer | Measure | 143 | 211 | 68 | 117 | 7,956 |
| Home Energy Savings | Clothes Washers 3.2 MEF - Electric DHW & Gas Dryer | Measure | 54 | 84 | 30 | 0 | 0 |
| Home Energy Savings | Clothes Washers 3.2 MEF - Gas DHW & Electric Dryer | Measure | 106 | 151 | 45 | 39 | 1,755 |
| Home Energy Savings | Clothes Washers 3.2 MEF - Gas DHW & Gas Dryer | Measure | 16 | 24 | 8 | 7 | 56 |
| Home Energy Savings | Refrigerator (CEE Tier 2) Any Style | Measure | 46 | 47 | 1 | 1 | 1 |
| Home Energy Savings | Refrigerator (CEE Tier 3) Any Style | Measure | 85 | 88 | 3 | 1 | 3 |
| Home Energy Savings | Air Sealing - Any Electric Heating System | Sq. ft. |  0.46  |  0.45  |  (0.01) | 2,764 | (28) |
| Home Energy Savings | Attic Insulation - Any Electric Heating System - No Existing Insulation | Sq. ft. | 2.24  |  2.14  |  (0.10) | 40,673 | (4,067) |
| Home Energy Savings | Attic Insulation - Any Electric Heating System | Sq. ft. | 0.70  |  0.26  |  (0.44) | 108,356 | (47,677) |
| Home Energy Savings | Floor Insulation - Any Electric Heating System | Sq. ft. | 1.29  |  0.76  |  (0.53) | 50,056 | (26,530) |
| Home Energy Savings | Wall Insulation - Any Electric Heating System | Sq. ft. | 1.52  | 1.32  |  (0.20) | 22,620 | (4,524) |
| Home Energy Savings | Energy Savings Kit - CFL | Measure | 60 | 32 | (28) | 961 | (26,908) |
| Home Energy Savings | Energy Savings Kit - LED | Measure | 63 | 40 | (23) | 95 | (2,208) |
| Home Energy Savings | Energy Savings Kit - Basic - 1 Bathroom | Measure | 268 | 240 | (28) | 2,024 | (56,672) |
| Home Energy Savings | Energy Savings Kit - Basic - 2 Bathrooms | Measure | 465 | 437 | (28) | 3,083 | (86,324) |
| Home Energy Savings | Energy Savings Kit - Best - 1 Bathroom | Measure | 271 | 248 | (23) | 119 | (2,766) |
| Home Energy Savings | Energy Savings Kit - Best - 2 Bathrooms | Measure | 468 | 445 | (23) | 403 | (9,366) |
| Home Energy Savings | Energy Savings Kit - Better - 1 Bathroom | Measure | 268 | 240 | (28) | 21 | (588) |
| Home Energy Savings | Energy Savings Kit - Better - 2 Bathrooms | Measure | 465 | 437 | (28) | 77 | (2,156) |
| Home Energy Savings | Ductless Heat Pump | Measure | 3,500 | 2,861 | (639) | 84 | (53,676) |
| Home Energy Savings | Manufactured Homes Ductless Heat Pump | Measure | 3,500 | 2,861 | (639) | 5 | (3,195) |
| Home Energy Savings | New Homes Ductless Heat Pump | Measure | 3,500 | 2,861 | (639) | 7 | (4,473) |
| Home Energy Savings | ENERGY STAR Fixture - CFL - Downstream | Measure | 49 | 12 | (37) | 38 | (1,410) |
| Home Energy Savings | ENERGY STAR Fixture - CFL - Upstream | Measure | 49 | 12 | (37) | 237 | (8,795) |
| Home Energy Savings | ENERGY STAR Fixture - LED - Downstream | Measure | 49 | 12 | (37) | 916 | (33,991) |
| Home Energy Savings | ENERGY STAR Fixture - LED - Upstream | Measure | 49 | 12 | (37) | 15,228 | (565,083) |
| Home Energy Savings | CFLs - General Purpose - Retail | Measure | 16 | 10 | (6) | 187,393 | (1,206,811) |
| Home Energy Savings | LEDs - General Purpose (Omnidirectional) - Retail | Measure | 16 | 10 | (6) | 87,288 | (543,804) |
| Home Energy Savings | CFLs - Specialty - Retail | Measure | 17 | 12 | (5) | 37,093 | (177,305) |
| Home Energy Savings | LEDs - Specialty (Decorative and Directional) - Retail | Measure | 29 | 20 | (8) | 47,886 | (389,313) |
| Home Energy Savings | HPWH - Tier 1 - 50 to 75 gallons - Any Heat Type - Unheated Buffer Location  | Measure | 881 | 887 | 6 | 3 | 18 |
| Home Energy Savings | HPWH - Tier 1 - 50 to 75 gallons - Electric Furnace Heated Home - Interior Location  | Measure | 556 | 556 | 0 | 2 | 0 |
| Home Energy Savings | HPWH - Tier 1 - 50 to 75 gallons - Heat Pump Heated Home - Interior Location | Measure | 1,189 | 1,189 | 0 | 5 | 0 |
| Home Energy Savings | HPWH - Tier 1 - greater than 75 gallons - Any Heat Type - Unheated Buffer Location | Measure | 1,811 | 1,817 | 6 | 3 | 18 |
| Home Energy Savings | HPWH - Tier 2 - any tank size >= 50 gallons - Any Heat Type - Unheated Buffer Location | Measure | 1,786 | 1,794 | 8 | 7 | 56 |
| Home Energy Savings | HPWH - Tier 2 - any tank size >= 50 gallons - Gas Heated Home - Interior Location | Measure | 1,726 | 1,724 | (2) | 2 | (4) |
| Home Energy Savings | New Homes HPWH - Tier 1 - 50 to 75 gallons - Heat Pump Heated Home - Interior Location | Measure | 1,189 | 1,189 | 0 | 13 | 0 |
| Home Energy Savings | New Homes HPWH - Tier 2 - any tank size >= 50 gallons - Heat Pump Heated Home - Interior Location | Measure | 1,297 | 1,243 | (54) | 7 | (378) |
| Home Energy Savings | New Homes HPWH - Tier 2 - any tank size >= 50 gallons - Zonal Electric Heated Home - Interior Location | Measure | 994 | 952 | (42) | 0 | 0 |
| **Home Energy Savings Total** |  |  |  |  |  |  | **(3,248,187)** |
| wattsmart Business | Anti-Sweat Heater Controls - Low Temp | Linear ft. | 378 | 230 | (148) | 399 | (59,264) |
| wattsmart Business | Anti-Sweat Heater Controls - Med Temp | Linear ft. | 233 | 369 | 136 | 28 | 3,746 |
| **wattsmart Business Total** |  |  |  |  |  |  | **(55,518)** |
| **Portfolio Total** |  |  |  |  |  |  | **(3,303,705)** |

# Summary of Adaptive Management Actions for the 2014-2015 Washington Programs

**Home Energy Savings Program**

The program was updated at the beginning of 2014 to align measures, savings,

and incentives with market conditions, the latest regional information and

Company planning assumptions used to develop the 2014-2015 biennial target.

Key updates included adding mail-by-request energy savings kits, providing full

funding for manufactured home duct sealing for customers with electric ducted

heating systems, adding incentives for comprehensive whole home upgrades,

adding a multi-family specific measure category and shifting incentives for new

homes to a whole home performance basis.

An updated program website, launched in April 2014, provided simpler

navigation, direct paths to apply for incentives, enhanced customer support and

“self-help” content on a platform that improved usability, especially for mobile

devices. All incentive applications were updated in early 2014 to minimize length

and an online incentive application process was added for light fixtures and

appliances. Online applications were added for insulation/air sealing, duct

sealing/duct insulation and central air conditioning equipment in 2015.

During the biennial period, lighting promotions shifted from CFLs to LEDs in

response to shifting customer preferences and product availability. Recognizing

the higher relative costs of LEDs (when compared to CFLs), promotions focused

on opportunities where partners (retailers and manufacturers) also made direct

contributions (in addition to program incentives) to lowering the final cost to the

customer.

During the last two quarters of 2015, CLEAResult (the program implementer)

worked with the Company to identify new measures, measure updates and

delivery channel changes for the next biennial period. Changes were provided to

the DSM Advisory group for review and comment in mid-October and took effect

at the beginning of January 2016. Highlights of the changes included updating

unit energy savings for LEDs and CFLs with the latest RTF values, moving light fixture incentives upstream, adding incentives for emerging technology or pilot

measures including advanced power strips, Wi-Fi enabled programmable

thermostats and heat pump clothes dryers, sun setting incentives for refrigerators

and freezers based on updated federal standards and modifying incentive delivery

channels for new high performance manufactured homes.

**Appliance Recycling**

Pickup and recycling services available under the program were expanded to

include all customer classes in April 2014. In late 2015, as part of the planning

process for the next biennial period, the company received updated program

evaluation information on new (and lower) unit energy savings (which was

consistent with comparable RTF data) for recycled appliances. The forecasted

cost-effectiveness utilizing new unit energy savings from the Company’s program

evaluation was sub-optimal and the company received approval to cancel the

program effective January 1, 2016.

In late November 2015, the Company was notified that the program

implementation contractor had entered into a voluntary receivership, that

scheduled pickups had been cancelled, operations had ceased and recent customer

incentive checks may not be honored by the bank. The Company immediately

posted this information on the program website and utilized another vendor to

contact the affected customers to inform them the pickup was cancelled. During

December, the Company developed a process to pay outstanding incentives and

any bank fees incurred by customers. Also in December, the Company began an

expedited sole source procurement process to contract for remedial or “clean-up”

appliance recycling services for customers who had pick-ups scheduled and

cancelled. A contract for these services was executed in late December.

**Home Energy Reports**

During the second and third quarters of 2014, the Company met with the DSM

Advisory group and outlined plans to expand the Home Energy Reports offer to a

larger group of customers. These plans included detailed discussions and

exchange of information on a number of the key expansion assumptions,

including one vs. two year measure life, persistence of the savings, impacts of

allowing all customers access to web tools and the evaluation plans. The

Company received approval to expand the program to an additional 38,500

customers in September 2014. These customers received their initial reports in

October 2014 and reports were mailed monthly for the initial three months in

order to build program awareness. Following this initial three month period,

report frequency moved to bi-monthly for the remainder of the program.

In January 2015, an additional group of 6,626 customers began receiving reports

to help offset attrition and lower energy savings than expected from the initial group. Savings delivered from the combined (legacy and expansion) group and

the analysis of the two year measure life from the last biennial period was an

integral part of developing the target and measure life assumptions for the current

biennial period.

**Low Income Weatherization**

The Company’s program manager is regularly engaged with the three local

agencies that administer the Low Income Weatherization program in Pacific

Power’s territory and the Washington State Department of Commerce on a range

of issues including, but not limited to availability of Match Maker funding,

measure list comparisons and installation prioritization. Based on the on-going

engagement and partnering agency requests, program modifications were

proposed in late 2015. Changes included an updated measure list, updated

efficiency and eligibility requirements and updated measure life information used

to calculate savings-to-investment ratios. Modifications were approved and took

effect in January 2016.

**wattsmart Business**

The legacy FinAnswer Express and Energy FinAnswer programs for commercial

and industrial customers were consolidated into a single program, wattsmart

Business, effective January 1, 2014. Key changes included adding incentives for

energy management activities, updating the commercial lighting baseline and

updating incentives and measure availability to reflect market conditions and the

latest regional information, as applicable.

In October 2014, the program was modified to add an enhanced incentive offer of

up to 80 percent of the cost of lighting upgrades for small business customers on

selected rate schedules. In addition, flexibility was added for the energy savings

goal threshold for Energy Project Manager co-funding, lighting categories and

incentives were adjusted for technology and market conditions, incentives for

Network Power PC Management were adjusted and measure definition and

incentive availability for some irrigated agriculture sprinkler equipment were

modified.

In June 2015, a midstream incentive delivery channel for certain lighting

measures was added. This change provided an instant, point-of-purchase discount

for LEDs and retrofit kits sold through qualifying local distributors. Incentives for

the same equipment offered through the lighting retrofit project channel were

modified to accommodate the midstream lighting offer. In addition, all interior

general illuminance retrofit LEDs were consolidated into one pay-for-savings

category and incentive availability small air conditioner and heat pumps were

adjusted to align with updated federal standards.

During the last two quarters of 2015, the Company and its delivery contractor

worked together to identify new measures and changes to existing measure and

delivery channels for the next biennial period. Key modifications include adding

incentives for waste heat to power and regenerative technologies to support the

Company’s approach to pilots, modify the deemed baseline for linear fluorescent

lighting retrofits in response to market data indicating electronic ballasts meeting

the new standard now represent the industry standard baseline, sunset incentives

metal halide fixtures coincident with revised federal standards that will take effect

in early 2017, add incentives for exterior LED dimming controls and add a usage

threshold and cost effectiveness reviews to eligibility criteria for the enhanced

small business lighting offer.

# Supporting Documents for Conservation

Provided below are links to supporting documents relied upon in support of the Company’s planning assumptions and associated reporting of actual savings results for the Biennial Conservation Target for 2014 and 2015.

1. Assessment of Long-Term, System-Wide Potential for Demand-Side and Other Supplemental Resources, Volume 1 through Volume 5 – Conservation Potential Assessment

          <http://www.pacificorp.com/es/dsm.html>

1. 2014 and 2015 Annual Report(s) on Conservation Acquisition

          <http://www.pacificorp.com/es/dsm/washington.html>

1. Report on its Ten-year Achievable Conservation Potential and its Biennial Conservation Target for 2014 and 2015, filed in Docket UE-132047 on November 1, 2013.

<http://www.utc.wa.gov/docs/Pages/DocketLookup.aspx?FilingID=132047>

1. Demand-side Management Business Plan(s) including November 2014 Update filed in Docket UE-132047.

<http://www.utc.wa.gov/docs/Pages/DocketLookup.aspx?FilingID=132047>

1. Independent third-party process and impact evaluations completed during the 2014-2015 biennium, validating program results, assessing ex-post program savings and providing information used to inform future conservation potential assessments, conservation forecasts and the establishment of targets.

          <http://www.pacificorp.com/es/dsm/washington.html>

1. Collaborative group documents completed that are used to demonstrate Company’s and other utilities’ alignment with planning methodologies used by the Northwest Power and Conservation Council. This document with Company specific information is provided as Appendix 3 Comparison of Regional Methodologies of the Company’s Ten-year Achievable Conservation Potential and its Biennial Conservation Target for 2012 and 2013, filed in Docket UE-111880 on January 31, 2012.

<http://www.utc.wa.gov/docs/Pages/DocketLookup.aspx?FilingID=111880>

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# Appendices

## Appendix 1 – 2014-2015 Plan Condition Requirements and Compliance

## Appendix 2 – Washington Verification of Savings Review

## Appendix 3 – NEEA Memorandum of 2014-2015 Final Savings

1. The cost effectiveness result includes non-energy benefits for the Company Achieved Conservation savings. The Total Achieved Conservation savings, including NEEA, is 1.75. [↑](#footnote-ref-1)
2. Low Income Weatherization program is not included in the portfolio cost effectiveness analysis per WAC 480-109-100(10)(b). [↑](#footnote-ref-2)
3. Washington Conservation Working Group Consensus Document as of June 30, 2011. [↑](#footnote-ref-3)
4. See Appendix 2 of this report for the Savings Verification Report in support of Docket UE-132047 Order 01 section (6)(f). [↑](#footnote-ref-4)
5. See memo from NEEA, Appendix 3 of this report. [↑](#footnote-ref-5)
6. The original target included a range (in MWh) which reflected uncertainty in the production efficiency forecast. The Commission approved the Company’s proposed target as a single number equal to the lower end of the range. The lower end of the range reflected a 0 MWh contribution from Production Efficiency. The Commission approval did not explicitly remove Production Efficiency from the target and the Company is reporting these savings and costs to fully reflect Company initiatives undertaken in compliance with I-937. [↑](#footnote-ref-6)
7. Exceptions to frozen assumptions include using ex-post evaluation results for Home Energy Reports and updating savings for measures impacted by new minimum building code or efficiency standard requirements. [↑](#footnote-ref-7)