Puget Sound Energy, Inc. P.O. Box 97034 Bellevue, WA 98009-9734

February 14, 2007

Ms. Carole J. Washburn Executive Secretary Washington Utilities and Transportation Commission P.O. Box 47250 Olympia, WA 98504-7250



Via Electronic & Regular Mail

RE: Docket: UE-970686

Semi-Annual Report of Demand Side Management (DSM) Programs

Dear Ms. Washburn:

Enclosed is an original and three copies of Puget Sound Energy's semi-annual report covering its DSM programs in 2006. This submission contains a progress report on the results of the 2006 DSM programs through December 31, 2006, and a summary of accounting for each of the DSM programs for the same period.

This report is prepared in accordance with the Second Supplemental Order under Docket No. UE-970686, Requiring Reporting on Programs Funded by the Tariff Rider Mechanism.

Please contact me at (425) 462-3885 if there are any questions.

Sincerely,

John/Story

Director, Cost and Regulation

Enclosure

cc: Simon J. ffitch, Public Counsel



Energy Efficiency Services
Program Results
January – December, 2006

February 14, 2007

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Executive Summary

This annual report of Puget Sound Energy's (PSE's or The Company) current Energy Efficiency Services (EES) associated with the electric Rider/BPA Conservation and gas Tracker funding, covers the period January, 2006 through December, 2006. During this 12 month period, PSE's EES programs totaled first year savings of 166,254 MWh (19.0 aMW) at a cost of \$28,695,854 and a savings of 2,377,244 therms at a cost of \$6,759,062. Funding was provided by PSE's Rider/Tracker mechanism, Bonneville Power Administration (BPA), and PSE shareholders. Detailed program savings and cost numbers are available in Exhibit 1 at the end of this report.

The year 2006 marked the beginning of a new two-year conservation tariff period spanning 2006 and 2007. The table below shows how PSE has performed in Jan. 2006 thru December 2006 in comparison to two-year budget and savings "stretch" goals (40 aMW and 4.2 million therms) for electric and gas energy efficiency programs. The "penalty" threshold for savings was set at 33 aMW and 3.4 million therms.

January, 2006 – December, 2006 EES Program Summary						
Tariff + BPA EES	12 Month	2 YEAR	Compare			
PROGRAM INFO	ACTUALS vs	BDGT./GOAL	<u>% Total</u>			
ELECTRIC Costs	\$28,695,854	\$63,976,000	44.9%			
MWh Savings	166,254	350,628	47.4%			
aMW (MWh/8,760)	19.0	40.0				
GAS Costs*	\$6,759,062	\$12,802,000	52.8%			
THERM Savings	2,377,244	4,200,000	56.6%			

Program Descriptions

Resid. & Commercial Energy Efficiency Info. Services, Sch. E200/G206 & E260/G260

These services consist of four components that complement each other to provide information regarding customer programs and efficiency improvements tailored to customers' interests and energy-use concerns.

Energy Advisors

Specially trained and dedicated call representatives provide all customer sectors direct access to PSE's array of energy efficiency services through a toll-free number. Energy Advisors discuss with customers the potential benefits of various conservation programs, eligible incentives, and introduce related products and services.

Energy Efficiency Brochures

PSE provides brochures and how-to guides on various energy efficiency opportunities, including behavioral measures, low-cost equipment, weatherization measures, major weatherization improvements, and equipment upgrades. This information includes investment and savings estimates where appropriate. These brochures are available to customers in paper form and online at the PSE Web site.

On Line Services

To assist customers with information and questions, a section of the PSE web site (www.pse.com) is dedicated to energy efficiency and energy management for customers that prefer on-line services. PSE provides "Energy at Home", a quarterly e-newsletter promoting energy efficiency services. This free service contains articles about energy efficiency, timely seasonal tips, links to PSE program information and coupons for energy efficient products. A similar bimonthly "Energy in Business" e-newsletter features case studies of PSE energy efficiency projects, as well as announcements of upcoming training opportunities. Other services include an email box, and links from a customer's Energy Tracker information and graphs to energy efficient tips and ideas.

On-Line Personal/Business Energy Profile

Personal Energy Profile (residential) and Business Energy Profile (small business) are free energy self-audit surveys, with PSE follow-up analysis and a report that provides customers with specific and customized energy efficiency recommendations. These services identify current energy costs and consumption by end-use, and provide a list of specific recommendations for energy efficiency opportunities and their associated savings estimates.

Personal Energy Profile has taken on a new name with a new application. It is available at www.pse.com under the "MY PSE Account" logon. It now incorporates customer's actual bill history and bill details, with a bill analyzer tool that helps explain why bills may high. Customers can understand what changes can be made to reduce energy usage. This new application also supports what use to be named Energy Tracker, the daily online usage tool. Personal Energy Profile is no longer available by mail and the Business Energy Profile is available only to online users.

Recap: Residential: Customers continue to utilize PSE.com Home Energy Center with home analyzer and basic home profile on average 1,500 per month. Commercial: Continued working with NEXUS to implement expanded capability of commercial screening tool to help benchmark facilities and identify potential efficiency projects and rebates.

Residential Low Income Retrofit Programs, Schedules E201/G203 and E209/G209

<u>Description</u>: PSE provides funding of cost-effective home weatherization measures for low-income gas and electric heat customers. Funds are used for single-family, multifamily, and mobile home residences.

Program participation takes place through referrals from low-income and crisis service agencies. PSE customers who are having difficulty paying heating bills are also referred to the appropriate serving agency when they apply for energy bill payment assistance. Income qualification for the low-income weatherization program takes place at the local weatherization agency or other designated agency. Local agencies assume responsibility for getting permission from rental property owners to install weatherization measures. The elderly, disabled, and households with very young children receive priority in scheduling of the weatherization work. In addition to the structure audit and measures installation, agencies might provide energy use education to participants.

Recap: Program is on track for implementing centralized web-based database for first quarter of 2007. Completed round of testing internally and with agencies. Working with CTED to determine impacts of BPA CRC funding on the ability of agencies to perform work that is not necessarily cost-effective, but needed for health and safety reasons. Stricter BPA guidelines for CRC (replacing C&RD) may limit the number and types of jobs that can be completed by each agency.

Energy Education, Schedules E202/G207

<u>Description</u>: Powerful Choices is a 4-day school program that empowers Washington State's secondary students with the ability to make informed choices regarding the use of natural resources. This program fills a need for environmental education in Washington State with no cost to schools.

Powerful Choices also helps students in reaching Washington's learning standards by aligning the curriculum with Washington State's Essential Academic Learning Requirements (EALRS). Students participate in a variety of activities focusing on energy, water, solid waste, and air quality.

<u>Recap</u>: New partner relationships are being explored, and new schools are being added. Website has been updated and there are opportunities to expand the offerings beyond the current curriculum. A high school curriculum (Kids for Climate Protection) is in draft form and on target for being reviewed.

Manufactured Housing Energy Efficiency, Schedule E203

<u>Description</u>: This program targets residential customers living in targeted existing manufactured homes with ducted electric heating systems. Key stakeholders include homeowners, duct sealing specialists, and qualified HVAC contractors specializing in mobile home heat pump applications.

The program is implemented by trained, certified contractor(s) who follow regionally-accepted protocols for duct leakage testing, sealing and heat pump installation. Contractor(s) may also install qualifying, cost-effective hot water savings and lighting savings measures, and distribute PSE customer energy efficiency information and appliance rebate materials

<u>Recap</u>: Poor weather conditions and the loss of one participating field contractor decreased production in the fourth quarter. An additional field contractor will be recruited and trained during first quarter, 2007.

Multi-Family Retrofit, Schedule E217

<u>Description</u>: The new multi-family retrofit program proposes to increase the installation of certain measures in existing, multifamily (MF) buildings. These measures target existing MF structures with 5 or more residential units. MF structures typically have both in-unit and common area energy-efficiency opportunities that can include shell, appliance, lighting, HVAC and water heating measures. The program targets installation of energy efficient measures in MF facilities occurring on a retrofit (e.g., planned project) or "replace upon failure" (RUF) basis.

<u>Recap</u>: The program is currently underway after filing tariff changes and adding gas weatherization options. Meetings were held with electrical and weatherization contractors to help with program understanding and they are currently marketing the program to property owners.

Residential Energy Efficiency Rebates, Schedules E214, G214

<u>Description</u>: This program implements cost effective, targeted, residential energy savings using a menu of prescriptive efficiency measure rebates. Prescriptive rebates are intended to facilitate participation by customers and trade allies, and provide administrative efficiencies for PSE in meeting energy efficiency goals. Rebate amounts are based on regionally accepted energy savings estimates and incremental efficiency measure cost. Rebates may be subject to change in response to revisions in savings estimates, average incremental cost or changes in Federal appliance efficiency standards or State codes.

Current Rebates:

Electric - CFL Lamps & Fixtures, Energy Star Washing Machines and Dishwashers, Refrigerator Decommissioning, Energy Star Manufactured Homes.

Gas - Efficient Water Heater, Energy Star Furnace and Energy Star Manufactured Homes.

Recap: *Residential efficient lighting - participated in Savings With a Twist, a 4 state regional effort which have exceeded established goals. Participating in Feb. 2007 with BPA, manufacturers, and other regional utilities in "Change a Light" promotion. *Appliance rebates - joined with Seattle City Light, Seattle Public Utilities and Cascade Water to design coordinated clothes washer rebates based on tiered efficiency. *Refrigerator Decommissioning - have reviewed RFP's and recommended more research in ensuring energy savings before proceeding. *Heat Pump rebates - program launched in September, 2006 with a slow start. Product availability for higher efficiency units and submittals for products that don't qualify are two significant hurdles. Availability of high-efficiency units is improving to match Federal Energy Credits and we continue to educate contractors on PSE submittal requirements. *ES Certified Manufactured Homes - program activity is holding steady. PSE plans is to increase field visits to dealers in 2007.

Residential Heat Pump Maintenance Pilot, Schedule E249

<u>Description</u>: This pilot program will demonstrate the energy savings and market acceptance of heat pump retro-commissioning and minor modifications repairs directed by an advanced diagnostic field protocol with all system adjustments/repairs recorded and centrally reported by a single management contractor. The pilot will also demonstrate the efficacy of providing an incentive to customers with heat pumps performing at very low levels of measured efficiency to replace them with Energy Star[®] – qualified models (offer of replacement incentive based on initial diagnostics/adjustments and determination that additional repairs cannot cost-effectively restore reasonable efficiency).

Recap: Work focused on having Proctor Engineering, the Pilot management contractor, increase residential HVAC dealer participation and train and recruit several additional HVAC dealers.

Multi-Family Fuel Choice Pilot, Schedule E249

<u>Description</u>: This pilot began in 2004-5 to assess the cost effectiveness and market acceptance of choosing natural gas in retrofit and new construction multi-family structures. Market research and technical assessment work has been completed and reported. In 2006 the Company plans to conduct up to two demonstration projects to gain experience with market, logistical and cost findings of the assessment.

<u>Recap</u>: The DASH-Summerwood gas conversion experienced delays in commissioning both tankless water heaters and heat-rated fireplaces shifting completion into 2007.

The final report on findings and recommendations is expected to be completed and circulated by the end of February, 2007.

Residential New Construction, Schedules E215/G215

<u>Description</u>: To implement cost effective, targeted, residential new construction energy savings using a menu of prescriptive efficiency measure rebates. Prescriptive rebates are intended to facilitate participation by, builders, owner-builders and trade allies, and provide administrative efficiencies for PSE in meeting energy efficiency goals. Rebate amounts are based on regionally accepted energy savings estimates and incremental efficiency measure cost. Rebates may be subject to change in response to revisions in savings estimates, average incremental cost or changes in Federal appliance efficiency standards or State codes.

Residential New Construction Gas Service

Measure	Rebate Amount	Eligible Housing type				
Energy Star Gas Furnace	Amount may vary. Maximum rebate \$250	Single-family, New Construction				
High Efficiency Gas Water Heater (>or equal to .62EF)	Amount may vary. Maximum rebate \$40	Single-family, New Construction				
Energy Star Homes Gas Rebate (Homes must be Certified Energy Star Homes NW)	Amount may vary. Maximum Rebate \$50	Single-family, New Construction				

Residential New Construction Electric Service

Measure	Rebate Amount	Eligible Housing type			
Energy Star Dishwasher	\$20 in 2006	Single-family, New Construction			
Energy Star Clothes Washer (Energy Star qualified Washing machine (> or equal to 1.8 MEF)	\$50	Single-family, New Construction			
Energy Star CFL Bulbs	Amount may vary.	Single and Multi-family, New			
	Maximum rebate \$4/bulb	Construction			

Energy Star CFL Fixtures	Amount may vary. Maximum rebate \$20/fixture	Single and Multi-family, New Construction
Energy Star Homes Electric Rebate (Homes must be Certified Energy Star Homes NW)	Amount may vary. Maximum Rebate \$50	Single-family New Construction
Energy Star Heat Pump Rebate	Amount may vary. Maximum Rebate \$250	Single-family New Construction

Recap: *CF Fixtures – PSE continues to receive good response. Product quality and availability combined with a focused effort to improve relationship with the builder's lighting sales reps are reasons for higher numbers. *CF Bulbs - worked with lighting showrooms to address reporting issues. Implemented a process that will improve the lighting rep's reporting in 2007. The program is also pursuing a CF lighting builder package that would replace standard incandescent bulb packages currently installed in new homes. *Gas Rebates - initiated a new rebate processes for Energy Star Builders. New process removed the paperwork barrier for these builders and resulted in increased gas savings. Gas saving continues to be a challenge. In 2007 the team will focus on targeted champion builders and their suppliers.

Gas Single-Family Weatherization, Schedule G216

<u>Description</u>: Program offers certain weatherization measures for gas-heated single family homes. These measures are targeted to existing gas heated homes typically constructed between the 1950's and mid 1970's that lack floor insulation (above unheated crawl space), heating supply duct insulation (located in unheated spaces of the home) and have inadequate ceiling insulation (R11 or less). Homes may lack one or more of these measures.

- PSE offers fixed, per measure rebates to qualifying residential customers who install
 under floor, heating duct, wall or attic insulation using the services of a trained and
 authorized energy services contractor.
- Eligible customers are single family customers using natural gas for space heat.
 Tenants may participate in the rebate program with written permission from homeowner.
- Combustion diagnostic testing will be provided as an optional measure to customers at a cost.

Measure rebates include:

•	Attic Insulation (R-11 or less to R-38)	\$300 maximum
•	Floor Insulation (R-0 to minimum R-19, up to R-30)	\$300 maximum
•	Wall Insulation (R-0 to R-13)	\$300 maximum
•	Duct Insulation (R-0 to R-11)	\$100 maximum
•	Duct Sealing	\$100 maximum

<u>Recap</u>: New program - worked on building program's infrastructure and the contractor network. Marketing and expanding contractor base continue to be the focus.

Commercial-Industrial Retrofit, Schedules E250/G205

Description: PSE works with commercial and industrial customers to review energy consumption at the customer's facility, and to assess cost-effective energy savings opportunities from equipment, building shell, industrial process, or O&M improvements. These services are provided on the customer's behalf and, where specified by the customer, will be developed in conjunction with design engineers, contractors, and/or vendors. PSE will review third-party savings estimates and analyses. Where the project meets PSE cost-effectiveness funding criteria, PSE will provide grants toward energy savings projects. PSE works with the customer to make sure financial decision makers at the customer's facility are aware of the cost-savings opportunities, including review of energy saving projections that can help obtain favorable financing rates. Upon notice of installation/implementation, PSE will verify the project as complete and operational and payment will be issued.

<u>Recap</u>: For both Electric and Gas, the program saw a significant level of activity in the 4th qtr. Electric was on target for the year but gas was more than double what was forecast.

Commercial-Industrial New Construction, Schedules E251/G251

<u>Description</u>: PSE works with designers and developers of new C/I facilities, or major remodels, to propose cost-effective energy efficient upgrades that exceed energy codes by 10% or standard practice in industrial facilities. Two paths may be followed to qualify for assistance and/or funding for energy efficiency measures. The first path is a prescriptive measure approach, similar to meeting code using the prescriptive path. PSE recommends and reviews measures beyond what is included in the proposed design. Where the project proposes savings 10% beyond the applicable local Energy Code, PSE provides grant funding.

The second path is similar to meeting the code using a performance path. PSE will work with designers to incorporate measures that produce 10% overall savings beyond the applicable local energy code. Given the time frame of new construction planning to completion, these projects may not be complete in the first year.

All C/I customers are eligible, although larger projects tend to be more cost effective. Customers provide PSE with project costs and estimated savings, and assume full responsibility for selecting and contracting with third-party service providers. Projects must be approved for funding prior to installation/implementation to be eligible.

Recap: New construction activity was very high in 2006 and is expected to continue into 2007.

Resource Conservation Manager, Schedules E253/G208

<u>Description</u>: PSE offers Resource Conservation Manager Services (RCM) to any school district, public-sector government agency, and commercial or industrial (C/I) customer, with a focus on larger customers with multiple facilities. An RCM customer employs or contracts with someone who has designated resource management responsibilities, including accounting for resource consumption and savings.

PSE assists in designing and implementing an RCM program. Salary guarantees are available for RCMs, and training opportunities are available for RCMs and corollary staff such as custodial and maintenance personnel.

In some cases, PSE provides a grant to partially fund a start-up RCM position, provided there is a mutual agreement that if the program generates dollar savings, funding by the customer will continue after "start-up" funding support terminates.

Depending on individual customer needs, PSE may provide additional services or assistance, including resource policy guidelines; a resource accounting system; PSE billing data; informational materials; and a forum for resource conservation managers to exchange information, ideas, and techniques for controlling utility costs. Any grants for retrofits are coordinated through PSE's C/I retrofit or new construction programs.

<u>Recap</u>: The program has experienced significant growth across new market segments leading to higher than expected savings. Added energy management engineer to keep up with demand and working to provide additional on-site assistance and project development.

Small Business Lighting Rebate, Schedule E255

<u>Description</u>: The program offers a variety of lighting fixed-incentives that streamline the delivery of energy-saving measures for a variety of small usage commercial businesses and building types. Eligibility is limited to Schedule 24 and Schedule 8 electric customers. Rebates for small businesses cover efficient incandescent and fluorescent lighting conversions and lighting.

<u>Recap</u>: Continued success of program lies with the participation of the independent lighting contractors. Work has focused on continuing contractor participation and maintaining their commitment to the program.

LED Traffic Lights, Schedule E257

<u>Description</u>: The program educates public-sector customers with traffic control authority (cities, counties, and DOT's) on the benefits of installing red and green LED traffic signals. PSE provides an LED informational packet along with a rebate application by mail or in person. Customers must receive electric service from PSE to qualify for the rebates, and customers with unmetered accounts must document all connected load at the intersection.

Recap: New \$5 rebate for yellow module installed in conjunction with a red and a green added. 4th quarter results were slow but a number of projects are in the works.

Large Power User, Self Directed, Schedule E258

Description: This program provides an Energy Efficiency Project Request for Proposal (RFP) to C/I customers receiving high-voltage electrical service under Schedules 46, 49, or 449. The RFP offers incentives for new energy efficiency projects conceived, developed, and implemented by customers for their facilities. Customers submit a project application form with supporting documents for PSE review and approval. Customer proposals will be evaluated by PSE engineering staff for cost-effectiveness, and for energy code and tariff compliance. The customer then signs a standard PSE Conservation Grant Agreement, defining the total project cost and PSE incentive amount, prior to installation of project measures. All projects will be field-verified by PSE as completed and operating before the grant payment is made.

<u>Recap</u>: Weather-related issues and installation delays setback timeline on three projects. Program momentum is building but program activity is still light as there remains 18 months for customers to designate their funding use.

Commercial Rebates, Schedules E262/G262

<u>Description</u>: PSE offers fixed rebates for select, commonly applied measures to commercial customers. Rebate measures are those with energy-savings that can reasonably be standardized over a wide variety of applications, and that have competitive market pricing to ensure cost-effectiveness. The current list (effective January 2004) of eligible Commercial Rebates is maintained by the Company and made available upon request. Rebate amounts are updated as market conditions change.

Recap: Vending Machine Controllers and VSD's dominated electric savings along with good activity in the portable classroom rebates. Pre-rinse spray heads generated the majority of the gas savings in a joint program with Tacoma Water & Power. Low participation in the Premium HVAC Service Program has prompted re-evaluation of the service protocol and work on streamlining the process.

Commercial/Industrial Gas Boiler Tune-up Pilot, Schedule G259

<u>Description</u>: It has been the experience of PSE Energy Management Engineers, City of Seattle boiler inspectors and mechanical contractors that commercial customers seldom have the air to fuel ratios tuned on their boilers for efficient operation. A boiler that has not been tuned for many years can use as much as 20% more gas fuel. This pilot program will consist of working with mechanical contractors to design a pilot that provides sufficient incentive to persuade customers to have their boilers tuned up for the first time, so that they can see the resulting energy savings on their bills.

All non-transportation PSE gas C/I customers with gas boilers that can be tuned are eligible. Since the last report, PSE has expanded eligibility to interruptible gas customers. Funding is limited to one time per boiler.

Recap: Early fall promotion campaign generated high activity level for the 4th quarter with carryover into 2007.

Net Metering, Schedule E150

Schedule 150, Net Metering for Renewable Energy Services, became effective February 11, 1999. Subsequently, Schedule 150 was revised on June 8, 2000 in response to legislative action¹, which modified certain aspects of the net metering program. As revised, the schedule applies to customers who operate fuel cells or hydroelectric, solar or wind generators of no more that 50 kW.² Service under this schedule is limited to a total of 4.5 MW of cumulative nameplate generating capacity, of which no less than 2.25 MW of cumulative nameplate generating capacity shall be attributable to net metering systems that use either solar, wind, or hydroelectric power as its fuel. Customer generation can be used to offset part or all of the customer-generator's electricity use under Schedules 7, 24, 25 or 29 of Electric Tariff G.

Recap: PSE revised the name of its renewable generation incentive to REAP (Renewable Energy Advantage Program) in November, 2006. In December, PSE paid over \$18,000 to eligible net metered customers who applied for the incentive payment. PSE finished the year with over 114 net metered customers and over 360 kW of capacity installed in its territory.

Northwest Energy Efficiency Alliance, Schedule E254

<u>Description</u>: Northwest Energy Efficiency Alliance's (NEEA) market transformation initiatives will increase the availability and consumer acceptance of energy-efficient technologies and practices. As a partner with NEEA, PSE contributes funding for regional programs, actively participates on the NEEA Board of Directors, and supports various related initiatives within the PSE service area.

Detailed information on NEEA history, structure, funding, projects, reports, press-releases, proposals and more is available at NEEA's web site at www.nwalliance.org.

<u>Recap</u>: Work continues with NEEA to ensure accurate assessment of savings and to ensure no regional double-counting occurs.

Energy Efficient Technology Evaluation, Schedules E261/G261

PSE reviews available literature to find information on new, energy efficient technologies and products. PSE draws on the experience and research of others; e.g. E-Source, NEEA, WSU and other utilities. "New" measures must be significantly different from measures already qualifying for grants on the PSE program.

The focus of the research is on practical, cost effective technologies and measures that can be immediately implemented. Technologies must be based on generally accepted engineering or scientific principles. Savings must be quantifiable, using generally accepted engineering calculations.

<u>Recap</u>: The CVR/HVR pilot analysis continues with positive savings and no customer issues. Data collection to continue through May, 2007 and then final analysis and report will be produced. Also, two strategies are being evaluated for saving energy in computer server rooms: 1) virtualization (software to operate several "virtual" computers on one server; and 2) more efficient power supplies for servers (with NEEA).

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¹ On March 27, 2000, Engrossed House Bill 2334 relating to the definition of net metering systems and amending RCW 80.60.010, 80.60.020 and 80.60.040 was signed into law. The revised law became effective June 8, 2000.

² Revisions to Schedule 150, including increasing the maximum generator capacity to 50kW became effective May 13, 2004.

Local Infrastructure & Market, Schedules E270/G270

PSE participates with or utilizes the services of many organizations to support the local delivery, management, and promotion of a broad range of energy efficiency programs. Measures to be delivered are developed on a project by project basis, primarily dealing with education about energy efficiency and information about Puget Sound Energy's energy efficiency services. Measures can include participation in conferences and energy efficiency trade shows aimed at reaching a broad array of customers and trade allies. The company may provide support or fees to energy efficiency industry, trade ally and customer associations with interest in education and promotion of energy efficiency benefits.

<u>Recap</u>: Includes memberships in CEE, NEEC, and Electric League of the Pacific NW. Partial funding of ESource membership included. Also ASHRAE and NASEO sponsorships.

Program Evaluation and Research

PSE is committed to the verification of claimed energy savings and the continual improvement of energy efficiency service delivery to customers.

Recap: A C&I Lighting Savings Verification Study and the Puget Sound Region CFL Saturation Study are underway, to be completed in 2007. A number of program evaluation projects were completed in 2006. A summary of work done is available upon request.

Exhibit 1: EES Program Results, January-December 2006

Elec Sch #	Gas Sch #	Serviçe	kWh Savings	Therm Savings		Electric Costs	Gas Costs	7	otal Costs
200	206	Res. Energy Effic. Information	n/a	n/a	\$	543,006	\$ 290,763	\$	833,769
260	260	Com'l Energy Effic. Information	n/a	n/a	\$	59,023	\$ 32,762	\$	91,785
201	203	Low-Income Retrofit	840,856	20,780	\$	404,663	\$ 298,166	\$	702,829
202	207	Energy Education	905,204	55,992	\$	226,103	\$ 134,053	\$	360,156
214	214	Res. Energy Eff. Rebates	57,851,882	388,129	\$	7,236,082	\$ 933,970	\$	8,170,052
203	na	Manufactured Housing Energy Eff.	795,862	n/a	\$	267,419	n/a	\$	267,419
217	na	Multi-Family Retrofit	707,441	50	\$	299,850	\$ -	\$	299,850
250	205	C/I Retrofit	41,490,107	888,532	\$	9,672,363	\$ 2,433,674	\$	12,106,037
251	251	C/I New Construction	10,024,008	121,967	\$	1,781,164	\$ 82,287	\$	1,863,451
253	208	Resource Conservation Manager	16,963,781	234,683	\$	497,971	\$ 221,872	\$	719,843
255	na	Small Business Lighting Rebate	7,724,906	n/a	\$	1,831,850	n/a	\$	1,831,850
257	na	LED Traffic Lights	1,045,754	n/a	\$	33,834	n/a	\$	33,834
258	na	Large Power User/Self Directed	750,062	n/a	\$	366,617	n/a	\$	366,617
262	262	Commercial Rebates	11,165,110	379,242	\$	1,375,317	\$ 175,899	\$	1,551,216
na	259	Gas Boiler Tune-up Pilot	n/a	73,860		n/a	\$ 103,215	\$	103,215
249	na	Residential Heat Pump Maint. Pilot	39,465	n/a	\$	11,051	n/a	\$	11,051
249	na	Multi-Family Fuel Choice Pilot	575,455	n/a	\$	238,383	n/a	\$	238,383
215	215	Residential New Construction	873,751	83,104	\$	1,184,145	\$ 331,524	\$	1,515,669
na	249	Gas Single Family Weatheriz. Pilot	n/a	130,905		n/a	\$ 1,089,294	\$	1,089,294
261	261	Energy Efficient Technology Eval.	n/a	n/a	\$	56,610	\$ 25,505	\$	82,115
270	270	Local Infrastructure&Mkt Trans	n/a	n/a	\$	90,759	\$ 23,130	\$	113,889
na	na	Program Evaluation & Research	n/a	n/a	\$	704,236	\$ 314,022	\$	1,018,258
150	na	Net Metering	n/a	n/a	\$	93,179	n/a	\$	93,179
254	na	NW Energy Efficiency Alliance	14,500,000	n/a	\$	1,665,680	n/a	\$	1,665,680
na	na	Electric Conservation Support	n/a	n/a	\$	1,558	n/a	\$	1,558
na	na	Electric Efficiency RFP	n/a	n/a	\$	54,991	n/a	\$	54,991
na	209	Low Income Customers (BTL - O&M)	n/a	n/a	\$	<u>-</u>	\$ 268,926	\$	268,926
		Total	166,253,644	2,377,244	\$ 2	28,695,854	\$ 6,759,062	\$	35,454,916

18.98 aMW