Triple-E Report
January 1, 2007 – December 31, 2007

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Introduction

This annual Triple-E Report is produced in fulfillment of Avista's commitment to provide enhanced analysis and reporting to the External Energy Efficiency (aka Triple E) Board. This report covers the results from January 1 through December 31st, 2007 including costs, energy savings, cost-effectiveness and descriptive statistics, tariff rider balances, and any other applicable updates and disclosures.

The intent of this report is to provide a useful management tool for the implementation as well as a summary for external review and basis of regulatory prudency of the Company's energy efficiency programs.

Cost/Benefit Recognition

Key to providing useful management data is the matching of costs and benefits. As part of this process, the Company has developed a classification process for non-residential site specific projects as they move through the pipeline. The classification phases are scope, study, contracted, construction, and completed. In addition, there are also phases for inactive and terminated for projects that have abandoned or are no longer progressing toward fruition. These phases aid in identifying various stages of active management as well as projecting future project completions and cash flow impacts resulting from the payment of.

This methodology is applied to all site-specific non-residential projects. Since non-residential prescriptive, residential and limited income projects are smaller in nature and have shorter, more consistent sales cycles, they are realized only upon completion.

Due to the size of the individual projects and the amount of upfront time necessary to evaluate projects, the Company has developed a "derating" process whereby costs and benefits are symmetrically realized as a project moves through the pipeline. For cost-effective purposes, 75% of project is recognized when contracted, another 20% (95% in total) is realized when the project begins construction and the final 5% (100% in total) is realized when the project is completed and post-verified. All associated costs/benefits such as projected energy savings, non-energy benefits and customer incremental cost are all realized based on this same schedule.

Specific definitions have been developed around the three phases where there is recognition of cost/benefits to ensure consistency in the evaluation process and to provide a sound basis for future projections.

Utility Costs

Utility costs for each customer segment can be allocated into categories of either incentives or implementation. General utility costs have historically included costs that are difficult to accurately allocate to customer segments and programs. Examples of general costs would be an expense that benefits all customer segments and several programs/technologies or non-specific training that do not clearly benefit a particular project or segment or that benefits many projects/segments.

For purposes of calculating cost-effectiveness, general costs are allocated to implementation across customer segment and technology based on annual savings. This is also necessary for evaluation of the distribution of resources within each segment, program and technology. Almost 84% of electric utility costs, exclusive of regional expenditures, are allocated between HVAC, Lighting and Shell while just over 92% of the gas utility costs are allocated between HVAC and Shell. As compared with 2006, utility costs have increased 26%, which equates to a decrease of 25% for electric and an increase of 29% for gas.

As shown in Table 1, general costs are almost 8% of the total utility costs and implementation costs are 28% of the total utility costs exclusive of regional. Over 72% of expenditures were returned to ratepayers through incentives. The percentage returned to ratepayers when expenditures are segmented between electric and gas is 72% and 74% respectively.

Table 2 shows both direct and indirect (general) expenditures across customer segments for both electric and gas. Ninety-one percent of total utility expenditures are directly charged. General or indirect expenditures are allocated to segments based on savings.

Table 3 illustrates the total utility costs across each customer segment and technology for both fuels. Incentives used in this table are de-rated incentives in order to more closely match savings and expenditures.

Table 4 demonstrates the distribution of derated incentives across customer segment as well as technology for both electric and gas. Again, de-rated incentives are used in this table in order more closely match expenditures and savings.

Incentives

For 2007, $9.4 million in total electric and gas direct incentives were returned to ratepayers by the Company, an increase of 6% over 2006. Electric incentives as compared with the previous year basically remained the same while gas incentives increased by nearly 23%. See Table 1.

As illustrated in Table 4 (de-rated incentives), the bulk of the electric incentives were for HVAC, Lighting and Shell projects while the majority of the gas incentives were paid on HVAC and Shell projects. Incentives demonstrated in Table 4 are de-rated in the same manner as other key variables used for cost-effectiveness purposes.

Program Savings

During 2007, the Company contributed to projects incurring over 53 million kWh and over 1.5 million therms. For electric savings, 29% of the savings were achieved in Idaho and the remaining 71% were achieved in Washington. For gas savings, 31% were achieved in Idaho and the remaining 69% were achieved in Washington.

Eighty-one percent of the electric savings occurred in HVAC and Lighting while 97% of the gas savings occurred in HVAC and Shell. Refer to Tables 5 and 6 for more detail on energy savings across customer segment, technology and state.

The Company also participates in the Northwest Energy Efficiency Alliance (NEEA), however, the savings illustrated in this report exclude regional savings achieved through NEEA. Participation in NEEA is included in the Company's utility costs but is excluded for purposes of calculating cost-effectiveness.

Energy savings calculations exclude estimates of free-riders, free drivers, and any market transformation effects.

Non-Energy Benefits

The non-energy benefits shown in Table 7 reflect the quantifiable non-energy benefits accruing to these energy efficiency projects. Historically, quantifiable non-energy benefits have been limited to labor and/or maintenance savings associated with these projects but can include anything that can be quantified and supported. Non-energy benefits as compared with 2006 have increased by 74%. Allocated by fuel, that is a increase of 62% for electric and an increase of over 132% for natural gas.

During 2007, the bulk of pre-rinse sprayers were installed. Thirteen percent of the non-energy benefits were from the water savings associated with these upgraded sprayers. While this wasn't as significant for electric, these water savings accounted for 47% of the natural gas non-energy benefits.

In addition to the quantifiable non-energy benefits, there are non-energy benefits associated with many projects that are difficult to quantify and therefore have been excluded from this report.

Customer Costs

Customer costs are generally the bulk of the societal cost of energy efficiency measures and, for several reasons, are the most difficult to accurately track. Energy efficiency upgrades are also implemented as part of larger facility improvements making it difficult to identify and value the incremental cost that is consistent with the claimed energy savings.

For reporting purposes, the Company has historically emphasized that the baseline assumed for customer costs must be consistent with that used for the calculation of energy savings. Customer costs are always reviewed in depth prior to cost-effectiveness and other analysis is performed.

Customer costs are up 29% from 2006. Customer cost is the biggest, most uncontrollable component of the Total Resource Cost (TRC) test. When allocated by fuel, this equates to 22% increase for electric customer costs and a 38% increase for gas customer costs. Customer costs are shown by customer segment and technology in Table 8.

Cost-Effectiveness

The Total Resource Cost (TRC) ratio is 2.24 for electric and 1.06 for natural gas. For purposes of this report, the electric avoided costs were taken from the Heritage Project's Analytics roadmap and natural gas avoided costs are from the last filed Integrated Resource Plan (IRP) were used. The Heritage Project Analytics roadmap avoided costs include other components such as risk, T&D losses, etc in order to make DSM more comparable to generation assets.

The Company's levelized TRC cost is 4 cents per kWh and 93 cents per therm. Total Utility Cost Test (UCT) is 3.96 for electric and 2.86 for natural gas. The Company's levelized UCT cost is 1.6 cents per kWh and 26.1 cents per therm. Based on our weighted average measure live of 15.44 for electric and 19.54 for gas, this compares to a levelized avoided cost of 33.3 cents per kWh and 68.9 cents per winter therm (97% of 2007 therms are winter therms).

The largest contributor to UCT cost is the incentive cost. For cost-effectiveness purposes, total derated incentives contribute 65% of the total utility cost. On a cash basis, over 72% of utility expenditures being returned to customers in the form of direct incentives.

The Participant Test benefit-to-cost ratio was 3.58 for electric and 1.98 for natural gas. This test gives an indication of customer cost-effectiveness.

As expected, the Non-Participant Test of 0.84 for electric and 0.52 for natural gas was not cost-effective. As long as billing rates are greater than avoided costs, this benefit-cost ratio will always be less than 1. See Tables 9-13 for more on the cost-effectiveness tests.

Energy Efficiency Tariff Rider Balance

During 2007, the Company collected $7.2 million electric and $4.3 million natural gas tariff rider revenue. Utility expenditures were $10.6 and $3.6 million for electric and natural gas respectively, spending $2.8 million more than was collected in revenue. The aggregate tariff rider balance, as of the end of 2007, was negative $6.2 million which is an increase of nearly $3 million from year end 2006. See Table 14 for more detail by jurisdiction and fuel.

Table 1E Electric Utility Costs Aggregated by Programs and Customer Segments

	Incentives[1]	Implementation	TOTAL
SEGMENTS			
Commercial/Industrial	$ 5,422,561	$ 1,155,741	$ 6,578,302
Limited Income	$ 659,540	$ 56,005	$ 715,545
Residential	$ 656,886	$ 567,036	$ 1,223,923
GENERAL			
General (Implementation)	$ -	$ 866,819	$ 866,819
OTHER EXPENDITURES			
Regional[2]	$ -	$ 1,199,546	$ 1,199,546
TOTAL	**$ 6,738,987**	**$ 3,845,147**	**$ 10,584,134**
BROKEN OUT BY CATEGORY			
Total assigned to segments	$ 6,738,987	$ 1,778,782	$ 8,517,769
Total assigned to general	$ -	$ 866,819	$ 866,819
Total assigned to other	$ -	$ 1,199,546	$ 1,199,546
TOTAL	**$ 6,738,987**	**$ 3,845,147**	**$ 10,584,134**
CATEGORY AS A PERCENT			
Total assigned to segment	63.7%	16.8%	80.5%
Total assigned to general	0.0%	8.2%	8.2%
Total assigned to other pgms.	0.0%	11.3%	11.3%
TOTAL	**63.7%**	**36.3%**	**100.0%**
Total non-regional utility cost	**$ 6,738,987**	**$ 2,645,601**	**$ 9,384,588**

NOTES:

1) Incentives are accounted for on a cash basis and will not match de-rated incentive expenditures amounts.

2) Costs associated with membership in NEEA are included in this table, but are excluded from other tables.

Table 1G **Gas Utility Costs Aggregated by Programs and Customer Segments**

	Incentives[1]	Implementation	TOTAL
SEGMENTS			
Commercial/Industrial	$ 1,600,120	$ 486,687	$ 2,086,806
Limited Income	$ 460,820	$ 27,704	$ 488,524
Residential	$ 614,139	$ 190,581	$ 804,719
GENERAL			
General (Implementation)	$ -	$ 247,838	$ 247,838
OTHER EXPENDITURES			
Regional[2]	$ -	$ -	$ -
TOTAL	**$ 2,675,079**	**$ 952,809**	**$ 3,627,888**
BROKEN OUT BY CATEGORY			
Total assigned to segments	$ 2,675,079	$ 704,971	$ 3,380,049
Total assigned to general	$ -	$ 247,838	$ 247,838
Total assigned to other	$ -	$ -	$ -
TOTAL	**$ 2,675,079**	**$ 952,809**	**$ 3,627,888**
CATEGORY AS A PERCENT			
Total assigned to segment	25.3%	6.7%	31.9%
Total assigned to general	0.0%	2.3%	2.3%
Total assigned to other pgms.	0.0%	0.0%	0.0%
TOTAL	**25.3%**	**9.0%**	**100.0%**
Total non-regional utility cost	**$ 2,675,079**	**$ 952,809**	**$ 3,627,888**

NOTES:

1) Incentives are accounted for on a cash basis and will not match de-rated incentive expenditures amounts.

2) Costs associated with membership in NEEA are included in this table, but are excluded from other tables.

Table 2E **Assignment of Non-Regional Electric Utility Costs to Customer Segments**

	Directly Charged Incentive Cost [A]	Directly Charged Implementation Cost [B]	Assigned general cost [C]	Total directly charged costs [D]	Total assigned general cost [E]	Total utility cost [F]
Commercial/Industrial	$ 5,422,561	$ 1,155,741	$ 600,835	$ 6,578,302	$ 600,835	$ 7,179,137
Limited Income	$ 659,540	$ 56,005	$ 24,702	$ 715,545	$ 24,702	$ 740,247
Residential	$ 656,886	$ 567,036	$ 241,281	$ 1,223,923	$ 241,281	$ 1,465,204
	$ 6,738,987	$ 1,778,782	$ 866,819	$ 8,517,769	$ 866,819	$ 9,384,588

Table 2G **Assignment of Non-Regional Gas Utility Costs to Customer Segments**

	Directly Charged Incentive Cost [A]	Directly Charged Implementation Cost [B]	Assigned general cost [C]	Total directly charged costs [D]	Total assigned general cost [E]	Total utility cost [F]
Commercial/Industrial	$ 1,600,120	$ 486,687	$ 178,442	$ 2,086,806	$ 178,442	$ 2,265,248
Limited Income	$ 460,820	$ 27,704	$ 13,420	$ 488,524	$ 13,420	$ 501,944
Residential	$ 614,139	$ 190,581	$ 55,976	$ 804,719	$ 55,976	$ 860,696
	$ 2,675,079	$ 704,971	$ 247,838	$ 3,380,049	$ 247,838	$ 3,627,888

NOTES:

Column [A] Represents direct cash incentives and will not reconcile to derated incentives used for cost-effectiveness calculations.

Column [B] Represents implementation costs that were charged directly to each customer segment.

Column [C] General costs have been assigned to customer segments based upon that segments share of energy acquired during this calendar year.

Column [D] The sum of directly assigned implementation and cash incentive costs.

Column [E] Equal to Column [C].

Column [F] The total utility cost, including incentives but excluding costs associated with regional programs for each customer segment.

Table 3E Allocation of Incentive and Non-Incentive (Non-Regional) Electric Utility Costs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Renewables	Sustainable Buildings	Shell	TOTAL $	% of Portfolio
Commercial/Industrial	$ 83,806	$ 53,826	$ 2,290,754	$ 377,015	$ 2,332,953	$ 408,674	$ 7,954	$ (14,628)	$ 68,459	$ 5,608,812	70.4%
Limited Income	$ 255,392	$ -	$ 81,853	$ -	$ -	$ -	$ -	$ -	$ 347,745	$ 684,990	8.6%
Residential	$ 58,409	$ -	$ 724,715	$ -	$ 629,210	$ -	$ 2,417	$ 64,630	$ 198,582	$ 1,677,963	21.0%
TOTAL $	$ 397,607	$ 53,826	$ 3,097,322	$ 377,015	$ 2,962,162	$ 408,674	$ 10,371	$ 50,003	$ 614,786	$ 7,971,766	100.0%
% of portfolio	5.0%	0.7%	38.9%	4.7%	37.2%	5.1%	0.1%	0.6%	7.7%	100.0%	

NOTES:

Incentives are de-rated for degree of project completion to match recognition of kWh and therm claims.

Costs associated with regional programs are excluded from this table, and are excluded from all cost-effectiveness calculations.

Table 3G Allocation of Incentive and Non-Incentive (Non-Regional) Gas Utility Costs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Renewables	Sustainable Buildings	Shell	TOTAL $	% of Portfolio
Commercial/Industrial	$ 125,984	$ -	$ 1,840,979	$ 90,827	$ -	$ -	$ -	$ 47,006	$ 627,621	$ 2,732,417	67.0%
Limited Income	$ 40,327	$ -	$ 119,584	$ -	$ -	$ -	$ -	$ -	$ 356,620	$ 516,531	12.7%
Residential	$ 15,347	$ -	$ 642,974	$ -	$ -	$ -	$ -	$ -	$ 172,248	$ 830,569	20.4%
TOTAL $	$ 181,658	$ -	$ 2,603,538	$ 90,827	$ -	$ -	$ -	$ 47,006	$ 1,156,489	$ 4,079,518	100.0%
% of portfolio	4.5%	0.0%	63.8%	2.2%	0.0%	0.0%	0.0%	1.2%	28.3%	100.0%	

NOTES:

Incentives are de-rated for degree of project completion to match recognition of kWh and therm claims.

Costs associated with regional programs are excluded from this table, and are excluded from all cost-effectiveness calculations.

Table 4E — Allocation of Electric Derated Incentives Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Renewables	Sustainable Buildings	Shell	TOTAL $	% of Portfolio
Commercial/Industrial	$ 57,485	$ 30,543	$ 1,589,290	$ 278,200	$ 1,592,730	$ 274,528	$ 5,949	$ (21,067)	$ 44,577	$ 3,852,236	72.3%
Limited Income	$ 231,326	$ -	$ 68,462	$ -	$ -	$ -	$ -	$ -	$ 304,495	$ 604,283	11.3%
Residential	$ 32,999	$ -	$ 352,340	$ -	$ 317,360	$ -	$ 1,795	$ 58,525	$ 106,627	$ 869,646	16.3%
TOTAL $	$ 321,810	$ 30,543	$ 2,010,092	$ 278,200	$ 1,910,090	$ 274,528	$ 7,744	$ 37,458	$ 455,700	$ 5,326,165	100.0%
% of portfolio	6.0%	0.6%	37.7%	5.2%	35.9%	5.2%	0.1%	0.7%	8.6%	100.0%	

NOTES:

Incentives represented in this table are calculated on a derated basis.

Table 4G — Allocation of Gas Derated Incentives Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Renewables	Sustainable Buildings	Shell	TOTAL $	% of Portfolio
Commercial/Industrial	$ 126,115	$ -	$ 1,361,155	$ 71,106	$ -	$ -	$ -	$ 39,388	$ 469,525	$ 2,067,289	66.1%
Limited Income	$ 40,193	$ -	$ 117,700	$ -	$ -	$ -	$ -	$ -	$ 317,515	$ 475,407	15.2%
Residential	$ 12,267	$ -	$ 321,560	$ -	$ -	$ -	$ -	$ -	$ 250,185	$ 584,013	18.7%
TOTAL $	$ 178,575	$ -	$ 1,800,415	$ 71,106	$ -	$ -	$ -	$ 39,388	$ 1,037,225	$ 3,126,709	100.0%
% of portfolio	5.7%	0.0%	57.6%	2.3%	0.0%	0.0%	0.0%	1.3%	33.2%	100.0%	

NOTES:

Incentives represented in this table are calculated on a derated basis.

Table 5E (ID) Allocation of Electric Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	375,384	127,499	3,173,045	1,471,876	4,063,858	447,908	-	-	195,283	**9,854,853**	**64.4%**
Limited Income	3,324								350,151	**353,475**	**2.3%**
Residential	73,288		2,914,084		1,619,648		2,921	26,772	464,273	**5,100,986**	**33.3%**
TOTAL kWh	**451,996**	**127,499**	**6,087,129**	**1,471,876**	**5,683,506**	**447,908**	**2,921**	**26,772**	**1,009,707**	**15,309,314**	**100.0%**
% of portfolio	**3.0%**	**0.8%**	**39.8%**	**9.6%**	**37.1%**	**2.9%**	**0.0%**	**0.2%**	**6.6%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to electric programs (arising from joint or interactive savings effects).

Table 5E (WA) Allocation of Electric Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	182,322	365,817	11,689,807	621,860	11,620,235	2,394,428	42,492	136,428	310,728	**27,364,115**	**71.3%**
Limited Income	452,961		253,907						469,855	**1,176,723**	**3.1%**
Residential	396,561		3,971,329		4,146,629		8,575	86,122	1,236,022	**9,845,238**	**25.6%**
TOTAL kWh	**1,031,844**	**365,817**	**15,915,043**	**621,860**	**15,766,864**	**2,394,428**	**51,066**	**222,550**	**2,016,605**	**38,386,077**	**100.0%**
% of portfolio	**2.7%**	**1.0%**	**41.5%**	**1.6%**	**41.1%**	**6.2%**	**0.1%**	**0.6%**	**5.3%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to electric programs (arising from joint or interactive savings effects).

Table 5G (ID) Allocation of Electric Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	-	-	(85,524)	(7,582)	-	-	-	-	3,413	(89,693)	-37.3%
Limited Income			2,103						1,776	3,879	1.6%
Residential			-						326,013	326,013	135.7%
TOTAL kWh	-	-	(83,421)	(7,582)	-	-	-	-	331,202	240,199	100.0%
% of portfolio	0.0%	0.0%	-34.7%	-3.2%	0.0%	0.0%	0.0%	0.0%	137.9%	100.0%	

Adjustments

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to gas programs.

Table 5G (WA) Allocation of Electric Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell		
Commercial/Industrial	(2,245)	-	122,162	-	-	-	-	-	(22,050)	97,867	6.9%
Limited Income									11,882	11,882	0.8%
Residential									1,310,571	1,310,571	92.3%
TOTAL kWh	1,028,289	-	122,162	-	-	-	-	-	1,300,403	1,420,320	100.0%
% of portfolio	72.4%	0.0%	8.6%	0.0%	0.0%	0.0%	0.0%	0.0%	91.6%	100.0%	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to gas programs.

Table 5E Allocation of Electric Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	557,706	493,316	14,862,852	2,093,736	15,684,093	2,842,336	42,492	136,428	506,011	**37,218,968**	**69.3%**
Limited Income	456,285	-	253,907	-	-	-	-	-	820,006	**1,530,198**	**2.8%**
Residential	469,849	-	6,885,413	-	5,766,277	-	11,496	112,894	1,700,295	**14,946,224**	**27.8%**
TOTAL kWh	**1,483,840**	**493,316**	**22,002,172**	**2,093,736**	**21,450,370**	**2,842,336**	**53,988**	**249,322**	**3,026,312**	**53,695,391**	**100.0%**
% of portfolio	**2.8%**	**0.9%**	**41.0%**	**3.9%**	**39.9%**	**5.3%**	**0.1%**	**0.5%**	**5.6%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to electric programs (arising from joint or interactive savings effects).

Table 5G Allocation of Electric Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	(2,245)	-	36,638	(7,582)	-	-	-	-	(18,637)	**8,173**	**0.5%**
Limited Income	-	-	2,103	-	-	-	-	-	13,658	**15,761**	**0.9%**
Residential	-	-	-	-	-	-	-	-	1,636,584	**1,636,584**	**98.6%**
TOTAL kWh	**(2,245)**	**-**	**38,741**	**(7,582)**	**-**	**-**	**-**	**-**	**1,631,605**	**1,660,518**	**100.0%**
% of portfolio	**-0.1%**	**0.0%**	**2.3%**	**-0.5%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**98.3%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to gas programs.

Table 6E (ID) Allocation of Gas Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	(1,577)	-	(317)	-	(18,476)	-	-	-	-	(20,369)	120.8%
Limited Income										-	0.0%
Residential					(636)			4,137		3,501	-20.8%
TOTAL therms	(1,577)	-	(317)	-	(19,112)	-	-	4,137	-	(16,868)	100.0%
% of portfolio	9.3%	0.0%	1.9%	0.0%	113.3%	0.0%	0.0%	-24.5%	0.0%	100.0%	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therms savings attributable to electric programs (arising from joint or interactive savings effects).

Table 6E (WA) Allocation of Gas Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	(26)	-	9,756	(3,374)	(71,547)	-	-	-	1	(65,191)	106.6%
Limited Income			75							75	-0.1%
Residential			-					3,940		3,940	-6.4%
TOTAL therms	(26)	-	9,831	(3,374)	(71,547)	-	-	3,940	1	(61,176)	100.0%
% of portfolio	0.0%	0.0%	-16.1%	5.5%	117.0%	0.0%	0.0%	-6.4%	0.0%	100.0%	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therms savings attributable to electric programs (arising from joint or interactive savings effects).

Table 6G (ID) Allocation of Gas Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	18,004	-	272,335	23,263	-	-	-	-	50,458	**364,060**	**78.2%**
Limited Income	47		1,989						8,592	**10,628**	**2.3%**
Residential	2,537		44,627						43,556	**90,720**	**19.5%**
TOTAL therms	**20,588**	**-**	**318,951**	**23,263**	**-**	**-**	**-**	**-**	**102,606**	**465,408**	**100.0%**
	4.4%	**0.0%**	**68.5%**	**5.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**22.0%**	**100.0%**	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therm savings attributable to gas programs.

Table 6G (WA) Allocation of Gas Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	(18,217)	-	507,911	8,806	-	-	-	12,388	206,622	**717,510**	**69.2%**
Limited Income	218		1,739						68,757	**70,714**	**6.8%**
Residential	1,701		85,556						161,305	**248,562**	**24.0%**
TOTAL therms	**(16,298)**	**-**	**595,206**	**8,806**	**-**	**-**	**-**	**12,388**	**436,685**	**1,036,787**	**100.0%**
% of portfolio	**-1.6%**	**0.0%**	**57.4%**	**0.8%**	**0.0%**	**0.0%**	**0.0%**	**1.2%**	**42.1%**	**100.0%**	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therm savings attributable to gas programs.

Table 6E Allocation of Gas Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	(1,603)	-	9,439	(3,374)	(90,022)	-	-	-	1	(85,560)	109.6%
Limited Income	-	-	75	-	-	-	-	-	-	75	-0.1%
Residential	-	-	-	-	(636)	-	-	8,077	-	7,441	-9.5%
TOTAL therms	(1,603)	-	9,514	(3,374)	(90,658)	-	-	8,077	1	(78,044)	100.0%
% of portfolio	2.1%	0.0%	-12.2%	4.3%	116.2%	0.0%	0.0%	-10.3%	0.0%	100.0%	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therms savings attributable to electric programs (arising from joint or interactive savings effects).

Table 6G Allocation of Gas Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	(213)	-	780,246	32,069	-	-	-	12,388	257,081	1,081,570	72.0%
Limited Income	265	-	3,728	-	-	-	-	-	77,349	81,342	5.4%
Residential	4,238	-	130,183	-	-	-	-	-	204,861	339,282	22.6%
TOTAL therms	4,290	-	914,157	32,069	-	-	-	12,388	539,291	1,502,194	100.0%
% of portfolio	0.3%	0.0%	60.9%	2.1%	0.0%	0.0%	0.0%	0.8%	35.9%	100.0%	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therm savings attributable to gas programs.

Table 7E — **Allocation of Electric Non-Energy Benefits Across Customer Segments and Technologies**

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Renewables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	410,227	-	25,840	7,834,419	3,913,004	-	-	-	3,029	$ 12,186,519	96.8%
Limited Income	-	-	-	-	-	-	-	-	-	$ -	0.0%
Residential	3	-	-	-	56,122	-	-	-	352,632	$ 408,757	3.2%
TOTAL	$ 410,230	$ -	$ 25,840	$ 7,834,419	$ 3,969,126	$ -	$ -	$ -	$ 355,662	$ 12,595,276	100.0%
% of portfolio	3.3%	0.0%	0.2%	62.2%	31.5%	0.0%	0.0%	0.0%	2.8%	100.0%	

NOTES:

This table does not include non-energy benefits which were not sufficiently quantifiable to be claimed as part of the project benefits.

Table 7G — **Allocation of Gas Non-Energy Benefits Across Customer Segments and Technologies**

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Renewables	Sustain. Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	1,737,110	-	1,222,353	-	-	-	-	-	19,876	$ 2,979,338	80.9%
Limited Income	-	-	-	-	-	-	-	-	-	$ -	0.0%
Residential	-	-	14,578	-	-	-	-	-	689,538	$ 704,116	19.1%
TOTAL	$ 1,737,110	$ -	$ 1,236,931	$ -	$ -	$ -	$ -	$ -	$ 709,414	$ 3,683,454	100.0%
% of portfolio	47.2%	0.0%	33.6%	0.0%	0.0%	0.0%	0.0%	0.0%	19.3%	100.0%	

NOTES:

This table does not include non-energy benefits which were not sufficiently quantifiable to be claimed as part of the project benefits.

Table 8E — **Allocation of Electric Customer Costs Across Customer Segments and Technologies**

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	195,776	75,127	6,507,114	1,930,544	5,131,234	779,325	13,336	151,237	201,951	$ 14,985,643	87.7%
Limited Income	231,326		68,462						304,495	$ 604,283	3.5%
Residential	64,815		626,900		143,466		58,306	102,075	497,052	$ 1,492,613	8.7%
TOTAL	$ 491,917	$ 75,127	$ 7,202,475	$ 1,930,544	$ 5,274,700	$ 779,325	$ 71,642	$ 253,312	$ 1,003,498	$ 17,082,540	100.0%
% of portfolio	2.9%	0.4%	42.2%	11.3%	30.9%	4.6%	0.4%	1.5%	5.9%	100.0%	

Table 8G — **Allocation of Gas Customer Costs Across Customer Segments and Technologies**

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Commercial/Industrial	338,877	-	6,049,883	688,459	-	-	-	78,777	1,927,804	$ 9,083,800	66.9%
Limited Income	40,193		117,700						317,515	$ 475,407	3.5%
Residential	57,447		801,754						3,162,836	$ 4,022,037	29.6%
TOTAL	$ 436,517	$ -	$ 6,969,336	$ 688,459	$ -	$ -	$ -	$ 78,777	$ 5,408,155	$ 13,581,244	100.0%
% of portfolio	3.2%	0.0%	51.3%	5.1%	0.0%	0.0%	0.0%	0.6%	39.8%	100.0%	

Table 9E (ID) **Electric Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Commercial/Industrial	3.73	3.80	5.29	1.04
Limited Income	1.42	1.42	NA	0.60
Residential	4.92	6.57	12.43	0.86
PORTFOLIO	3.81	4.21	5.94	0.95

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9G (ID) **Gas Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Commercial/Industrial	1.00	2.31	2.13	0.51
Limited Income	0.66	0.66	NA	0.59
Residential	1.16	3.91	1.77	0.50
PORTFOLIO	1.02	2.41	2.04	0.51

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9E (WA) **Electric Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Commercial/Industrial	1.48	3.78	1.95	0.87
Limited Income	1.77	1.77	NA	0.57
Residential	4.07	5.18	17.99	0.71
PORTFOLIO	1.74	3.88	2.71	0.81

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9G (WA) **Gas Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Commercial/Industrial	1.03	2.69	1.94	0.51
Limited Income	1.46	1.46	NA	1.22
Residential	1.05	4.91	1.66	0.50
PORTFOLIO	1.05	3.01	1.85	0.53

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9E **Electric Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Commercial/Industrial	1.99	3.78	2.67	0.91
Limited Income	1.66	1.66	NA	0.58
Residential	4.20	5.51	17.77	0.75
PORTFOLIO	2.24	3.96	3.58	0.84

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9G **Gas Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Commercial/Industrial	1.02	2.56	1.99	0.51
Limited Income	1.26	1.26	NA	1.07
Residential	1.10	4.83	1.94	0.50
PORTFOLIO	1.06	2.86	1.98	0.52

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 10E **Electric Cost-Effectiveness Benefit/Cost Statistics by Technology**

	Total Resource Cost	Utility Cost	Participant	Non-Participant
Appliances	1.86	1.63	6.68	0.57
Compressed Air	2.57	4.69	4.44	1.00
HVAC	1.83	4.88	2.74	0.88
Industrial Process	4.50	3.44	5.29	1.00
Lighting	2.14	3.24	3.83	0.79
Motors	2.13	4.75	3.11	0.98
Renewables	0.53	3.79	0.58	0.82
Sustainable Buildings	0.69	3.68	1.00	0.75
Shell	2.48	4.12	5.53	0.77
PORTFOLIO	2.24	3.96	3.58	0.84

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 10G **Gas Cost-Effectiveness Benefit/Cost Statistics by Technology**

	Total Resource Cost	Utility Cost	Participant	Non-Participant
Appliances	3.99	0.10	6.83	0.10
Compressed Air	NA	NA	NA	NA
HVAC	0.95	2.48	2.04	0.50
Industrial Process	0.25	1.93	0.47	0.47
Lighting	NA	NA	NA	NA
Motors	NA	NA	NA	NA
Renewables	NA	NA	NA	NA
Sustainable Buildings	1.01	1.85	3.39	0.48
Shell	1.08	3.96	1.83	0.58
PORTFOLIO	1.06	2.86	1.98	0.52

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 11E **Electric Net Benefits by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Commercial/Industrial	$ 16,652,135	$ 15,599,023	$ 18,539,497	$ (2,190,749)
Limited Income	$ 455,077	$ 455,077	$ 1,287,832	$ (833,269)
Residential	$ 7,357,607	$ 7,571,869	$ 10,448,996	$ (2,825,039)
PORTFOLIO	$ 24,464,818	$ 23,625,970	$ 30,276,326	$ (5,849,058)

NOTES:

Costs and benefits included in each cost-effectiveness test are detailed in Table 13.
Costs associated with regional programs are excluded from all cost-effectiveness calculations.

Table 11G **Gas Net Benefits by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Commercial/Industrial	$ 221,338	$ 4,258,511	$ 6,962,550	$ (6,740,633)
Limited Income	$ 132,991	$ 132,991	$ 93,494	$ 41,135
Residential	$ 447,865	$ 3,184,783	$ 3,231,614	$ (2,604,270)
PORTFOLIO	$ 802,194	$ 7,576,285	$ 10,287,658	$ (9,303,767)

NOTES:

Costs and benefits included in each cost-effectiveness test are detailed in Table 13.
Costs associated with regional programs are excluded from all cost-effectiveness calculations.

Table 12E **Electric Net Benefits by Technology**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Appliances	$ 490,766	$ 250,644	$ 965,503	$ (454,452)
Compressed Air	$ 154,070	$ 198,653	$ 153,386	$ 684
HVAC	$ 6,854,082	$ 12,020,626	$ 9,036,832	$ (1,934,892)
Industrial Process	$ 7,101,633	$ 919,559	$ 7,086,535	$ 4,189
Lighting	$ 7,228,873	$ 6,624,409	$ 9,515,532	$ (2,611,304)
Motors	$ 1,028,413	$ 1,533,210	$ 1,066,738	$ (38,325)
Renewables	$ (35,009)	$ 28,889	$ (26,891)	$ (8,527)
Sustainable Buildings	$ (81,743)	$ 134,110	$ (672)	$ (51,206)
Shell	$ 1,723,732	$ 1,915,869	$ 2,479,364	$ (755,224)
PORTFOLIO	$ 24,464,818	$ 23,625,970	$ 30,276,326	$ (5,849,058)

NOTES:

Costs and benefits included in each cost-effectiveness test are detailed in Table 13.

Table 12G **Gas Net Benefits by Technology**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Appliances	$ 1,316,485	$ (162,683)	$ 1,502,678	$ (186,130)
Compressed Air	$ -	$ -	$ -	$ -
HVAC	$ (414,889)	$ 3,517,810	$ 5,369,270	$ (5,790,196)
Industrial Process	$ (533,123)	$ 84,230	$ (324,862)	$ (206,659)
Lighting	$ (62)	$ -	$ (91)	$ -
Motors	$ -	$ -	$ -	$ -
Renewables	$ -	$ (62)	$ -	$ -
Sustainable Buildings	$ 497	$ 39,886	$ 94,086	$ (93,589)
Shell	$ 433,286	$ 4,097,104	$ 3,646,576	$ (3,027,194)
PORTFOLIO	$ 802,194	$ 7,576,285	$ 10,287,658	$ (9,303,767)

Costs and benefits included in each cost-effectiveness test are detailed in Table 13.
Regional program costs and benefits are excluded from all cost-effectiveness calculations.

Table 13E — **Summary of Electric Cost-Effectiveness Tests and Descriptive Statistics**

Total Resource Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 30,813,091	$ 1,139,480	$ 31,952,571
Non-Energy benefits	$ 12,595,276	$ -	$ 12,595,276
Natural Gas avoided cost	$ (355,423)	$ 587	$ (354,836)
TRC benefits	$ 43,052,944	$ 1,140,067	$ 44,193,011
Non-incentive utility cost	$ 2,564,894	$ 80,707	$ 2,645,601
Customer cost	$ 16,478,257	$ 604,283	$ 17,082,540
TRC costs	$ 19,043,150	$ 684,990	$ 19,728,141
TRC ratio	**2.26**	**1.66**	**2.24**
Net TRC benefits	**$ 24,009,793**	**$ 455,077**	**$ 24,464,870**

Utility Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 30,813,091	$ 1,139,480	$ 31,952,571
Natural Gas avoided cost	$ (355,423)	$ 587	$ (354,836)
UCT benefits	$ 30,457,668	$ 1,140,067	$ 31,597,735
Non-incentive utility cost	$ 2,564,894	$ 80,707	$ 2,645,601
Incentive cost	$ 4,721,881	$ 604,283	$ 5,326,165
UCT costs	$ 7,286,775	$ 684,990	$ 7,971,766
UCT ratio	**4.18**	**1.66**	**3.96**
Net UCT benefits	**$ 23,170,893**	**$ 455,077**	**$ 23,625,970**

Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric Bill Reduction	$ 28,782,475	$ 1,287,758	$ 30,070,233
Gas Bill Reduction	$ (630,028)	$ 74	$ (629,954)
Non-Energy benefits	$ 12,595,276	$ -	$ 12,595,276
Participant benefits	$ 40,747,722	$ 1,287,832	$ 42,035,555
Customer project cost	$ 16,478,257	$ 604,283	$ 17,082,540
Incentive received	$ (4,721,881)	$ (604,283)	$ (5,326,165)
Participant costs	$ 11,756,375	$ -	$ 11,756,375
Participant Test ratio	**3.47**	**NA**	**3.58**
Net Participant benefits	**$ 28,991,347**	**$ 1,287,832**	**$ 30,279,180**

Electric Non-Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost savings	$ 30,813,091	$ 1,139,480	$ 31,952,571
Non-Participant benefits	$ 30,813,091	$ 1,139,480	$ 31,952,571
Electric Revenue loss	$ 28,782,475	$ 1,287,758	$ 30,070,233
Non-incentive utility cost	$ 2,564,894	$ 80,707	$ 2,645,601
Customer incentives	$ 4,721,881	$ 604,283	$ 5,326,165
Non-Participant costs	$ 36,069,250	$ 1,972,749	$ 38,041,998
Non-Part. ratio	**0.85**	**0.58**	**0.84**
Net Non-Part. benefits	**$ (5,256,158)**	**$ (833,269)**	**$ (6,089,428)**

Descriptive Statistics	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Annual kWh savings	52,165,193	1,530,198	53,695,391
Annual therm savings	(78,119)	75	(78,044)
Levelized TRC cost per kWh	$ 0.0399	$ 0.0415	$ 0.0399
Levelized UCT cost per kWh	$ 0.0153	$ 0.0415	$ 0.0161

NOTES:

Costs associated with membership in regional programs are excluded from all cost-effectiveness calculations.
"N/A" is listed for segments with benefits, but no costs.

Table 13G — Summary of Gas Cost-Effectiveness Tests and Descriptive Statistics

Total Resource Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 1,377,510	$ 13,296	$ 1,390,806
Non-Energy benefits	$ 3,683,454	$ -	$ 3,683,454
Natural Gas avoided cost	$ 9,628,771	$ 636,226	$ 10,264,997
TRC benefits	$ 14,689,735	$ 649,522	$ 15,339,256
Non-incentive utility cost	$ 911,685	$ 41,124	$ 952,809
Customer cost	$ 13,105,836	$ 475,407	$ 13,581,244
TRC costs	$ 14,017,522	$ 516,531	$ 14,534,053
TRC ratio	**1.05**	**1.26**	**1.06**
Net TRC benefits	**$ 672,213**	**$ 132,991**	**$ 805,204**

Utility Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 1,377,510	$ 13,296	$ 1,390,806
Natural Gas avoided cost	$ 9,628,771	$ 636,226	$ 10,264,997
UCT benefits	$ 11,006,280	$ 649,522	$ 11,655,802
Non-incentive utility cost	$ 911,685	$ 41,124	$ 952,809
Incentive cost	$ 2,651,301	$ 475,407	$ 3,126,709
UCT costs	$ 3,562,986	$ 516,531	$ 4,079,518
UCT ratio	**3.09**	**1.26**	**2.86**
Net UCT benefits	**$ 7,443,294**	**$ 132,991**	**$ 7,576,285**

Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric Bill Reduction	$ 1,557,939	$ 14,934	$ 1,572,874
Gas Bill Reduction	$ 15,410,687	$ 78,559	$ 15,489,246
Non-Energy benefits	$ 3,683,454	$ -	$ 3,683,454
Participant benefits	$ 20,652,081	$ 93,494	$ 20,745,574
Customer project cost	$ 13,105,836	$ 475,407	$ 13,581,244
Incentive received	$ (2,651,301)	$ (475,407)	$ (3,126,709)
Participant costs	$ 10,454,535	$ -	$ 10,454,535
Participant Test ratio	**1.98**	**NA**	**1.98**
Net Participant benefits	**$ 10,197,546**	**$ 93,494**	**$ 10,291,039**

Gas Non-Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Gas avoided cost savings	$ 9,628,771	$ 636,226	$ 10,264,997
Non-Part benefits	$ 9,628,771	$ 636,226	$ 10,264,997
Gas Revenue loss	$ 15,410,687	$ 78,559	$ 15,489,246
Non-incentive utility cost	$ 911,685	$ 41,124	$ 952,809
Customer incentives	$ 2,651,301	$ 475,407	$ 3,126,709
Non-Part costs	$ 18,973,674	$ 595,090	$ 19,568,764
Non-Part. ratio	**0.51**	**1.07**	**0.52**
Net Non-Part. benefits	**$ (9,344,903)**	**$ 41,135**	**$ (9,303,767)**

Descriptive Statistics	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Annual kWh savings	1,644,757	15,761	1,660,518
Annual therm savings	1,420,852	81,342	1,502,194
Levelized TRC cost per therm	$ 1.0775	$ 0.5883	$ 0.9291
Levelized UCT cost per therm	$ 0.2739	$ 0.5883	$ 0.2608

NOTES:

Costs associated with membership in regional programs are excluded from all cost-effectiveness calculations.
"N/A" is listed for segments with benefits, but no costs.

Table 13EG — Summary of Combined Gas and Electric Cost-Effectiveness Tests and Descriptive Statistics

Total Resource Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 32,190,601	$ 1,152,776	$ 33,343,377
Non-Energy benefits	$ 16,278,730	$ -	$ 16,278,730
Natural Gas avoided cost	$ 9,273,348	$ 636,813	$ 9,910,161
TRC benefits	$ 57,742,678	$ 1,789,589	$ 59,532,267
Non-incentive utility cost	$ 3,476,579	$ 121,831	$ 3,598,410
Customer cost	$ 29,584,093	$ 1,079,691	$ 30,663,784
TRC costs	$ 33,060,672	$ 1,201,522	$ 34,262,193
TRC ratio	**1.75**	**1.49**	**1.74**
Net TRC benefits	**$ 24,682,007**	**$ 588,067**	**$ 25,270,074**

Utility Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 32,190,601	$ 1,152,776	$ 33,343,377
Natural Gas avoided cost	$ 9,273,348	$ 636,813	$ 9,910,161
UCT benefits	$ 41,463,949	$ 1,789,589	$ 43,253,537
Non-incentive utility cost	$ 3,476,579	$ 121,831	$ 3,598,410
Incentive cost	$ 7,373,183	$ 1,079,691	$ 8,452,873
UCT costs	$ 10,849,762	$ 1,201,522	$ 12,051,283
UCT ratio	**3.82**	**1.49**	**3.59**
Net UCT benefits	**$ 30,614,187**	**$ 588,067**	**$ 31,202,254**

Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric Bill Reduction	$ 30,340,414	$ 1,302,692	$ 31,643,107
Gas Bill Reduction	$ 14,780,659	$ 78,633	$ 14,859,293
Non-Energy benefits	$ 16,278,730	$ -	$ 16,278,730
Participant benefits	$ 61,399,803	$ 1,381,326	$ 62,781,129
Customer project cost	$ 29,584,093	$ 1,079,691	$ 30,663,784
Incentive received	$ (7,373,183)	$ (1,079,691)	$ (8,452,873)
Participant costs	$ 22,210,910	$ -	$ 22,210,910
Participant Test ratio	**2.76**	**NA**	**2.83**
Net Participant benefits	**$ 39,188,893**	**$ 1,381,326**	**$ 40,570,219**

Gas and Electric Non-Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Gas avoided cost savings	$ 9,628,771	$ 636,226	$ 10,264,997
Electric avoided cost savings	$ 30,813,091	$ 1,139,480	$ 31,952,571
Non-Part benefits	$ 40,441,862	$ 1,775,705	$ 42,217,568
Gas Revenue loss	$ 15,410,687	$ 78,559	$ 15,489,246
Electric Revenue loss	$ 28,782,475	$ 1,287,758	$ 30,070,233
Non-incentive utility cost	$ 3,476,579	$ 121,831	$ 3,598,410
Customer incentives	$ 7,373,183	$ 1,079,691	$ 8,452,873
Non-Part costs	$ 55,042,923	$ 2,567,839	$ 57,610,762
Non-Part. ratio	**0.73**	**0.69**	**0.73**
Net Non-Part. benefits	**$ (14,601,061)**	**$ (792,134)**	**$ (15,393,195)**

Descriptive Statistics	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Annual kWh savings	53,809,950	1,545,959	55,355,909
Annual therm savings	1,342,734	81,417	1,424,151

NOTES:

Costs associated with membership in regional programs are excluded from all cost-effectiveness calculations.
"N/A" is listed for segments with benefits, but no costs.

Table 14EG — Tariff Rider Balances

	January	February	March	April	May	June	July	August	September	October	November	December	1-1-07 to 12-31-07
WASHINGTON ELECTRIC TARIFF RIDER													
Actual WA Rev	$ 472,935	$ 470,823	$ 397,742	$ 366,223	$ 340,885	$ 357,055	$ 358,190	$ 406,179	$ 380,092	$ 355,801	$ 382,283	$ 459,600	$ 4,747,808
Actual WA Exp	$ 368,223	$ 437,494	$ 288,450	$ 498,452	$ 759,920	$ 730,422	$ 1,306,836	$ 479,779	$ 614,201	$ 987,225	$ 612,713	$ 948,985	$ 8,032,702
Adjustments[1]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 224,000	$ -	$ -	$ (306,490)	$ (82,490)
Balance reduction	$ (104,712)	$ (33,329)	$ (109,291)	$ 132,229	$ 419,036	$ 373,366	$ 948,646	$ 73,601	$ 458,109	$ 631,425	$ 230,430	$ 182,894	$ 3,202,404
Starting balance	$ 1,353,135	$ 1,248,424	$ 1,215,095	$ 1,105,803	$ 1,238,032	$ 1,657,068	$ 2,030,434	$ 2,979,080	$ 3,052,681	$ 3,510,790	$ 4,142,215	$ 4,372,645	
Ending balance	$ 1,248,424	$ 1,215,095	$ 1,105,803	$ 1,238,032	$ 1,657,068	$ 2,030,434	$ 2,979,080	$ 3,052,681	$ 3,510,790	$ 4,142,215	$ 4,372,645	$ 4,555,539	
IDAHO ELECTRIC TARIFF RIDER													
Actual ID Rev	$ 243,006	$ 226,140	$ 201,625	$ 191,320	$ 183,167	$ 180,434	$ 193,738	$ 204,264	$ 189,288	$ 183,665	$ 196,520	$ 238,282	$ 2,431,448
Actual ID Exp	$ 154,933	$ 184,162	$ 186,234	$ 127,790	$ 233,012	$ 210,204	$ 153,937	$ 168,109	$ 239,532	$ 241,171	$ 152,170	$ 500,207	$ 2,551,462
Adjustments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 96,000	$ -	$ -	$ -	$ 96,000
	$ (88,072)	$ (41,978)	$ (15,390)	$ (63,530)	$ 49,845	$ 29,770	$ (39,801)	$ (36,155)	$ 146,244	$ 57,506	$ (44,350)	$ 261,925	$ 216,014
Starting balance	$ (504,411)	$ (592,483)	$ (634,460)	$ (649,851)	$ (713,381)	$ (663,536)	$ (633,766)	$ (673,567)	$ (709,722)	$ (563,478)	$ (505,972)	$ (550,321)	
Ending balance	$ (592,483)	$ (634,460)	$ (649,851)	$ (713,381)	$ (663,536)	$ (633,766)	$ (673,567)	$ (709,722)	$ (563,478)	$ (505,972)	$ (550,321)	$ (288,396)	
COMBINED ELECTRIC TARIFF RIDERS													
Actual Rev	$ 715,940	$ 696,963	$ 599,366	$ 557,544	$ 524,052	$ 537,489	$ 551,928	$ 610,442	$ 569,380	$ 539,466	$ 578,803	$ 697,882	$ 7,179,256
Actual Exp	$ 523,157	$ 621,656	$ 474,684	$ 626,243	$ 992,932	$ 940,625	$ 1,460,774	$ 647,888	$ 853,734	$ 1,228,396	$ 764,883	$ 1,449,192	$ 10,584,164
Adjustments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 320,000	$ -	$ -	$ (306,490)	$ 13,510
Balance reduction	$ 192,784	$ 75,307	$ 124,682	$ (68,699)	$ (468,880)	$ (403,136)	$ (908,845)	$ (37,446)	$ 35,646	$ (688,931)	$ (186,080)	$ (1,057,800)	$ (3,391,399)
Starting balance	$ 848,725	$ 655,941	$ 580,634	$ 455,952	$ 524,651	$ 993,532	$ 1,396,668	$ 2,305,513	$ 2,342,959	$ 2,947,313	$ 3,636,243	$ 3,822,323	
Ending balance	$ 655,941	$ 580,634	$ 455,952	$ 524,651	$ 993,532	$ 1,396,668	$ 2,305,513	$ 2,342,959	$ 2,947,313	$ 3,636,243	$ 3,822,323	$ 4,267,143	
WASHINGTON GAS TARIFF RIDER													
Actual WA Rev	$ 498,456	$ 498,348	$ 348,737	$ 241,423	$ 158,060	$ 100,385	$ 69,501	$ 57,450	$ 67,665	$ 118,371	$ 232,181	$ 433,042	$ 2,823,620
Actual WA Exp	$ 287,591	$ 97,164	$ 411,676	$ 144,773	$ 164,449	$ 183,944	$ 289,861	$ 159,796	$ 142,605	$ 294,973	$ 323,975	$ 318,302	$ 2,819,110
Adjustments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Balance reduction	$ (210,865)	$ (401,183)	$ 62,939	$ (96,650)	$ 6,389	$ 83,560	$ 220,360	$ 102,346	$ 74,940	$ 176,602	$ 91,794	$ (114,740)	$ (4,510)
Starting balance	$ 1,528,608	$ 1,317,743	$ 916,559	$ 979,498	$ 882,848	$ 889,237	$ 972,796	$ 1,193,157	$ 1,295,503	$ 1,370,442	$ 1,547,044	$ 1,638,838	
Ending balance	$ 1,317,743	$ 916,559	$ 979,498	$ 882,848	$ 889,237	$ 972,796	$ 1,193,157	$ 1,295,503	$ 1,370,442	$ 1,547,044	$ 1,638,838	$ 1,524,098	
IDAHO GAS TARIFF RIDER													
Actual ID Rev	$ 242,710	$ 228,514	$ 172,172	$ 123,341	$ 83,690	$ 54,469	$ 41,910	$ 31,481	$ 39,546	$ 69,828	$ 123,356	$ 218,405	$ 1,429,423
Actual ID Exp	$ 98,596	$ 39,942	$ 116,407	$ 54,445	$ 85,613	$ 54,278	$ 49,715	$ 75,554	$ 35,382	$ 96,998	$ 61,221	$ 40,626	$ 808,777
Adjustments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	$ (144,114)	$ (188,572)	$ (55,765)	$ (68,895)	$ 1,922	$ (191)	$ 7,805	$ 44,073	$ (4,164)	$ 27,170	$ (62,134)	$ (177,780)	$ (620,646)
Starting balance	$ 1,028,289	$ 884,175	$ 695,602	$ 639,837	$ 570,942	$ 572,864	$ 572,673	$ 580,478	$ 624,551	$ 620,387	$ 647,557	$ 585,423	
Ending balance	$ 884,175	$ 695,602	$ 639,837	$ 570,942	$ 572,864	$ 572,673	$ 580,478	$ 624,551	$ 620,387	$ 647,557	$ 585,423	$ 407,643	

Table 14EG

Tariff Rider Balances

	January	February	March	April	May	June	July	August	September	October	November	December	1-1-07 to 12-31-07
COMBINED GAS TARIFF RIDERS													
Actual Rev	$ 741,166	$ 726,862	$ 520,909	$ 364,764	$ 241,751	$ 154,853	$ 111,411	$ 88,932	$ 107,211	$ 188,200	$ 355,537	$ 651,447	$ 4,253,043
Actual Exp	$ 386,187	$ 137,106	$ 528,083	$ 199,219	$ 250,062	$ 238,222	$ 339,576	$ 235,350	$ 177,987	$ 391,971	$ 385,196	$ 358,928	$ 3,627,888
Adjustments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Balance reduction	$ 354,979	$ 589,756	$ (7,174)	$ 165,545	$ (8,311)	$ (83,369)	$ (228,165)	$ (146,419)	$ (70,776)	$ (203,772)	$ (29,660)	$ 292,520	$ 625,155
Starting balance	$ 2,556,896	$ 2,201,917	$ 1,612,161	$ 1,619,335	$ 1,453,790	$ 1,462,101	$ 1,545,470	$ 1,773,635	$ 1,920,053	$ 1,990,829	$ 2,194,601	$ 2,224,261	
Ending balance	$ 2,201,917	$ 1,612,161	$ 1,619,335	$ 1,453,790	$ 1,462,101	$ 1,545,470	$ 1,773,635	$ 1,920,053	$ 1,990,829	$ 2,194,601	$ 2,224,261	$ 1,931,741	
COMBINED GAS AND ELECTRIC TARIFF RIDERS													
Actual Rev	$ 1,457,106	$ 1,423,825	$ 1,120,275	$ 922,308	$ 765,803	$ 692,343	$ 663,339	$ 699,374	$ 676,591	$ 727,665	$ 934,340	$ 1,349,330	$ 11,432,298
Actual Exp	$ 909,343	$ 758,762	$ 1,002,768	$ 825,462	$ 1,242,994	$ 1,178,847	$ 1,800,350	$ 883,238	$ 1,031,720	$ 1,620,368	$ 1,150,080	$ 1,808,120	$ 14,212,051
Balance reduction	$ 547,763	$ 665,063	$ 117,508	$ 96,846	$ (477,191)	$ (486,505)	$ (1,137,010)	$ (183,864)	$ (35,130)	$ (892,702)	$ (215,740)	$ (765,280)	$ (2,766,243)
Starting balance	$ 3,405,621	$ 2,857,858	$ 2,192,795	$ 2,075,288	$ 1,978,441	$ 2,455,633	$ 2,942,138	$ 4,079,148	$ 4,263,012	$ 4,938,142	$ 5,830,844	$ 6,046,584	
Ending balance	$ 2,857,858	$ 2,192,795	$ 2,075,288	$ 1,978,441	$ 2,455,633	$ 2,942,138	$ 4,079,148	$ 4,263,012	$ 4,938,142	$ 5,830,844	$ 6,046,584	$ 6,198,884	

NOTES:

1) Accrual for CFL program

Table 15EG **Calculation of Energy Savings vs. Utility Expenditure Proportionality**

	Adjusted Proportionality Calculation		Unadjusted Proportionality Calculation	
	Electric	**Gas**	**Electric**	**Gas**
Actual 1/1/07 to 12/30/07 cash expenditures	$ 10,584,134	$ 3,627,888	$ 10,584,134	$ 3,627,888
Less cash incentives	$ (6,738,987)	$ (2,675,079)	$ -	$ -
Add in derated incentives	$ 5,326,165	$ 3,126,709	$ -	$ -
Adjusted (for incentives) utility expenditures	$ 9,171,312	$ 4,079,518	$ 10,584,134	$ 3,627,888
Normalize NEEA expenditures	$ (399,546)	$ -	$ -	$ -
Total adjusted utility expenditures	$ 8,771,766	$ 4,079,518	$ 10,584,134	$ 3,627,888
DSM revenues 1/1/07 to 12/31/07	$ 7,179,256	$ 4,253,043	$ 7,179,256	$ 4,253,043
Adjusted utility expenditures divided by actual revenues	122%	96%	147%	85%
Energy savings from Triple-E Report	53,695,391	1,502,194	53,695,391	1,502,194
IRP Goal	47,500,000	1,062,000	47,500,000	1,062,000
% of goal achieved	113%	141%	113%	141%
Proportionality (kWh and therm)	**93%**	**147%**	**77%**	**166%**
Proportionality (mmbtu)	**111%**		**101%**	

NOTES:

(1) Adjustments for the difference between cash incentives and those accrued as projects move through the "pipeline" (contracted to construction to completed) remove the effect of scheduling cash payment of incentives to future dates.

(2) NEEA revenues have been adjusted to equal our annual maximum contractual obligation. Regional energy savings are not reflected in this calculation.

Appendix A

Methodology for the Recognition of Benefits and Costs

The core intent of this report is to provide suitable information for management of the Company's DSM programs and for meaningful oversight by the Triple-E board as well as forming the foundation for demonstrating regulatory prudence. Key to all of those objectives is the appropriate matching of costs and benefits under varying circumstances.

As part of the process of managing the DSM programs the Company has developed a categorization process for site-specific projects as they move towards completion. This process designates a "scope", "study", "contracted", "construction" and "completed" phase. In addition there is also an "inactive" and "terminated" phase for projects that are no longer progressing towards eventual fruition. This categorization is used to identify projects under various stages of active management and to project future project completions and cash flow impacts resulting from payment of incentives.

This methodology is applied only to site-specific projects. Non-residential prescriptive and all residential and limited income projects are realized only upon completion. These projects are smaller and have shorter more consistent sales cycles, thus reducing the value and increasing the cost of this form of detailed tracking of projects.

Due to the size of individual projects and the amount of time that some of these projects can spend in evaluation the Company has developed a "derating" process whereby costs and benefits are symmetrically realized as a project moves through the "pipeline". Specifically 75% of a project is recognized for cost-effectiveness purposes when a project reaches the "contracted" milestone, an additional 20% is realized (95% in total) when the project reaches "construction" and the final 5% (100% in total) when the project is completed and post-verified. Projected energy savings, non-energy benefits and customer incremental cost are all realized based upon the same schedule.

Specific definitions have been developed around the three phases where there is recognition of benefits to ensure consistency in the evaluation process and to provide a sound basis for future projections.

The percentage of project realization is based upon past analysis indicating that over 80% of projects reaching the "contracted" milestone and approximately 95% of projects reaching "construction" eventually follow through to completion. Since the vast majority of the utility effort invested in the project is in getting the project to the "contracted" phase these percentages most appropriately represent the value of the utility investment at each of those stages.

Periodic assessments of "stale" projects (those that have remained in a phase for an extended period of time) are undertaken. Projects that have languished in a phase and are deemed unlikely to move forward are moved to "terminated" or "inactive" status.

Projects moving backwards in the pipeline, such as from contracted or construction to terminated status, result in prior claims for that project being removed from the overall portfolio. On relatively rare occasions projects can move backwards from the construction or completion phases (usually when misunderstandings or administrative errors have resulted in erroneously advancing a project) resulting in a similar adjustment.

Project status can be revised not only when a project moves to a different stage in the pipeline, but also when the project characteristics change. Project specifications are frequently revised after an incentive contract has been signed with potential impacts upon expected energy acquisition, cost, incentive payments and other factors. As project expectations are updated in the DSM database these revisions are incorporated into the overall DSM portfolio status.

When a site-specific project reaches completion a post-verification is made and the DSM database is updated. If the project has changed since it was originally contracted an updated incentive calculation is carried out.

Projects with an incentive amount of $50,000 or more, with uncertain savings and where post-completion tracking can provide improved project commissioning and evaluation are subject to a performance contract. Typically the performance period is one year after the project has completed a commissioning period. Revisions to non-performance contracts occasionally occur after post-verification also occasionally occur as a result of improved information based upon measurement, evaluation, project commissioning or account follow-up activities. Revisions may be increase or decrease any of the project characteristics.

Fundamentally the derating process allows for a more accurate view of cost-effectiveness and other program characteristics by more closely matching utility resource investment (particularly marketing and project evaluation) to the consequential benefits. The improved accuracy and meaningfulness of these diagnostic statistics and projections lead to an improved ability to manage the DSM portfolio.

Appendix B

Introduction to Avista's Analytical Methodology

The analytical evaluation of Avista's programs can largely be divided into two general approaches; the standard practice cost-effectiveness tests and descriptive statistics. Each approach and each calculation within the two different approaches provide a different perspective on the status of a program. When viewed as a whole they are intended to provide a meaningful insight into the program for purposes of making informed decisions for the management of individual programs as well as the overall portfolio.

The descriptive statistics, such as direct incentive per kWh saved, general costs per kWh saved and so on are easily understood and calculated. Over the course of designing, implementing and evaluating these programs these descriptive calculations are made and modified as necessary.

The cost-effectiveness tests are a more standardized and, in many ways, a more rigorous analytical tool. In consideration of their value as a management tool we wrote a brief summary of calculation, meaning and interpretation of these tests for our implementation staff. This summary has been periodically modified and redistributed internally and externally for use in introducing the methodology for calculating and interpreting the standard practice tests.

Cost-Effectiveness Primer

The four 'standard practice tests' were developed in California as a means to evaluate the cost-effectiveness of demand-side management programs from the perspectives of different participants. These four tests are:

Total Resource Cost (TRC) test: This is a societal benefit-cost analysis and indicates the cost-effectiveness of a project is to the whole of society. In recent years the inclusion of non-energy benefits in this test has become more acceptable (and even expected). These costs include reductions in customer maintenance, reduced insurance and potentially even the value of reduced emissions and other societal costs of energy generation, transmission and delivery.

Utility Cost Test (UCT): This test indicates whether the utility cost of serving all customers goes up or down as a result of the program. This is not the customer 'energy' cost, which would include end-use equipment and similar costs, it is only the costs incurred by the utility to serve the customer.

Participant test: This is the cost-effectiveness for the participating customer. It includes the value of the energy savings (and other savings) from the project vs. the customer project costs.

Rate Impact Measure (RIM) test (also known as the non-participant test): This indicates if the program will result in a rate increase or decrease. It is also known as the 'non-participant test' because programs that fail the RIM test result in an increase in rates and disadvantage a non-participating customer. The 'non-participating customer' bears the cost of the rate increase without obtaining any program benefits.

What is and isn't included in the four standard practice tests can be shown in the illustrative table:

	TRC	UCT	PART	RIM
Electric avoided cost value (utility discount rate)	$ 4,330,973	$ 4,330,973		$ 4,330,973
Gas avoided cost value (utility discount rate)	$ 131,242	$ 131,242		$ 131,242
Customer value of kWh savings			$ 5,066,599	
Customer value of kW savings			$ 619,317	
Customer value of gas savings			$ 102,216	
Customer electric incentive received			$ 1,276,582	
Customer gas incentive received			$ 0	
Customer value of customer Non-Energy Benefits	$ 0		$ 0	

Quantifiable societal benefits (utility discount rate)	$ 0				
Utility value of lost kWh revenue (utility discount rate)					$ 6,922,382
Utility value of lost kW revenue utility discount rate)					$ 846,160
Utility value of lost therms revenue (ut. discount rate)					$ 145,947
Customer project costs	$ 3,873,881			$ 3,873,881	
General costs	$ 316,794	$ 316,794			$ 316,794
Non-incentive implementation costs	$ 534,081	$ 534,081			$ 534,081
Measurement & Evaluation costs	$ 2,584	$ 2,584			$ 2,584
Electric incentive costs		$ 1,276,582			$ 1,276,582
Gas incentive costs		$ 0			$ 0
Other utility costs	$ 0	$ 0			$ 0
TOTAL BENEFITS	$ 4,462,216	$ 4,462,216	$ 7,064,714		$ 4,462,216
TOTAL COSTS	$ 4,727,339	$ 2,130,040	$ 3,873,881		$ 10,044,529
NET BENEFITS	$ (265,124)	$ 2,332,176	$ 3,190,833		$ (5,582,313)
Benefit / Cost ratio	0.94	2.09	1.82		0.44

The top section of the table is a compilation of program benefits. These are almost entirely the benefits of the reduced energy consumption. There are two ways of monetarily valuing the reduced energy usage, either at the rate that the customer would pay or at the 'avoided cost'.

The 'avoided cost' is based upon what costs the utility would save by not having to purchase and distribute the additional energy. These are based upon periodic filings made by Avista in both Idaho and Washington. In spite of the fact that the filings of both states are based upon the same utility system, the avoided costs are not the same. Generally speaking Washington avoided costs are based upon the price of electricity in the market while Idaho bases their avoided costs on the cost of generating additional kWh's from Avista's generation mix.

The avoided cost is the valuation of the energy savings used in the TRC, UCT and RIM tests. Since this is the value of the savings to the utility, the utility discount rate (currently 7.41% from the most recent filed electric or gas IRP applied to electric and gas analysis) is used to calculate a present value of the stream of future energy savings.

From the participating customer viewpoint, the value of the energy savings isn't the utility avoided costs, it's the rate that the customer would pay. Therefore, in the Participant test the energy rate is used to value those savings. A customer discount rate is then applied to calculate the present value of the stream of energy savings. Incentives received by the customer are also a program benefit in the participant test.

Other benefits that can be included in the analysis are the customer non-energy benefits and even societal benefits. Customer non-energy benefits might include reduced maintenance, lower insurance premiums, increased productivity, improved product, increased comfort, reduced absenteeism, reduced water/sewage costs and so on. Societal benefits could include improved air quality, reduced public sector expense (i.e. for sewage capacity, etc.), aesthetics etc. Due to the difficulty of accurately tracking and quantifying these benefits we haven't been able to include all program benefits in our calculations.

The table lists the program costs below the section on program benefits. These can be broadly categorized into three groups; (1) lost utility revenues, (2) project costs and (3) utility program costs.

The lost utility revenues only affect the RIM test. Note that in the RIM test the lost utility revenues are a cost and the avoided cost of the same energy is a benefit. Unless the utility has a negative margin on the energy sales (meaning that the utility is losing money for every kWh or therm sold) the program will fail the RIM test. This is why a program can only pass the RIM test if it effects underpriced energy sales (i.e. effects only system-peak energy usage).

The project cost is a cost to society (in the TRC test) and the participant (in the Participant test). These costs should be those associated with obtaining the energy savings claimed by the program only. This is because the program benefits must be consistent with the costs for a legitimate benefit – cost comparison to be made. The program benefits (in our analysis) are based solely upon the energy savings, therefore the costs should only be those costs associated with obtaining those energy savings.

The utility costs are those costs necessary to run the program. These are societal costs (in the TRC), utility costs (in the UCT) and costs that must be borne by the ratepayer (in the RIM). Note, however, that incentives are not a societal (TRC) cost. This is because incentives are a transfer payment from the utility to the customer and don't effect the benefits or costs of all of 'society'.

The final step is simply to add up the benefits appropriate for each test and the costs and perform the division. The benefit-cost ratio is simply the benefits divided by the costs. If the benefits are greater than the costs the 'B/C' ratio is over one and the program 'passes' that test.

In the example used the program is slightly non-cost effective on a societal basis (with a B/C ratio of .94 and a societal 'loss' of only $265,000). Oftentimes the TRC test would benefit substantially from developing project costs that are more consistent with the incremental cost of the energy savings. Furthermore, frequently benefits don't include the value of the reduced maintenance, increased productivity etc. that are present in many of the projects due to problems with reporting and/or quantifying these values.

The program passes the UCT with a B/C ratio of 2.09. This means the program reduces the utility cost of serving customers. In other words, the reduced cost of purchasing energy for the customer is less than the cost of running the program (including the incentives that we give the customer).

The Participant test also has a B/C that passes (1.82). This means that the participating customers are benefiting from our program. The value of their energy savings is greater than the project cost (less the incentive we pay them).

We expectedly fail the RIM test. This means that a non-participating customer is disadvantaged by the program. They incur the adverse effect of an upward pressure on rates but don't benefit from any of the program energy savings. The rate pressure is the result of lost revenues and program costs being greater than the reduced cost of acquiring the energy. Fortunately our programs cover virtually all customer classes and consequently we can state accurately state that we have very few customers who can truly be considered 'non-participants'. Those that don't directly participate in a program do benefit when their suppliers, customers or government participate in their programs.

In the past several years the TRC test has become the most frequently reviewed test of the four original standard practice tests, though most jurisdictions take all four standard practice tests into consideration. Unfortunately the TRC test is also one that is the most difficult to accurately calculate since it requires information that isn't often directly tracked by the utility (i.e. incremental project costs, non-energy benefits etc.).

Triple-E Report
January 1, 2008 – December 31, 2008

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Table 1E **Electric Utility Costs Aggregated by Programs and Customer Segments**

	Incentives[1]	Implementation	TOTAL
SEGMENTS			
Non-Residential	$ 5,505,367	$ 1,265,012	$ 6,770,380
Limited Income	$ 684,446	$ 15,001	$ 699,447
Residential	$ 3,729,165	$ 1,394,053	$ 5,123,219
GENERAL			
General (Implementation)	$ -	$ 1,221,392	$ 1,221,392
OTHER EXPENDITURES			
Regional[2]	$ -	$ 738,621	$ 738,621
TOTAL	**$ 9,918,978**	**$ 4,634,080**	**$ 14,553,058**
BROKEN OUT BY CATEGORY			
Total assigned to segments	$ 9,918,978	$ 2,674,067	$ 12,593,045
Total assigned to general	$ -	$ 1,221,392	$ 1,221,392
Total assigned to other	$ -	$ 738,621	$ 738,621
TOTAL	**$ 9,918,978**	**$ 4,634,080**	**$ 14,553,058**
CATEGORY AS A PERCENT			
Total assigned to segment	68.2%	18.4%	86.5%
Total assigned to general	0.0%	8.4%	8.4%
Total assigned to other pgms.	0.0%	5.1%	5.1%
TOTAL	**68.2%**	**31.8%**	**100.0%**
Total non-regional utility cost	**$ 9,918,978**	**$ 3,895,459**	**$ 13,814,437**

NOTES:

1) Incentives are accounted for on a cash basis and will not match de-rated incentive expenditures amounts.

2) Costs associated with membership in NEEA are included in this table, but are excluded from other tables.

Table 1G **Gas Utility Costs Aggregated by Programs and Customer Segments**

	Incentives[1]	Implementation	TOTAL
SEGMENTS			
Non-Residential	$ 2,145,013	$ 257,086	$ 2,402,099
Limited Income	$ 548,902	$ 11,579	$ 560,481
Residential	$ 2,391,349	$ 345,178	$ 2,736,527
GENERAL			
General (Implementation)	$ -	$ 589,842	$ 589,842
OTHER EXPENDITURES			
Regional[2]	$ -	$ -	$ -
TOTAL	**$ 5,085,264**	**$ 1,203,685**	**$ 6,288,949**
BROKEN OUT BY CATEGORY			
Total assigned to segments	$ 5,085,264	$ 613,843	$ 5,699,107
Total assigned to general	$ -	$ 589,842	$ 589,842
Total assigned to other	$ -	$ -	$ -
TOTAL	**$ 5,085,264**	**$ 1,203,685**	**$ 6,288,949**
CATEGORY AS A PERCENT			
Total assigned to segment	80.9%	9.8%	90.6%
Total assigned to general	0.0%	9.4%	9.4%
Total assigned to other pgms.	0.0%	0.0%	0.0%
TOTAL	**80.9%**	**19.1%**	**100.0%**
Total non-regional utility cost	**$ 5,085,264**	**$ 1,203,685**	**$ 6,288,949**

NOTES:

1) Incentives are accounted for on a cash basis and will not match de-rated incentive expenditures amounts.

2) Costs associated with membership in NEEA are included in this table, but are excluded from other tables.

Table 1EG **Electric Utility Costs Aggregated by Programs and Customer Segments**

	Incentives[1]	Implementation	TOTAL
SEGMENTS			
Non-Residential	$ 7,650,381	$ 1,522,098	$ 9,172,478
Limited Income	$ 1,233,348	$ 26,580	$ 1,259,928
Residential	$ 6,120,514	$ 1,739,231	$ 7,859,745
GENERAL			
General (Implementation)	$ -	$ 1,811,234	$ 1,811,234
OTHER EXPENDITURES			
Regional[2]	$ -	$ 738,621	$ 738,621
TOTAL	**$ 15,004,242**	**$ 5,837,765**	**$ 20,842,007**
BROKEN OUT BY CATEGORY			
Total assigned to segments	$ 15,004,242	$ 3,287,909	$ 18,292,152
Total assigned to general	$ -	$ 1,811,234	$ 1,811,234
Total assigned to other	$ -	$ 738,621	$ 738,621
TOTAL	**$ 15,004,242**	**$ 5,837,765**	**$ 20,842,007**
CATEGORY AS A PERCENT			
Total assigned to segment	72.0%	15.8%	87.8%
Total assigned to general	0.0%	8.7%	8.7%
Total assigned to other pgms.	0.0%	3.5%	3.5%
TOTAL	**72.0%**	**28.0%**	**100.0%**
Total non-regional utility cost	**$ 15,004,242**	**$ 5,099,144**	**$ 20,103,386**

NOTES:

1) Incentives are accounted for on a cash basis and will not match de-rated incentive expenditures amounts.

2) Costs associated with membership in NEEA are included in this table, but are excluded from other tables.

Table 2E — Assignment of Non-Regional Electric Utility Costs to Customer Segments

	Directly Charged Incentive Cost [A]	Directly Charged Implementation Cost [B]	Assigned general cost [C]	Total directly charged costs [D]	Total assigned general cost [E]	Total utility cost [F]
Non-Residential	$ 5,505,367	$ 1,265,012	$ 682,858	$ 6,770,380	$ 682,858	$ 7,453,237
Limited Income	$ 684,446	$ 15,001	$ 30,204	$ 699,447	$ 30,204	$ 729,650
Residential	$ 3,729,165	$ 1,394,053	$ 508,331	$ 5,123,219	$ 508,331	$ 5,631,549
	$ 9,918,978	$ 2,674,067	$ 1,221,392	$ 12,593,045	$ 1,221,392	$ 13,814,437

Table 2G — Assignment of Non-Regional Gas Utility Costs to Customer Segments

	Directly Charged Incentive Cost [A]	Directly Charged Implementation Cost [B]	Assigned general cost [C]	Total directly charged costs [D]	Total assigned general cost [E]	Total utility cost [F]
Non-Residential	$ 2,145,013	$ 257,086	$ 323,785	$ 2,402,099	$ 323,785	$ 2,725,884
Limited Income	$ 548,902	$ 11,579	$ 32,002	$ 560,481	$ 32,002	$ 592,484
Residential	$ 2,391,349	$ 345,178	$ 234,055	$ 2,736,527	$ 234,055	$ 2,970,581
	$ 5,085,264	$ 613,843	$ 589,842	$ 5,699,107	$ 589,842	$ 6,288,949

NOTES:

Column [A] Represents direct cash incentives and will not reconcile to derated incentives used for cost-effectiveness calculations.

Column [B] Represents implementation costs that were charged directly to each customer segment.

Column [C] General costs have been assigned to customer segments based upon that segments share of energy acquired during this calendar year.

Column [D] The sum of directly assigned implementation and cash incentive costs.

Column [E] Equal to Column [C].

Column [F] The total utility cost, including incentives but excluding costs associated with regional programs for each customer segment.

Table 3E Allocation of Incentive and Non-Incentive (Non-Regional) Electric Utility Costs Across Customer Segments and Tecl

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	TOTAL $
Non-Residential	$ 113,717	$ 23,701	$ 2,003,198	$ 1,073,655	$ 3,173,094	$ 622,799	$ 17,587	$ -	$ 154,214	$ 271,271	**$ 7,453,237**
Limited Income	$ 199,086	$ -	$ 169,496	$ -	$ -	$ -	$ -	$ -	$ -	$ 361,068	**$ 729,650**
Residential	$ 631,328	$ -	$ 1,693,265	$ -	$ 2,382,458	$ 6,927	$ -	$ (1,116)	$ 90,215	$ 828,472	**$ 5,631,549**
TOTAL $	**$ 944,132**	**$ 23,701**	**$ 3,865,959**	**$ 1,073,655**	**$ 5,555,552**	**$ 629,726**	**$ 17,587**	**$ (1,116)**	**$ 244,430**	**$ 1,460,811**	**$ 13,814,437**
% of portfolio	6.8%	0.2%	28.0%	7.8%	40.2%	4.6%	0.1%	0.0%	1.8%	10.6%	100.0%

NOTES:

Incentives are de-rated for degree of project completion to match recognition of kWh and therm claims.

Costs associated with regional programs are excluded from this table, and are excluded from all cost-effectiveness calculations.

Table 3G Allocation of Incentive and Non-Incentive (Non-Regional) Gas Utility Costs Across Customer Segments and Tecl

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	TOTAL $
Non-Residential	$ 90,019	$ -	$ 2,119,688	$ 180,511	$ -	$ -	$ -	$ -	$ (73,926)	$ 409,592	**$ 2,725,884**
Limited Income	$ 671	$ -	$ 24,732	$ -	$ -	$ -	$ -	$ -	$ -	$ 567,081	**$ 592,484**
Residential	$ 119,016	$ -	$ 1,155,472	$ -	$ -	$ -	$ -	$ -	$ 28,508	$ 1,667,585	**$ 2,970,581**
TOTAL $	**$ 209,706**	**$ -**	**$ 3,299,891**	**$ 180,511**	**$ -**	**$ -**	**$ -**	**$ -**	**$ (45,418)**	**$ 2,644,259**	**$ 6,288,949**
% of portfolio	3.3%	0.0%	52.5%	2.9%	0.0%	0.0%	0.0%	0.0%	-0.7%	42.0%	100.0%

NOTES:

Incentives are de-rated for degree of project completion to match recognition of kWh and therm claims.

Costs associated with regional programs are excluded from this table, and are excluded from all cost-effectiveness calculations.

Table 4E

Allocation of Electric Derated Incentives Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	TOTAL $	% of Portfolio
Non-Residential	112,652	26,619	1,348,716	568,968	1,966,916	303,223	25,090	-	1,134,140	192,978	$ 5,679,302	60.4%
Limited Income	198,792		118,876							441,995	$ 759,662	8.1%
Residential	367,641	-	965,969	-	391,001	3,000	-	1,799	128,941	1,098,308	$ 2,956,658	31.5%
TOTAL $	$ 679,085	$ 26,619	$ 2,433,561	$ 568,968	$ 2,357,918	$ 306,223	$ 25,090	$ 1,799	$ 1,263,081	$ 1,733,281	$ 9,395,623	100.0%
% of portfolio	7.2%	0.3%	25.9%	6.1%	25.1%	3.3%	0.3%	0.0%	13.4%	18.4%	100.0%	

NOTES:

Incentives represented in this table are calculated on a derated basis.

Table 4G

Allocation of Gas Derated Incentives Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	TOTAL $	% of Portfolio
Non-Residential	98,879	-	1,677,387	38,171	-	-	-	-	73,912	385,016	$ 2,273,364	42.1%
Limited Income	16,688		113,835							520,922	$ 651,445	12.1%
Residential	148,205	-	1,037,308	-	-	-	-	-	19,965	1,273,803	$ 2,479,280	45.9%
TOTAL $	$ 263,772	$ -	$ 2,828,530	$ 38,171	$ -	$ -	$ -	$ -	$ 93,877	$ 2,179,741	$ 5,404,090	100.0%
% of portfolio	4.9%	0.0%	52.3%	0.7%	0.0%	0.0%	0.0%	0.0%	1.7%	40.3%	100.0%	

NOTES:

Incentives represented in this table are calculated on a derated basis.

Table 5E (ID) Allocation of Electric Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Non-Residential	198,420	133,095	4,496,348	2,191,903	7,483,132	767,677	84,840	-	-	370,048	**15,725,463**	**61.6%**
Limited Income	3,112		-							292,565	**295,677**	**1.2%**
Residential	863,941		3,880,532		3,597,142	38,325		5,324	95,251	1,037,650	**9,518,164**	**37.3%**
TOTAL kWh	**1,065,473**	**133,095**	**8,376,880**	**2,191,903**	**11,080,274**	**806,002**	**84,840**	**5,324**	**95,251**	**1,700,263**	**25,539,305**	**100.0%**
% of portfolio	**4.2%**	**0.5%**	**32.8%**	**8.6%**	**43.4%**	**3.2%**	**0.3%**	**0.0%**	**0.4%**	**6.7%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to electric programs (arising from joint or interactive savings effects).

Table 5E (WA) Allocation of Electric Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Non-Residential	440,157	-	6,752,568	3,837,183	10,335,306	2,729,636	13,920	-	865,987	1,153,265	**26,128,022**	**53.0%**
Limited Income	502,002		430,040							623,526	**1,555,568**	**3.2%**
Residential	2,628,870		5,487,421		9,583,757	-	-	(11,499)	403,864	3,545,854	**21,638,266**	**43.9%**
TOTAL kWh	**3,571,029**	**-**	**12,670,028**	**3,837,183**	**19,919,063**	**2,729,636**	**13,920**	**(11,499)**	**1,269,851**	**5,322,645**	**49,321,856**	**100.0%**
% of portfolio	**7.2%**	**0.0%**	**25.7%**	**7.8%**	**40.4%**	**5.5%**	**0.0%**	**0.0%**	**2.6%**	**10.8%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to electric programs (arising from joint or interactive savings effects).

Table 5G (ID) Allocation of Electric Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Non-Residential	-	-	(232,954)	-	-	-	-	-	-	(358)	**(233,311)**	**-25.1%**
Limited Income	-		-							-	**-**	**0.0%**
Residential	17,523		560		-	-		-	1,647	1,141,865	**1,161,595**	**125.1%**
TOTAL kWh	**17,523**	**-**	**(232,394)**	**-**	**-**	**-**	**-**	**-**	**1,647**	**1,141,507**	**928,284**	**100.0%**
% of portfolio	**1.9%**	**0.0%**	**-25.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.2%**	**123.0%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to gas programs.

Table 5G (WA) Allocation of Electric Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell		
Non-Residential	-	-	282,993	-	-	-	-	-	-	33,959	**316,951**	**70.1%**
Limited Income	-		748							3,399	**4,147**	**0.9%**
Residential	124,675		2,947		-	-		-	3,690	-	**131,312**	**29.0%**
TOTAL kWh	**1,028,289**	**-**	**286,688**	**-**	**-**	**-**	**-**	**-**	**3,690**	**37,358**	**452,410**	**100.0%**
% of portfolio	**227.3%**	**0.0%**	**63.4%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.8%**	**8.3%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to gas programs.

Table 5E Allocation of Electric Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Office Equipment	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Non-Residential	638,577	133,095	11,248,916	6,029,086	17,818,438	3,497,313	98,760	-	865,987	1,523,313	**41,853,485**	**55.9%**
Limited Income	505,114	-	430,040	-	-	-	-	-	-	916,091	**1,851,245**	**2.5%**
Residential	3,492,811	-	9,367,953	-	13,180,899	38,325	-	(6,176)	499,115	4,583,503	**31,156,430**	**41.6%**
TOTAL kWh	**4,636,502**	**133,095**	**21,046,908**	**6,029,086**	**30,999,337**	**3,535,638**	**98,760**	**(6,176)**	**1,365,102**	**7,022,908**	**74,861,160**	**100.0%**
% of portfolio	**6.2%**	**0.2%**	**28.1%**	**8.1%**	**41.4%**	**4.7%**	**0.1%**	**0.0%**	**1.8%**	**9.4%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to electric programs (arising from joint or interactive savings effects).

Table 5G Allocation of Electric Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Office Equipment	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Non-Residential	-	-	50,039	-	-	-	-	-	-	33,601	**83,640**	**6.1%**
Limited Income	-	-	748	-	-	-	-	-	-	3,399	**4,147**	**0.3%**
Residential	142,198	-	3,507	-	-	-	-	-	5,337	1,141,865	**1,292,907**	**93.6%**
TOTAL kWh	**142,198**	**-**	**54,294**	**-**	**-**	**-**	**-**	**-**	**5,337**	**1,178,865**	**1,380,694**	**100.0%**
% of portfolio	**10.3%**	**0.0%**	**3.9%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.4%**	**85.4%**	**100.0%**	

NOTES:

These savings include derated kWh savings from the contracted and construction phases.

Energy savings claims made in this table are electric kWh savings attributable to gas programs.

Table 6E (ID) Allocation of Gas Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Non-Residential	(47)	-	(21,533)	-	(22,406)	-	-	-	-	-	**(43,987)**	**80.7%**
Limited Income	-		-							114	**114**	**-0.2%**
Residential	-		(12,597)		(7)	-		-	1,970	-	**(10,634)**	**19.5%**
TOTAL therms	**(47)**	**-**	**(34,130)**	**-**	**(22,413)**	**-**	**-**	**-**	**1,970**	**114**	**(54,507)**	**100.0%**
% of portfolio	**0.1%**	**0.0%**	**62.6%**	**0.0%**	**41.1%**	**0.0%**	**0.0%**	**0.0%**	**-3.6%**	**-0.2%**	**100.0%**	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therms savings attributable to electric programs (arising from joint or interactive savings effects).

Table 6E (WA) Allocation of Gas Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Non-Residential	-	-	(8,372)	-	(41,189)	-	-	-	(14,453)	-	**(64,013)**	**143.0%**
Limited Income	8		-							788	**796**	**-1.8%**
Residential	-		3,754		(461)	-		-	15,169	-	**18,462**	**-41.3%**
TOTAL therms	**8**	**-**	**(4,618)**	**-**	**(41,651)**	**-**	**-**	**-**	**717**	**788**	**(44,756)**	**100.0%**
% of portfolio	**0.0%**	**0.0%**	**10.3%**	**0.0%**	**93.1%**	**0.0%**	**0.0%**	**0.0%**	**-1.6%**	**-1.8%**	**100.0%**	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therms savings attributable to electric programs (arising from joint or interactive savings effects).

Table 6G (ID) Allocation of Gas Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Non-Residential	14,202	-	334,176	9,908	-	-	-	-	-	47,399	**405,684**	**66.5%**
Limited Income	46		738							8,924	**9,708**	**1.6%**
Residential	7,935		80,909		-	-		-	5,274	100,614	**194,732**	**31.9%**
TOTAL therms	**22,183**	**-**	**415,822**	**9,908**	**-**	**-**	**-**	**-**	**5,274**	**156,936**	**610,123**	**100.0%**
	3.6%	**0.0%**	**68.2%**	**1.6%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.9%**	**25.7%**	**100.0%**	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therm savings attributable to gas programs.

Table 6G (WA) Allocation of Gas Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total	% of Portfolio
Non-Residential	20,025	-	471,763	58,725	-	-	-	-	(28,108)	108,335	**630,740**	**49.4%**
Limited Income	70		3,538							89,123	**92,731**	**7.3%**
Residential	22,082		210,508		-	-		-	1,916	319,961	**554,467**	**43.4%**
TOTAL therms	**42,177**	**-**	**685,810**	**58,725**	**-**	**-**	**-**	**-**	**(26,192)**	**517,419**	**1,277,938**	**100.0%**
% of portfolio	**3.3%**	**0.0%**	**53.7%**	**4.6%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**-2.0%**	**40.5%**	**100.0%**	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therm savings attributable to gas programs.

Table 6E Allocation of Gas Savings Attributable to Electric Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Office Equipment	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Non-Residential	(47)	-	(29,905)	-	(63,596)	-	-	-	(14,453)	-	**(108,000)**	**108.8%**
Limited Income	8	-	-	-	-	-	-	-	-	902	**910**	**-0.9%**
Residential	-	-	(8,843)	-	(468)	-	-	-	17,139	-	**7,828**	**-7.9%**
TOTAL therms	**(39)**	**-**	**(38,748)**	**-**	**(64,064)**	**-**	**-**	**-**	**2,687**	**902**	**(99,262)**	**100.0%**
% of portfolio	**0.0%**	**0.0%**	**39.0%**	**0.0%**	**64.5%**	**0.0%**	**0.0%**	**0.0%**	**-2.7%**	**-0.9%**	**100.0%**	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therms savings attributable to electric programs (arising from joint or interactive savings effects).

Table 6G Allocation of Gas Savings Attributable to Gas Programs Across Customer Segments and Technologies

	Appliances	Com-pressed Air	HVAC	Indust. Process	Lighting	Motors	Office Equipment	Renew-ables	Sustain. Buildings	Shell	Total	% of Portfolio
Non-Residential	34,227	-	805,939	68,633	-	-	-	-	(28,108)	155,734	**1,036,424**	**54.9%**
Limited Income	116	-	4,276	-	-	-	-	-	-	98,046	**102,438**	**5.4%**
Residential	30,017	-	291,417	-	-	-	-	-	7,190	420,576	**749,199**	**39.7%**
TOTAL therms	**64,359**	**-**	**1,101,632**	**68,633**	**-**	**-**	**-**	**-**	**(20,918)**	**674,355**	**1,888,061**	**100.0%**
% of portfolio	**3.4%**	**0.0%**	**58.3%**	**3.6%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**-1.1%**	**35.7%**	**100.0%**	

NOTES:

These savings include derated therm savings from the contracted and construction phases.

Energy savings claims made in this table are gas therm savings attributable to gas programs.

Table 7E — Allocation of Electric Non-Energy Benefits Across Customer Segments and Techr

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	TOTAL
Non-Residential	48,824	-	1,976,441	81,913	409,039	31,828	-	-	70,364	15,786	$ 2,634,194
Limited Income											$ -
Residential	474,547	-	-	-	640,685	-	-	129	-	46,788	$ 1,162,150
TOTAL	**$ 523,371**	**$ -**	**$ 1,976,441**	**$ 81,913**	**$ 1,049,725**	**$ 31,828**	**$ -**	**$ -**	**$ 129**	**$ 70,364**	**$ 3,796,344**
% of portfolio	**13.8%**	**0.0%**	**52.1%**	**2.2%**	**27.7%**	**0.8%**	**0.0%**	**0.0%**	**0.0%**	**1.9%**	**98.4%**

NOTES:

This table does not include non-energy benefits which were not sufficiently quantifiable to be claimed as part of the project benefits.

Table 7G — Allocation of Gas Non-Energy Benefits Across Customer Segments and Technologies

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total
Non-Residential	(132,304)	-	847,547	21,046	-	-	-	-	23,155	16,663	$ 776,106
Limited Income											$ -
Residential	-	-	-	-	-	-	-	-	-	38,557	$ 38,557
TOTAL	**$ (132,304)**	**$ -**	**$ 847,547**	**$ 21,046**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 23,155**	**$ 55,220**	**$ 814,663**
% of portfolio	**-16.2%**	**0.0%**	**104.0%**	**2.6%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**2.8%**	**6.8%**	**100.0%**

NOTES:

This table does not include non-energy benefits which were not sufficiently quantifiable to be claimed as part of the project benefits.

Table 8E

Allocation of Electric Customer Costs Across Customer Segments and Tecl

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total
Non-Residential	356,687	142,210	3,506,734	1,745,374	5,119,799	848,426	26,042	-	761,405	1,433,245	$ 13,939,923
Limited Income	172,863		103,370							384,343	$ 660,576
Residential	810,005	-	3,478,407	-	704,344	7,500	-	300,550	144,775	2,782,448	$ 8,228,028
TOTAL	$ 1,339,555	$ 142,210	$ 7,088,510	$ 1,745,374	$ 5,824,143	$ 855,926	$ 26,042	$ 300,550	$ 906,181	$ 4,600,036	$ 22,828,527
% of portfolio	5.9%	0.6%	31.1%	7.6%	25.5%	3.7%	0.1%	1.3%	4.0%	20.2%	100.0%

Table 8G

Allocation of Gas Customer Costs Across Customer Segments and Tecl

	Appliances	Compressed Air	HVAC	Industrial Process	Lighting	Motors	Office Equipment	Renewables	Sustainable Buildings	Shell	Total
Non-Residential	421,658	-	8,393,148	85,742	-	-	-	-	395,435	1,791,876	$ 11,087,858
Limited Income	14,511		98,987							452,976	$ 566,474
Residential	536,697	-	2,232,022	-	-	-	-	-	52,703	3,334,844	$ 6,156,266
TOTAL	$ 972,867	$ -	$ 10,724,157	$ 85,742	$ -	$ -	$ -	$ -	$ 448,137	$ 5,579,696	$ 17,810,599
% of portfolio	5.5%	0.0%	60.2%	0.5%	0.0%	0.0%	0.0%	0.0%	2.5%	31.3%	100.0%

Table 9E (ID) **Electric Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Non-Residnetial	1.99	4.26	2.17	1.18
Limited Income	1.98	1.73	NA	0.77
Residential	2.32	4.89	3.88	0.91
PORTFOLIO	2.10	4.33	2.79	1.05

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9G (ID) **Gas Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Non-Residential	0.42	2.27	0.74	0.54
Limited Income	0.71	0.63	NA	0.32
Residential	1.12	2.36	2.97	0.48
PORTFOLIO	0.59	2.19	1.14	0.51

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9E (WA) **Electric Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Non-Residnetial	1.91	3.44	2.73	1.03
Limited Income	3.26	2.86	NA	0.84
Residential	2.29	4.42	4.18	0.86
PORTFOLIO	2.10	3.77	3.54	0.94

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9G (WA) **Gas Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Non-Residnetial	0.85	2.37	1.69	0.53
Limited Income	1.81	1.58	NA	0.47
Residential	1.20	2.67	2.92	0.50
PORTFOLIO	1.05	2.42	2.41	0.51

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9E **Electric Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Non-Residnetial	1.94	3.69	2.50	1.08
Limited Income	2.88	2.53	NA	0.82
Residential	2.30	4.55	4.09	0.88
PORTFOLIO	2.10	3.94	3.27	0.97

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 9G **Gas Cost-Effectiveness Benefit/Cost Statistics by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Non-Residnetial	0.64	2.34	1.17	0.54
Limited Income	1.58	1.39	NA	0.45
Residential	1.18	2.59	2.93	0.50
PORTFOLIO	0.86	2.35	1.82	0.51

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 10E **Electric Cost-Effectiveness Benefit/Cost Statistics by Technology**

	Total Resource Cost	Utility Cost	Participant	Non-Participant
Appliances	2.61	3.90	5.73	0.87
Compressed Air	0.50	2.27	0.42	0.91
HVAC	2.11	4.33	2.95	0.99
Industrial Process	1.67	3.88	1.85	1.12
Lighting	2.33	4.09	4.13	0.94
Motors	2.73	5.85	2.67	1.45
Office Equipment	1.41	1.46	34.28	0.69
Renewables	(0.02)	(4.45)	(0.01)	3.45
Sustainable Buildings	1.61	1.13	(3.79)	0.57
Shell	1.89	4.43	2.44	1.03
PORTFOLIO	2.10	3.94	3.27	0.97

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 10G **Gas Cost-Effectiveness Benefit/Cost Statistics by Technology**

	Total Resource Cost	Utility Cost	Participant	Non-Participant
Appliances	0.34	1.55	0.76	0.40
Compressed Air	N/A	N/A	N/A	N/A
HVAC	0.68	1.98	1.39	0.51
Industrial Process	4.38	6.82	16.54	0.62
Lighting	N/A	N/A	N/A	N/A
Motors	N/A	N/A	N/A	N/A
Office Equipment	N/A	N/A	N/A	N/A
Renewables	N/A	N/A	N/A	N/A
Sustainable Buildings	(0.28)	(1.76)	(0.48)	N/A
Shell	1.29	2.94	3.06	0.52
PORTFOLIO	0.86	2.35	1.82	0.51

NOTES:

Cost-effectiveness calculations do not include costs or benefits associated with regional programs.
"N/A" is listed for segments with benefits, but no costs.

Table 11E **Electric Net Benefits by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Non-Residential	$ 14,885,659	$ 20,512,086	$ 12,416,021	$ 2,094,207
Limited Income	$ 1,329,153	$ 1,230,067	$ 1,770,660	$ (437,212)
Residential	$ 13,161,818	$ 17,271,038	$ 16,278,611	$ (3,073,691)
PORTFOLIO	$ 29,376,631	$ 39,013,191	$ 30,465,292	$ (1,416,696)

NOTES:

Costs and benefits included in each cost-effectiveness test are detailed in Table 13.
Costs associated with regional programs are excluded from all cost-effectiveness calculations.

Table 11G **Gas Net Benefits by Customer Segment**

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Non-Residential	$ (4,223,757)	$ 3,814,631	$ 1,494,223	$ (5,673,139)
Limited Income	$ 354,804	$ 269,833	$ 1,525,902	$ (1,172,280)
Residential	$ 1,218,001	$ 4,856,430	$ 7,101,776	$ (6,310,280)
PORTFOLIO	$ (2,650,952)	$ 8,940,893	$ 10,121,901	$ (13,155,699)

NOTES:

Costs and benefits included in each cost-effectiveness test are detailed in Table 13.
Costs associated with regional programs are excluded from all cost-effectiveness calculations.

Table 12E — Electric Net Benefits by Technology

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Appliances	$ 2,568,550	$ 2,705,649	$ 3,123,692	$ (555,250)
Compressed Air	$ (73,891)	$ 41,700	$ (66,909)	$ (6,982)
HVAC	$ 9,108,596	$ 11,787,105	$ 9,069,702	$ (112,197)
Industrial Process	$ 1,349,446	$ 2,443,940	$ 1,000,133	$ 349,314
Lighting	$ 9,931,130	$ 12,347,630	$ 10,863,876	$ (1,140,231)
Motors	$ 1,768,374	$ 2,286,249	$ 916,170	$ 852,204
Office Equipment	$ 12,625	$ 13,577	$ 31,685	$ (19,060)
Renewables	$ (306,378)	$ (7,755)	$ (301,881)	$ (4,496)
Sustainable Buildings	$ 598,802	$ 171,537	$ 1,708,638	$ (1,083,448)
Shell	$ 4,419,377	$ 7,223,558	$ 4,120,188	$ 303,450
PORTFOLIO	$ 29,376,631	$ 39,013,191	$ 30,465,292	$ (1,416,696)

NOTES:

Costs and benefits included in each cost-effectiveness test are detailed in Table 13.

Table 12G — Gas Net Benefits by Technology

	Total Resource Cost Test	Utility Cost Test	Participant Test	Non-Participant Test
Appliances	$ (672,532)	$ 168,867	$ (167,206)	$ (531,258)
Compressed Air	N/A	N/A	N/A	N/A
HVAC	$ (3,608,292)	$ 3,439,788	$ 3,071,993	$ (6,633,659)
Industrial Process	$ 419,251	$ 445,776	$ 739,363	$ (320,112)
Lighting	N/A	N/A	N/A	N/A
Motors	N/A	N/A	N/A	N/A
Office Equipment	N/A	N/A	N/A	N/A
Renewables	N/A	N/A	N/A	N/A
Sustainable Buildings	$ (562,248)	$ (231,143)	$ (524,991)	N/A
Shell	$ 1,772,869	$ 5,117,604	$ 7,002,742	$ (5,631,525)
PORTFOLIO	$ (2,650,952)	$ 8,940,893	$ 10,121,901	$ (13,155,699)

Costs and benefits included in each cost-effectiveness test are detailed in Table 13.
Regional program costs and benefits are excluded from all cost-effectiveness calculations.

Table 13E — Summary of Electric Cost-Effectiveness Tests and Descriptive Statistics

Total Resource Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 50,820,676	$ 2,026,328	$ 52,847,004
Non-Energy benefits	$ 3,796,344	$ -	$ 3,796,344
Natural Gas avoided cost	$ (551,338)	$ 8,606	$ (542,732)
TRC benefits	$ 54,065,682	$ 2,034,934	$ 56,100,616
Non-incentive utility cost	$ 3,880,458	$ 15,001	$ 3,895,459
Customer cost	$ 22,167,951	$ 660,576	$ 22,828,527
TRC costs	$ 26,048,409	$ 675,577	$ 26,723,986
TRC ratio	**2.08**	**3.01**	**2.10**
Net TRC benefits	**$ 28,017,274**	**$ 1,359,357**	**$ 29,376,631**

Utility Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 50,820,676	$ 2,026,328	$ 52,847,004
Natural Gas avoided cost	$ (551,338)	$ 8,606	$ (542,732)
UCT benefits	$ 50,269,338	$ 2,034,934	$ 52,304,272
Non-incentive utility cost	$ 3,880,458	$ 15,001	$ 3,895,459
Incentive cost	$ 8,635,960	$ 759,662	$ 9,395,623
UCT costs	$ 12,516,418	$ 774,663	$ 13,291,081
UCT ratio	**4.02**	**2.63**	**3.94**
Net UCT benefits	**$ 37,752,920**	**$ 1,260,271**	**$ 39,013,191**

Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric Bill Reduction	$ 39,313,946	$ 1,658,673	$ 40,972,619
Gas Bill Reduction	$ (883,667)	$ 12,901	$ (870,766)
Non-Energy benefits	$ 3,796,344	$ -	$ 3,796,344
Participant benefits	$ 42,226,623	$ 1,671,574	$ 43,898,197
Customer project cost	$ 22,167,951	$ 660,576	$ 22,828,527
Incentive received	$ (8,635,960)	$ (759,662)	$ (9,395,623)
Participant costs	$ 13,531,991	$ (99,086)	$ 13,432,904
Participant Test ratio	**3.12**	**(16.87)**	**3.27**
Net Participant benefits	**$ 28,694,632**	**$ 1,770,660**	**$ 30,465,292**

Electric Non-Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost savings	$ 50,820,676	$ 2,026,328	$ 52,847,004
Non-Participant benefits	$ 50,820,676	$ 2,026,328	$ 52,847,004
Electric Revenue loss	$ 39,313,946	$ 1,658,673	$ 40,972,619
Non-incentive utility cost	$ 3,880,458	$ 15,001	$ 3,895,459
Customer incentives	$ 8,635,960	$ 759,662	$ 9,395,623
Non-Participant costs	$ 51,830,364	$ 2,433,336	$ 54,263,700
Non-Part. ratio	**0.98**	**0.83**	**0.97**
Net Non-Part. benefits	**$ (1,009,688)**	**$ (407,008)**	**$ (1,416,696)**

Descriptive Statistics	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Annual kWh savings	73,009,915	1,851,245	74,861,160
Annual therm savings	(100,172)	910	(99,262)
Levelized TRC cost per kWh	$ 0.0428	$ 0.0351	$ 0.0425
Levelized UCT cost per kWh	$ 0.0206	$ 0.0403	$ 0.0211

NOTES:

Costs associated with membership in regional programs are excluded from all cost-effectiveness calculations.
"N/A" is listed for segments with benefits, but no costs.

Table 13G — Summary of Gas Cost-Effectiveness Tests and Descriptive Statistics

Total Resource Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 1,795,233	$ 5,303	$ 1,800,535
Non-Energy benefits	$ 814,663	$ -	$ 814,663
Natural Gas avoided cost	$ 12,788,576	$ 959,557	$ 13,748,133
TRC benefits	$ 15,398,472	$ 964,860	$ 16,363,332
Non-incentive utility cost	$ 1,192,106	$ 11,579	$ 1,203,685
Customer cost	$ 17,244,124	$ 566,474	$ 17,810,599
TRC costs	$ 18,436,230	$ 578,053	$ 19,014,284
TRC ratio	**0.84**	**1.67**	**0.86**
Net TRC benefits	**$ (3,037,758)**	**$ 386,806**	**$ (2,650,952)**

Utility Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 1,795,233	$ 5,303	$ 1,800,535
Natural Gas avoided cost	$ 12,788,576	$ 959,557	$ 13,748,133
UCT benefits	$ 14,583,809	$ 964,860	$ 15,548,669
Non-incentive utility cost	$ 1,192,106	$ 11,579	$ 1,203,685
Incentive cost	$ 4,752,645	$ 651,445	$ 5,404,090
UCT costs	$ 5,944,751	$ 663,025	$ 6,607,775
UCT ratio	**2.45**	**1.46**	**2.35**
Net UCT benefits	**$ 8,639,058**	**$ 301,835**	**$ 8,940,893**

Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric Bill Reduction	$ 1,413,569	$ 4,121	$ 1,417,690
Gas Bill Reduction	$ 18,859,247	$ 1,436,810	$ 20,296,057
Non-Energy benefits	$ 814,663	$ -	$ 814,663
Participant benefits	$ 21,087,479	$ 1,440,931	$ 22,528,410
Customer project cost	$ 17,244,124	$ 566,474	$ 17,810,599
Incentive received	$ (4,752,645)	$ (651,445)	$ (5,404,090)
Participant costs	$ 12,491,480	$ (84,971)	$ 12,406,508
Participant Test ratio	**1.69**	**(16.96)**	**1.82**
Net Participant benefits	**$ 8,595,999**	**$ 1,525,902**	**$ 10,121,901**

Gas Non-Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Gas avoided cost savings	$ 12,788,576	$ 959,557	$ 13,748,133
Non-Part benefits	$ 12,788,576	$ 959,557	$ 13,748,133
Gas Revenue loss	$ 18,859,247	$ 1,436,810	$ 20,296,057
Non-incentive utility cost	$ 1,192,106	$ 11,579	$ 1,203,685
Customer incentives	$ 4,752,645	$ 651,445	$ 5,404,090
Non-Part costs	$ 24,803,997	$ 2,099,835	$ 26,903,832
Non-Part. ratio	**0.52**	**0.46**	**0.51**
Net Non-Part. benefits	**$ (12,015,421)**	**$ (1,140,278)**	**$ (13,155,699)**

Descriptive Statistics	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Annual kWh savings	1,376,547	4,147	1,380,694
Annual therm savings	1,785,623	102,438	1,888,061
Levelized TRC cost per therm	$ 1.1581	$ 0.5005	$ 1.0963
Levelized UCT cost per therm	$ 0.3734	$ 0.5741	$ 0.3810

NOTES:

Costs associated with membership in regional programs are excluded from all cost-effectiveness calculations.

"N/A" is listed for segments with benefits, but no costs.

Table 13EG — Summary of Combined Gas and Electric Cost-Effectiveness Tests and Descriptive Statistics

Total Resource Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 52,615,908	$ 2,031,631	$ 54,647,540
Non-Energy benefits	$ 4,611,007	$ -	$ 4,611,007
Natural Gas avoided cost	$ 12,237,239	$ 968,162	$ 13,205,401
TRC benefits	$ 69,464,154	$ 2,999,794	$ 72,463,948
Non-incentive utility cost	$ 5,072,564	$ 26,580	$ 5,099,144
Customer cost	$ 39,412,075	$ 1,227,050	$ 40,639,126
TRC costs	$ 44,484,639	$ 1,253,630	$ 45,738,269
TRC ratio	**1.56**	**2.39**	**1.58**
Net TRC benefits	**$ 24,979,515**	**$ 1,746,163**	**$ 26,725,679**

Utility Cost Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric avoided cost	$ 52,615,908	$ 2,031,631	$ 54,647,540
Natural Gas avoided cost	$ 12,237,239	$ 968,162	$ 13,205,401
UCT benefits	$ 64,853,147	$ 2,999,794	$ 67,852,941
Non-incentive utility cost	$ 5,072,564	$ 26,580	$ 5,099,144
Incentive cost	$ 13,388,605	$ 1,411,108	$ 14,799,713
UCT costs	$ 18,461,169	$ 1,437,688	$ 19,898,857
UCT ratio	**3.51**	**2.09**	**3.41**
Net UCT benefits	**$ 46,391,978**	**$ 1,562,106**	**$ 47,954,084**

Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Electric Bill Reduction	$ 40,727,515	$ 1,662,794	$ 42,390,309
Gas Bill Reduction	$ 17,975,580	$ 1,449,711	$ 19,425,290
Non-Energy benefits	$ 4,611,007	$ -	$ 4,611,007
Participant benefits	$ 63,314,102	$ 3,112,505	$ 66,426,606
Customer project cost	$ 39,412,075	$ 1,227,050	$ 40,639,126
Incentive received	$ (13,388,605)	$ (1,411,108)	$ (14,799,713)
Participant costs	$ 26,023,470	$ (184,058)	$ 25,839,413
Participant Test ratio	**2.43**	**(16.91)**	**2.57**
Net Participant benefits	**$ 37,290,632**	**$ 3,296,562**	**$ 40,587,194**

Gas and Electric Non-Participant Test	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Gas avoided cost savings	$ 12,788,576	$ 959,557	$ 13,748,133
Electric avoided cost savings	$ 50,820,676	$ 2,026,328	$ 52,847,004
Non-Part benefits	$ 63,609,252	$ 2,985,885	$ 66,595,138
Gas Revenue loss	$ 18,859,247	$ 1,436,810	$ 20,296,057
Electric Revenue loss	$ 39,313,946	$ 1,658,673	$ 40,972,619
Non-incentive utility cost	$ 5,072,564	$ 26,580	$ 5,099,144
Customer incentives	$ 13,388,605	$ 1,411,108	$ 14,799,713
Non-Part costs	$ 76,634,361	$ 4,533,171	$ 81,167,532
Non-Part. ratio	**0.83**	**0.66**	**0.82**
Net Non-Part. benefits	**$ (13,025,109)**	**$ (1,547,286)**	**$ (14,572,394)**

Descriptive Statistics	Regular Income portfolio	Limited Income portfolio	Overall portfolio
Annual kWh savings	74,386,462	1,855,392	76,241,854
Annual therm savings	1,685,451	103,348	1,788,799

NOTES:

Costs associated with membership in regional programs are excluded from all cost-effectiveness calculations.
"N/A" is listed for segments with benefits, but no costs.

Table 14EG

Tariff Rider Balances

	January	February	March	April	May	June	July	August	September	October	November	December	1-1-08 to 12-31-08
WASHINGTON ELECTRIC TARIFF RIDER													
Beginning Balance	$ 4,555,539	$ 4,579,969	$ 4,151,675	$ 4,169,027	$ 4,234,929	$ 4,217,000	$ 4,080,737	$ 4,599,670	$ 4,660,467	$ 4,865,714	$ 5,473,701	$ 5,498,678	
Actual WA Rev	$ 629,386	$ 970,532	$ 802,452	$ 785,879	$ 707,443	$ 682,489	$ 697,704	$ 787,954	$ 781,062	$ 712,949	$ 724,329	$ 850,361	$ 9,132,541
Actual WA Exp	$ (653,816)	$ (542,238)	$ (819,803)	$ (851,781)	$ (689,515)	$ (546,225)	$ (1,216,637)	$ (848,751)	$ (986,310)	$ (1,320,935)	$ (749,306)	$ (1,271,120)	$ (10,496,439)
Net Change	$ (24,430)	$ 428,294	$ (17,352)	$ (65,902)	$ 17,928	$ 136,263	$ (518,933)	$ (60,797)	$ (205,247)	$ (607,986)	$ (24,977)	$ (420,759)	$ (1,363,898)
Ending balance	$ 4,579,969	$ 4,151,675	$ 4,169,027	$ 4,234,929	$ 4,217,000	$ 4,080,737	$ 4,599,670	$ 4,660,467	$ 4,865,714	$ 5,473,701	$ 5,498,678	$ 5,919,437	
IDAHO ELECTRIC TARIFF RIDER													
Starting balance	$ (288,396)	$ (460,175)	$ (517,759)	$ (410,581)	$ (371,031)	$ (226,582)	$ (222,342)	$ 45,937	$ 110,262	$ 495,855	$ 1,044,080	$ 1,149,305	
Actual ID Rev	$ 241,730	$ 234,139	$ 215,302	$ 207,746	$ 197,585	$ 178,462	$ 186,024	$ 191,078	$ 187,264	$ 176,968	$ 187,395	$ 222,195	$ 2,425,888
Actual ID Exp	$ (69,951)	$ (176,555)	$ (322,480)	$ (247,296)	$ (342,033)	$ (182,702)	$ (454,303)	$ (255,403)	$ (572,858)	$ (725,193)	$ (292,619)	$ (437,621)	$ (4,079,015)
Net Change	$ 171,779	$ 57,583	$ (107,178)	$ (39,550)	$ (144,449)	$ (4,240)	$ (268,279)	$ (64,325)	$ (385,593)	$ (548,225)	$ (105,225)	$ (215,425)	$ (1,653,126)
Ending balance	$ (460,175)	$ (517,759)	$ (410,581)	$ (371,031)	$ (226,582)	$ (222,342)	$ 45,937	$ 110,262	$ 495,855	$ 1,044,080	$ 1,149,305	$ 1,364,730	
COMBINED ELECTRIC TARIFF RIDERS													
Starting balance	$ 4,267,143	$ 4,119,794	$ 3,633,916	$ 3,758,446	$ 3,863,898	$ 3,990,419	$ 3,858,395	$ 4,645,607	$ 4,770,729	$ 5,361,569	$ 6,517,781	$ 6,647,983	
Actual Rev	$ 871,117	$ 1,204,671	$ 1,017,754	$ 993,625	$ 905,028	$ 860,951	$ 883,727	$ 979,032	$ 968,327	$ 889,916	$ 911,724	$ 1,072,557	$ 11,558,429
Actual Exp	$ (723,767)	$ (718,793)	$ (1,142,284)	$ (1,099,077)	$ (1,031,549)	$ (728,927)	$ (1,670,939)	$ (1,104,154)	$ (1,559,167)	$ (2,046,128)	$ (1,041,926)	$ (1,708,741)	$ (14,575,454)
Net Change	$ 147,349	$ 485,877	$ (124,530)	$ (105,452)	$ (126,520)	$ 132,024	$ (787,212)	$ (125,122)	$ (590,841)	$ (1,156,212)	$ (130,202)	$ (636,185)	$ (3,017,025)
Ending balance	$ 4,119,794	$ 3,633,916	$ 3,758,446	$ 3,863,898	$ 3,990,419	$ 3,858,395	$ 4,645,607	$ 4,770,729	$ 5,361,569	$ 6,517,781	$ 6,647,983	$ 7,284,167	
WASHINGTON GAS TARIFF RIDER													
Starting balance	$ 1,524,098	$ 1,300,657	$ 887,580	$ 849,227	$ 835,897	$ 872,090	$ 1,084,001	$ 1,256,149	$ 1,455,548	$ 1,770,162	$ 2,121,191	$ 2,475,712	
Actual WA Rev	$ 488,129	$ 528,306	$ 355,053	$ 327,183	$ 215,067	$ 112,153	$ 76,790	$ 61,180	$ 71,068	$ 106,170	$ 213,361	$ 363,260	$ 2,917,720
Actual WA Exp	$ (264,688)	$ (115,229)	$ (316,699)	$ (313,854)	$ (251,259)	$ (324,064)	$ (248,938)	$ (260,579)	$ (385,683)	$ (457,199)	$ (567,883)	$ (685,618)	$ (4,191,692)
Net Change	$ 223,442	$ 413,076	$ 38,354	$ 13,330	$ (36,193)	$ (211,911)	$ (172,148)	$ (199,399)	$ (314,615)	$ (351,029)	$ (354,522)	$ (322,359)	$ (1,273,972)
Ending balance	$ 1,300,657	$ 887,580	$ 849,227	$ 835,897	$ 872,090	$ 1,084,001	$ 1,256,149	$ 1,455,548	$ 1,770,162	$ 2,121,191	$ 2,475,712	$ 2,798,071	
IDAHO GAS TARIFF RIDER													
Starting balance	$ 407,643	$ 252,378	$ 43,724	$ 104,176	$ 248,848	$ 238,748	$ 254,265	$ 386,703	$ 469,235	$ 639,206	$ 777,229	$ 857,880	
Actual ID Rev	$ 239,770	$ 242,755	$ 186,447	$ 170,914	$ 114,812	$ 64,313	$ 42,091	$ 34,378	$ 42,037	$ 61,611	$ 117,322	$ 199,043	$ 1,515,493
Actual ID Exp	$ (84,506)	$ (34,101)	$ (246,899)	$ (315,586)	$ (104,712)	$ (79,830)	$ (174,529)	$ (116,910)	$ (212,008)	$ (199,634)	$ (197,974)	$ (376,692)	$ (2,143,380)
	$ 155,264	$ 208,654	$ (60,451)	$ (144,672)	$ 10,100	$ (15,517)	$ (132,438)	$ (82,532)	$ (169,971)	$ (138,023)	$ (80,651)	$ (177,649)	$ (627,887)
Ending balance	$ 252,378	$ 43,724	$ 104,176	$ 248,848	$ 238,748	$ 254,265	$ 386,703	$ 469,235	$ 639,206	$ 777,229	$ 857,880	$ 1,035,530	

Table 14EG

Tariff Rider Balances

	January	February	March	April	May	June	July	August	September	October	November	December	1-1-08 to 12-31-08
COMBINED GAS TARIFF RIDERS													
Starting balance	$ 1,931,741	$ 1,553,035	$ 931,305	$ 953,402	$ 1,084,745	$ 1,110,838	$ 1,338,266	$ 1,642,852	$ 1,924,783	$ 2,409,369	$ 2,898,420	$ 3,333,592	
Actual Rev	$ 727,899	$ 771,061	$ 541,500	$ 498,097	$ 329,879	$ 176,466	$ 118,880	$ 95,558	$ 113,106	$ 167,781	$ 330,684	$ 562,302	$ 4,433,213
Actual Exp	$ (349,193)	$ (149,331)	$ (563,598)	$ (629,440)	$ (355,972)	$ (403,894)	$ (423,467)	$ (377,489)	$ (597,691)	$ (656,832)	$ (765,856)	$ (1,062,310)	$ (6,335,073)
Net Change	$ 378,706	$ 621,730	$ (22,098)	$ (131,343)	$ (26,093)	$ (227,428)	$ (304,587)	$ (281,931)	$ (484,586)	$ (489,051)	$ (435,173)	$ (500,008)	$ (1,901,859)
Ending balance	$ 1,553,035	$ 931,305	$ 953,402	$ 1,084,745	$ 1,110,838	$ 1,338,266	$ 1,642,852	$ 1,924,783	$ 2,409,369	$ 2,898,420	$ 3,333,592	$ 3,833,600	
COMBINED GAS AND ELECTRIC TARIFF RIDERS													
Starting balance	$ 6,198,884	$ 5,672,828	$ 4,565,221	$ 4,711,848	$ 4,948,643	$ 5,101,256	$ 5,196,661	$ 6,288,459	$ 6,695,511	$ 7,770,938	$ 9,416,201	$ 9,981,575	
Actual Rev	$ 1,599,016	$ 1,975,732	$ 1,559,254	$ 1,491,723	$ 1,234,907	$ 1,037,417	$ 1,002,607	$ 1,074,590	$ 1,081,432	$ 1,057,698	$ 1,242,408	$ 1,634,859	$ 15,991,642
Actual Exp	$ (1,072,961)	$ (868,124)	$ (1,705,882)	$ (1,728,517)	$ (1,387,520)	$ (1,132,821)	$ (2,094,406)	$ (1,481,643)	$ (2,156,859)	$ (2,702,961)	$ (1,807,782)	$ (2,771,051)	$ (20,910,526)
Net Change	$ 526,055	$ 1,107,608	$ (146,627)	$ (236,795)	$ (152,613)	$ (95,404)	$ (1,091,799)	$ (407,052)	$ (1,075,426)	$ (1,645,263)	$ (565,374)	$ (1,136,193)	$ (4,918,884)
Ending balance	$ 5,672,828	$ 4,565,221	$ 4,711,848	$ 4,948,643	$ 5,101,256	$ 5,196,661	$ 6,288,459	$ 6,695,511	$ 7,770,938	$ 9,416,201	$ 9,981,575	$11,117,768	

NOTES:

Table 15EG **Calculation of Energy Savings vs. Utility Expenditure Proportionality**

	Adjusted Proportionality Calculation		Unadjusted Proportionality Calculation	
	Electric	**Gas**	**Electric**	**Gas**
Actual 1/1/08 to 12/31/08 cash expenditures	$ 14,553,058	$ 6,288,949	$ 14,553,058	$ 6,288,949
Less cash incentives	$ (9,918,978)	$ (5,085,264)	$ -	$ -
Add in derated incentives	$ 9,395,623	$ 5,404,090	$ -	$ -
Adjusted (for incentives) utility expenditures	$ 14,029,702	$ 6,607,775	$ 14,553,058	$ 6,288,949
Normalize NEEA expenditures	$ 61,379	$ -	$ -	$ -
Total adjusted utility expenditures	$ 14,091,081	$ 6,607,775	$ 14,553,058	$ 6,288,949
DSM revenues 1/1/08 to 12/31/08	$ 11,558,429	$ 4,433,213	$ 11,558,429	$ 4,433,213
Adjusted utility expenditures divided by actual revenues	122%	149%	126%	142%
Energy savings from Triple-E Report	74,861,160	1,888,061	74,861,160	1,888,061
IRP Goal	52,966,689	1,425,070	52,966,689	1,425,070
% of goal achieved	141%	132%	141%	132%
Proportionality (kWh and therm)	**116%**	**89%**	**112%**	**93%**
Proportionality (mmbtu)	**103%**		**103%**	

NOTES:

(1) Adjustments for the difference between cash incentives and those accrued as projects move through the "pipeline" (contracted to construction to completed) remove the effect of scheduling cash payment of incentives to future dates.

(2) NEEA revenues have been adjusted to equal our annual maximum contractual obligation. Regional energy savings are not reflected in this calculation.