# BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-100176

EXHIBIT NO.\_\_\_(LBH-2)

LORI B. HERMANSON

REPRESENTING AVISTA CORPORATION

### Avista Utilities Summary of Washington Demand-Side Management Energy Savings and Levelized Costs January 1, 2010 through December 31, 2011

	Regular in	come portfolio	Limited income portfolio			
	MWh savings	Therm savings	MWh savings	Therm savings		
Electric DSM programs	169,431	(334,698)	2,910	-		
Gas DSM programs	3,174	2,462,825	2	37,091		
Total	172,605	2,128,127	2,912	37,091		
	Total	portfolio				
	MWh savings	Therm savings				

	MWh savings	I herm savings
Electric DSM programs	172,341	(334,698)
Gas DSM programs	3,176	2,499,916
Total	175,517	2,165,218

**Note**: Electric savings derived from gas DSM programs include the impact of electric to natural gas conversions as well as interactive savings resulting from natural gas DSM projects. Therm savings derived from electric DSM projects recognize interactive impacts of electric DSM measures.

### DSM Program Portfolio Levelized Cost Calculations

Natural Gas DSM Program Portfolio

### Electric DSM Program Portfolio

#### Total Resource Cost (TRC) \$ 58,195,043 Total Resource Cost (TRC) \$ 29,332,894 Weighted average measure life 11.82 Weighted average measure life 20.71 Discount rate 6.80% Discount rate 6.80% MWh energy savings 172,341 Therms energy savings 2,499,916 TRC levelized cost \$ 42.483 TRC levelized cost \$ 1.072 Program Administrator Cost (PAC)<sup>1</sup> \$ 25,112,158 Program Administrator Cost (PAC)<sup>1</sup> \$ 11,338,277 Weighted average measure life Weighted average measure life 11.82 20.71 Discount rate 6.80% Discount rate 6.80% MWh energy savings Therms energy savings 2,499,916 172,341 PACT levelized cost \$ 18.332 PACT levelized cost \$ 0.415

1) Program Administrator costs, used for cost-effectiveness reporting, are those associated with projects from the DSM project tracking databases that completed during the 2010-2011 timeframe (net of NEEA expenditures). These differ from the cash basis expenditures from the financial accounting system that occurred during the 2010-2011 timeframe and described on page 2 of Ms. Hermanson's testimony and page 9 of Mr. Folsom's testimony.

### Summary of Washington Electric Demand-Side Management Cost-Effectiveness

January 1	2010 through	December 31	. 2011
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TOTAL RESOURCE COST TEST		Regular income portfolio	l	Limited income portfolio	O١	verall portfolio
Electric program electric avoided cost	\$	90,145,900	\$	2,671,761	\$	92,817,661
Electric program natural gas avoided cost	\$	(2,299,207)	\$		\$	(2,299,207)
Electric program non-energy benefits	\$	1,168,421	\$	113,128	\$	1,281,549
TOTAL TRC BENEFITS	\$	89,015,114	\$	2,784,889	\$	91,800,003
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Electric program non-incentive utility cost Electric program customer cost		7,127,786 49,112,679	\$ \$		\$ \$	7,355,904 50,839,139
TOTAL TRC COSTS	_	56,240,465	Ψ \$	1,954,578		58,195,043
	φ	50,240,405	φ	1,934,578	φ	56,195,045
NET TRC BENEFITS	\$	32,774,649	\$	830,311	\$	33,604,960
TRC BENEFIT / COST RATIO		1.58		1.42		1.58
PROGRAM ADMINISTRATOR COST TEST		Regular income portfolio		Limited income portfolio	O١	verall portfolio
Electric program electric avoided cost	\$	90,145,900	\$	2,671,761	\$	92,817,661
Electric program natural gas avoided cost	\$	(2,299,207)	\$	- :	\$	(2,299,207)
TOTAL PAC BENEFITS	\$	87,846,694	\$	2,671,761	\$	90,518,455
Electric program non-incentive utility cost	\$	7,127,786	\$	228,118	\$	7,355,904
Electric program incentive cost		16,029,794	\$	1,726,460	\$	17,756,254
TOTAL PAC COSTS		23,157,580	\$	1,954,578	\$	25,112,158
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	\$	64,689,113	\$	717,183	\$	65,406,296
PAC BENEFIT / COST RATIO		3.79		1.37		3.60
PARTICIPANT TEST		Regular income portfolio	I	Limited income portfolio	Ô٧	verall portfolio
	\$			II.		
Electric program electric bill reduction		59,014,322	\$	2,553,112	\$	61,567,433
Electric program electric bill reduction Electric program gas bill reduction	\$	59,014,322 463,723		2,553,112		61,567,433 463,723
Electric program electric bill reduction	\$ \$	59,014,322	\$ \$	2,553,112	\$ \$ \$	61,567,433
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS	\$ \$ \$	59,014,322 463,723 1,168,421 60,646,465	\$ \$ \$	2,553,112 	\$ \$ \$	61,567,433 463,723 1,281,549 63,312,705
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost	\$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679	\$ \$ \$ \$	2,553,112 - 9 113,128 2,666,240 1,726,460	\$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost	\$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794)	\$ \$ \$ \$ \$	2,553,112 - 3 113,128 2,666,240 1,726,460 3	\$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254)
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost	\$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679	\$ \$ \$ \$	2,553,112 - 3 113,128 2,666,240 1,726,460 3	\$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost	\$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794)	\$ \$ \$ \$ \$	2,553,112 - 3 113,128 2,666,240 1,726,460 3	\$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254)
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS	\$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885	\$ \$ \$ \$ \$	2,553,112 - ( 113,128 2,666,240 (1,726,460) - (	\$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS	\$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580	\$ \$ \$ \$ \$ \$	2,553,112 - ( 113,128 2,666,240 (1,726,460) - ( 2,666,240 N/A	\$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO	\$ \$ \$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580 1.83	\$ \$ \$ \$ \$ \$	2,553,112 - ( 113,128 2,666,240 (1,726,460) - ( 2,666,240 N/A	\$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820 1.91
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST	\$ \$ \$ \$ \$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580 1.83 Regular income portfolio	\$ \$ \$ \$ \$	2,553,112 - (1) 113,128 2,666,240 (1,726,460) (1,726,460) - (1) 2,666,240 N/A Limited income portfolio	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820 1.91 verall portfolio
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Electric program electric avoided cost TOTAL NON-PARTICIPANT BENEFITS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580 1.83 Regular income portfolio 90,145,900 90,145,900	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,553,112 - 1 113,128 2,666,240 (1,726,460) - 1 2,666,240 N/A Limited income portfolio 2,671,761	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820 1.91 /erall portfolio 92,817,661 92,817,661
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Electric program electric avoided cost TOTAL NON-PARTICIPANT BENEFITS Electric program lost electric revenue PV	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580 1.83 Regular income portfolio 90,145,900 90,145,900 59,014,322	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,553,112 - 113,128 2,666,240 (1,726,460) (1,726,460) - 2,666,240 N/A Limited income portfolio 2,671,761 2,671,761 2,553,112	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820 1.91 verall portfolio 92,817,661 92,817,661 92,817,661 61,567,433
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Electric program electric avoided cost TOTAL NON-PARTICIPANT BENEFITS Electric program lost electric revenue PV Electric program non-incentive utility cost	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580 1.83 Regular income portfolio 90,145,900 90,145,900 59,014,322 7,127,786	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,553,112 - 113,128 2,666,240 1,726,460 (1,726,460) - 2,666,240 N/A Limited income portfolio 2,671,761 2,671,761 2,553,112 228,118	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820 1.91 verall portfolio 92,817,661 92,817,661 61,567,433 7,355,904
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Electric program electric avoided cost TOTAL NON-PARTICIPANT BENEFITS Electric program lost electric revenue PV Electric program non-incentive utility cost Electric program incentive cost	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580 1.83 Regular income portfolio 90,145,900 90,145,900 59,014,322 7,127,786 16,029,794	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,553,112 - 113,128 2,666,240 1,726,460 (1,726,460) - 2 2,666,240 N/A Limited income portfolio 2,671,761 2,671,761 2,553,112 2,28,118 1,726,460	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820 1.91 verall portfolio 92,817,661 92,817,661 61,567,433 7,355,904 17,756,254
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Electric program electric avoided cost TOTAL NON-PARTICIPANT BENEFITS Electric program lost electric revenue PV Electric program non-incentive utility cost	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580 1.83 Regular income portfolio 90,145,900 90,145,900 59,014,322 7,127,786	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,553,112 - 113,128 2,666,240 1,726,460 (1,726,460) - 2,666,240 N/A Limited income portfolio 2,671,761 2,671,761 2,553,112 228,118	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820 1.91 verall portfolio 92,817,661 92,817,661 61,567,433 7,355,904
Electric program electric bill reduction Electric program gas bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Electric program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Electric program electric avoided cost TOTAL NON-PARTICIPANT BENEFITS Electric program lost electric revenue PV Electric program non-incentive utility cost Electric program incentive cost	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	59,014,322 463,723 1,168,421 60,646,465 49,112,679 (16,029,794) 33,082,885 27,563,580 1.83 Regular income portfolio 90,145,900 90,145,900 59,014,322 7,127,786 16,029,794	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,553,112 - 113,128 2,666,240 1,726,460 (1,726,460) - 2 2,666,240 N/A Limited income portfolio 2,671,761 2,671,761 2,553,112 2,28,118 1,726,460	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	61,567,433 463,723 1,281,549 63,312,705 50,839,139 (17,756,254) 33,082,885 30,229,820 1.91 verall portfolio 92,817,661 92,817,661 61,567,433 7,355,904 17,756,254

### **Avista Utilities**

## Summary of Washington Natural Gas Demand-Side Management Cost-Effectiveness January 1, 2010 through December 31, 2011

TOTAL RESOURCE COST TEST	R	Regular income portfolio		Limited income portfolio	C	overall portfolio
Gas program natural gas avoided cost	\$	29,615,217	\$	398,001	\$	30,013,218
Gas program electric avoided cost		4,280,553	\$	1,705	\$	4,282,258
Gas program non-energy benefits		657,263	\$	-	\$	657,263
TOTAL TRC BENEFITS		34,553,033	\$	399,707	\$	34,952,739
Gas program non-incentive utility cost		2,276,722	\$	124,909		2,401,631
Gas program customer cost		25,788,164	\$	1,143,099		26,931,263
TOTAL TRC COSTS	\$	28,064,886	\$	1,268,008	\$	29,332,894
NET TRC BENEFITS	\$	6,488,147	\$	(868,301)	\$	5,619,846
TRC BENEFIT / COST RATIO		1.23		0.32		1.19
	_				_	
PROGRAM ADMINISTRATOR COST TEST	R	egular income portfolio		Limited income portfolio		overall portfolio
Gas program gas avoided cost	\$	29,615,217	\$	398,001		30,013,218
Gas program electric avoided cost	\$	4,280,553	\$	1,705	\$	4,282,258
TOTAL PAC BENEFITS	\$	33,895,770	\$	399,707	\$	34,295,476
Gas program non-incentive utility cost	\$	2,276,722	\$	124,909	\$	2,401,631
Gas program incentive cost	\$	7,793,547	\$	1,143,099	\$	8,936,646
TOTAL PAC COSTS	\$	10,070,269	\$	1,268,008	\$	11,338,277
NET PAC BENEFITS	\$	23,825,501	\$	(868,301)	\$	22,957,199
PAC BENEFIT / COST RATIO		3.37		0.32		3.02
PARTICIPANT TEST	R	egular income portfolio		Limited income portfolio	C	overall portfolio
		<b>č</b>	\$			
Gas program gas bill reduction	\$	Regular income portfolio 15,821,096 3,500,939	\$	319,782		Overall portfolio 16,140,878
Gas program gas bill reduction Gas program electric bill reduction	\$ \$	15,821,096	\$ \$			
Gas program gas bill reduction	\$ \$ \$	15,821,096 3,500,939	\$	319,782	\$ \$	16,140,878
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS	\$ \$ \$	15,821,096 3,500,939 657,263 19,979,298	\$ \$ \$	319,782 1,281 - 321,063	\$ \$ \$	16,140,878 657,263 20,300,361
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost	\$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164	\$ \$ \$ \$	319,782 1,281 321,063 1,143,099	\$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost	\$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547)	\$ \$ \$ \$ \$	319,782 1,281 - 321,063	\$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263 (8,936,646)
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost	\$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164	\$ \$ \$ \$	319,782 1,281 321,063 1,143,099	\$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost	\$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617	\$ \$ \$ \$ \$	319,782 1,281 321,063 1,143,099	\$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263 (8,936,646)
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS	\$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617	\$ \$ \$ \$ \$	319,782 1,281 321,063 1,143,099 (1,143,099)	\$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263 (8,936,646) 17,994,617
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS	\$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617 1,984,681	\$ \$ \$ \$ \$ \$	319,782 1,281 321,063 1,143,099 (1,143,099) - 321,063	\$ \$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263 (8,936,646) 17,994,617 2,305,744
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST	\$ \$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617 1,984,681 1.11 tegular income portfolio	\$ \$ \$ \$ \$ \$	319,782 1,281 - 321,063 (1,143,099 (1,143,099) - 321,063 n/a Limited income portfolio	\$ \$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263 (8,936,646) 17,994,617 2,305,744 1.13 Overall portfolio
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO	\$ \$ \$ \$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617 1,984,681 1.11	\$ \$ \$ \$ \$ \$	319,782 1,281 - 321,063 1,143,099 (1,143,099) - 321,063 n/a Limited income portfolio 398,001	\$ \$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263 (8,936,646) 17,994,617 2,305,744 1.13
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Gas program natural gas avoided cost	\$ \$ \$ \$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617 1,984,681 1.11 Regular income portfolio 29,615,217	\$ \$ \$ \$ \$ \$ \$ \$	319,782 1,281 - 321,063 1,143,099 (1,143,099) - 321,063 n/a Limited income portfolio 398,001	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	16,140,878 657,263 20,300,361 26,931,263 (8,936,646) 17,994,617 2,305,744 1.13 Overall portfolio 30,013,218
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Gas program natural gas avoided cost TOTAL NON-PARTICIPANT BENEFITS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617 1,984,681 1.11 Regular income portfolio 29,615,217 29,615,217	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	319,782 1,281 - 321,063 1,143,099 (1,143,099) - 321,063 n/a Limited income portfolio <u>398,001</u> 398,001	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	16,140,878 <u>657,263</u> 20,300,361 26,931,263 (8,936,646) 17,994,617 2,305,744 1.13 Overall portfolio <u>30,013,218</u> 30,013,218
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Gas program natural gas avoided cost TOTAL NON-PARTICIPANT BENEFITS Gas program lost gas revenue PV	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617 1,984,681 1.11 Regular income portfolio 29,615,217 29,615,217 15,821,096	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	319,782 1,281 - 321,063 1,143,099 (1,143,099) (1,143,099) - 321,063 n/a Limited income portfolio 398,001 398,001 319,782	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	16,140,878 <u>657,263</u> 20,300,361 26,931,263 (8,936,646) 17,994,617 2,305,744 1.13 Overall portfolio <u>30,013,218</u> 30,013,218 16,140,878
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Gas program natural gas avoided cost TOTAL NON-PARTICIPANT BENEFITS Gas program lost gas revenue PV Gas program non-incentive utility cost	\$ \$ \$ \$ \$ \$ <sup>F</sup> \$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617 1,984,681 1.11 Regular income portfolio 29,615,217 29,615,217 15,821,096 2,276,722	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	319,782 1,281 - 321,063 1,143,099 (1,143,099) - 321,063 n/a Limited income portfolio 398,001 398,001 319,782 124,909	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	16,140,878 <u>657,263</u> 20,300,361 26,931,263 (8,936,646) 17,994,617 2,305,744 1.13 Overall portfolio <u>30,013,218</u> 30,013,218 16,140,878 2,401,631
Gas program gas bill reduction Gas program electric bill reduction Non-energy benefits TOTAL PARTICIPANT BENEFITS Customer project cost Gas program incentive cost TOTAL PARTICIPANT COSTS NET PARTICIPANT BENEFITS PARTICIPANT BENEFIT / COST RATIO NON-PARTICIPANT TEST Gas program natural gas avoided cost TOTAL NON-PARTICIPANT BENEFITS Gas program lost gas revenue PV Gas program non-incentive utility cost Gas program non-incentive utility cost	\$ \$ \$ \$ \$ \$ \$ <b>F</b> \$ \$ \$ \$ \$ \$ \$ \$ \$	15,821,096 3,500,939 657,263 19,979,298 25,788,164 (7,793,547) 17,994,617 1,984,681 1.11 Regular income portfolio 29,615,217 29,615,217 15,821,096 2,276,722 7,793,547	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	319,782 1,281 - 321,063 1,143,099 (1,143,099) - 321,063 n/a Limited income portfolio 398,001 398,001 319,782 124,909 1,143,099	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	16,140,878 <u>657,263</u> 20,300,361 26,931,263 (8,936,646) 17,994,617 2,305,744 1.13 Overall portfolio <u>30,013,218</u> 30,013,218 16,140,878 2,401,631 8,936,646