



Docket No.
14-999-02

Questar Gas Company
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UTAH PUBLIC
SERVICE COMMISSION

Barrie L. McKay
Vice President Regulatory Affairs

March 19, 2014

2014 MAR 19 A 8:26

Chris Parker
Utah Department of Commerce
Division of Public Utilities
SM Box 146751
Salt Lake City, UT 84114-6751

RECEIVED

Dear Chris:

Attached please find a copy of the Energy Efficiency Report for the year ended December 31, 2013. This report was designed and prepared based on recommendations from the DPU and Questar Gas for the purpose of providing timely information on Questar Gas' energy-efficiency programs and to assist the Division in monitoring and reporting the status of these programs. The report provides fourth quarter and year-to-date information on participants, costs, and natural gas savings for the Company's energy-efficiency programs.

Spending for the 2013 program year totaled \$28.98 million or 94% of the \$31 million Commission approved ThermWise® budget. Actual expenditures in the Appliance, Business Custom, Home Energy Plan, Weatherization, and Low Income Weatherization programs were lower than budgeted due to lower than expected participation. The market transformation expenditures were also lower than expected (67% of budget) in 2013. This was primarily due to lower than projected marketing expenses and development costs for Energy Comparison Report. The Builder program had expenditures of \$3.15 million which totaled 114% of the 2013 budget. The Business program had expenditures of \$1.93 million or 121% of the 2013 budget. In total, rebate dollars accounted for nearly 79% of total ThermWise® spending in 2013 (74% in 2013 budget) and resulted in annual natural gas savings* of 637,349 decatherms.

If you have any questions, or if we can provide additional information, please contact me.

Sincerely,

Barrie L. McKay

cc: Doug Wheelwright, DPU
Public Service Commission
Office of Consumer Services

*Reflects an approximate 20% reduction in annual Dth savings for freeridership

Questar Gas Company
Energy Efficiency Report - Utah Programs
As of December 31, 2013

Line #	Program	4th Quarter 2013		Total 2013					
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Costs						
1	ThermWise Appliance Rebates	4,469	\$ 1,402,446	18,397	16,859	155,780	\$ 5,127,574	\$ 5,363,360	
2	ThermWise Builder Rebates	2,590	884,782	9,077	6,491	64,857	3,146,005	2,753,002	
3	ThermWise Business Rebates	1,382	724,066	2,052	953	77,877	1,925,641	1,595,770	
4	ThermWise Home Energy Plan	700	166,011	2,871	2,588	24,628	606,729	852,927	
5	ThermWise Weatherization Rebates	19,685	3,535,276	82,409	105,529	277,779	15,208,595	16,400,000	
6	ThermWise Business Custom Rebates	-	137,516	10	50	14,839	557,767	823,602	
7	Market Transformation	N/A	453,033	N/A	N/A	N/A	1,326,395	1,991,813	
8	Low Income Weatherization	1,561	315,419	3,224	3,382	21,590	1,085,026	1,218,599	
9	Programs Total	30,387	\$ 7,618,548	118,040	135,852	637,349	\$ 28,983,731	\$ 30,999,073	
10	DSM Interest	-	204,360	N/A	N/A	N/A	693,471	N/A	
11	DSM Amortization	-	(13,583,305)	N/A	N/A	N/A	(29,505,091)	N/A	
12	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A	
13	2013 TOTAL	30,387	\$ (5,760,397)	118,040	135,852	637,349	\$ 172,112	\$ 30,999,073	

*Savings reflects the net Dth deemed savings based on actual participants with an 80% net-to-gross ratio applied.

Questar Gas Company
ThermWise Appliance Rebate Program - Utah Programs
As of December 31, 2013

Line#	Program	4th Quarter 2013		Total 2013				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace (tier 3)	898	314,300	3,180	3,607	52,152	\$ 1,113,000	\$ 1,262,450
2	95% Efficient Furnace with ECM (tier 4)	1,283	513,200	4,562	3,479	74,817	1,824,800	1,391,600
3	2.6 MEF Washer	1,526	76,300	7,050	5,131	9,814	352,500	256,550
4	Gas Water Heater - Tier 1	375	18,750	1,566	2,508	2,142	78,300	125,400
5	Gas Water Heater - Tier 2	96	9,600	404	279	1,280	40,400	27,900
6	Condensing Gas Water Heater	9	3,150	44	37	324	15,400	12,950
7	Hybrid Gas Water Heater	3	1,050	18	81	147	6,300	28,350
8	Boilers Tier 1	16	6,400	53	13	793	21,200	5,200
9	Boilers Tier 2	22	13,200	82	72	1,653	49,200	43,200
10	Solar Assisted Water Heater (domestic)	52	39,000	189	464	2,646	141,750	348,000
11	Solar Assisted Water Heater (pool)	1	750	9	12	496	6,750	9,000
12	Direct Vent Gas Fireplace	45	9,000	183	250	1,581	36,600	50,000
13	Tankless Gas Water Heater (tier 1)	20	6,000	102	231	718	30,600	69,300
14	Tankless Gas Water Heater (tier 2)	96	33,500	441	460	3,387	154,350	161,000
15	95% Efficient Furnace (tier 3)	13	4,550	25	120	130	8,750	42,000
16	95% Efficient Furnace with ECM (tier 4)	7	2,800	12	65	62	4,800	26,000
17	90% Efficient Furnace (tier 1)	0	0	1	-	11	200	-
18	92% Efficient Furnace (tier 2)	5	1,500	198	-	2,629	59,400	-
19	2.6 MEF Washer	0	0	27	29	38	1,350	1,450
20	Gas Water Heater - Tier 1	1	50	1	8	1	50	400
21	Gas Water Heater - Tier 2	1	100	127	1	402	12,700	100
22	Boilers Tier 2	0	0	-	2	-	-	1,200
23	Solar Assisted Water Heater (domestic)	0	0	-	5	-	-	3,750
24	Solar Assisted Water Heater (pool)	0	0	-	5	-	-	3,750
25	90% Efficient Furnace (tier 1)	0	0	-	-	-	-	-
26	92% Efficient Furnace (tier 2)	0	0	122	-	547	36,600	-
27	Condensing Gas Water Heater	0	0	-	-	-	-	-
28	Hybrid Gas Water Heater	0	0	-	-	-	-	-
29	Boilers Tier 1	0	0	1	-	10	400	-
30	Direct Vent Gas Fireplace	0	0	-	-	-	-	-
31	Tankless Gas Water Heater (tier 1)	0	0	-	-	-	-	-
32	Tankless Gas Water Heater (tier 2)	0	0	-	-	-	-	-
33	Administrative & Overheads	N/A	349,246	N/A	N/A	-	-	-
34	Total	4,469	\$ 1,402,446	18,397	16,859	155,780	\$ 5,127,574	\$ 5,363,360

*Savings reflects the net Dth deemed savings based on actual participants with an 80% net-to-gross ratio applied.

Questar Gas Company
ThermWise Builder Rebates Program - Utah Programs
As of December 31, 2013

Line #	Program	4th Quarter 2013		Total 2013			
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Budget
1	Energy Star 3.0	63	18,900	274	276	6,708 \$	82,200
2	High Performance Homes	14	7,000	65	22	2,246	32,500
3	ThermWise Builder Option Package 1 (Builder Cert)	4	200	14	296	192	700
4	ThermWise Builder Option Package 2 (Rater Cert)	27	2,700	29	291	496	2,900
5	95% Efficient Furnace (tier 3)	619	216,650	1,846	1,614	16,540	646,100
6	95% Efficient Furnace with ECM (tier 4)	293	117,200	678	106	6,057	270,400
7	Tier 1 Storage Water Heater	583	29,150	1,471	922	2,012	73,550
8	.67 EF Storage Water Heater	46	4,600	159	150	504	15,900
9	Tankless Water Heater	0	0	6	30	42	1,800
10	Tankless Water Heater Tier 2	29	10,150	114	30	876	39,900
11	Condensing Gas Water Heater	1	350	2	5	15	700
12	Hybrid Gas Water Heater	2	700	12	20	98	4,200
13	Gas Boiler Rebates Paid - Tier 1	0	0	4	5	39	1,600
14	Gas Boiler Rebates Paid - Tier 2	2	1,200	14	38	180	8,400
15	Solar Assisted Water Heater - domestic	0	0	9	35	126	6,750
16	Solar Assisted Water Heater - pool	0	0	-	5	-	3,750
17	2x6 Walls	309	108,150	1,209	450	12,380	423,150
18	R-5 Window	0	0	-	10	-	3,000
19	90% Efficient Furnace (tier 1)	0	0	30	-	199	6,000
20	92% Efficient Furnace (tier 2)	164	49,200	631	-	6,316	249,300
21	Energy Star 2.5	0	0	(98)	-	(2,289)	(24,500)
22	Energy Star 3.0 - MF	54	10,800	143	100	1,662	28,600
23	High Performance Homes - MF	5	1,500	52	84	861	15,600
24	ThermWise Builder Option Package 1 - MF	0	0	-	69	-	20,700
25	ThermWise Builder Option Package 2 - MF	0	0	63	69	418	6,300
26	95% Efficient Furnace (tier 3) - MF	43	15,050	264	559	1,373	92,400
27	95% Efficient Furnace with ECM (tier 4) - MF	50	20,000	113	28	588	45,200
28	Tier 1 Storage Water Heater - MF	5	250	84	500	115	4,200
29	.67 EF Storage Water Heater - MF	99	9,900	183	20	580	18,300
30	Tankless Water Heater - MF	0	0	-	5	-	1,500
31	Tankless Water Heater Tier 2 - MF	10	3,500	118	12	906	41,300
32	Condensing Gas Water Heater - MF	0	0	-	5	-	1,750
33	Hybrid Gas Water Heater - MF	0	0	-	5	-	2,000
34	Boilers Tier 1 - MF	0	0	-	5	-	3,000
35	Boilers Tier 2 - MF	0	0	-	5	-	3,000
36	Solar Assisted Water Heater - domestic MF	0	0	27	210	378	20,250
37	Solar Assisted Water Heater - pool MF	0	0	-	5	-	3,750
38	2x6 Walls - MF	115	17,250	720	500	2,304	108,000
39	R-5 Window	0	0	-	5	-	900
40	Energy Star 2.5 - MF	0	0	2	-	23	300
41	90% Efficient Furnace (tier 1) - MF	0	0	1	-	4	200
42	92% Efficient Furnace (tier 2) - MF	3	900	536	-	2,387	160,500
43	2010 ENERGY STAR - MF	50	12,500	105	-	493	26,250
44	2011 ENERGY STAR - MF	0	0	-	-	-	-
45	Administrative & Overheads	N/A	228,982	N/A	N/A	N/A	737,065
	Total	2,590	884,782	9,077	6,491	64,857 \$	3,146,005 \$

*Savings reflects the net Dth deemed savings based on actual participants with an 80% net-to-gross ratio applied.

Questar Gas Company
ThermWise Business Rebates Program - Utah Programs
As of December 31, 2013

Line #	Program	4th Quarter 2013		Total 2013				
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	95% Efficient Furnace (tier 3)	240	84,000	257	180	3,721	89,950	\$ 83,000
2	95% Efficient Furnace with ECM (tier 4)	28	11,200	39	20	565	15,600	8,000
3	Gas Storage Water Heater - Tier 1 <75kBtu	214	10,700	214	5	211	10,700	250
4	Gas Storage Water Heater - Tier 2 <75kBtu .67	137	13,700	137	10	406	13,700	1,000
5	Gas Storage Water Heater >75kBtu	3	1,800	23	5	716	10,225	1,988
6	High Efficiency Gas Water Heater - Tankless <200kBTU	22	9,024	29	15	816	11,568	5,975
7	High Efficiency Gas Water Heater - Tankless >200kBTU	20	7,960	22	5	791	11,210	20,081
8	Condensing Gas Water Heater	3	1,050	6	1	44	2,100	350
9	Hybrid Gas Water Heater			-	1	-	-	350
10	2.6 MEF Washer			1	5	1	50	250
11	Commercial Clothes Washer			-	2	-	-	150
12	Boiler Reset Control			1	10	59	250	2,500
13	Boiler Tune-up			4	50	156	1,200	13,884
14	Low Flow Pre-rinse Spray Valve			-	25	-	-	625
15	Direct Contact Water Heater			2	5	104	627	5,500
16	High Efficiency Boiler Hot Water Tier 1			4	10	657	9,140	3,400
17	High Efficiency Boiler Hot Water Tier 2	21	163,634	66	55	46,192	553,068	389,004
18	High Efficiency Boiler Steam Tier 1			-	2	-	-	688
19	High Efficiency Boiler Steam Tier 2	7	55,914	12	1	3,192	107,170	8,711
20	Gas Unit Heater NonCondensing	11	5,500	14	50	214	6,063	15,484
21	Gas Unit Heater Condensing	45	31,850	10	50	381	16,860	92,595
22	Infrared Heating System			275	300	15,014	194,950	166,422
23	High Efficiency Gas Combo Oven	4	4,000	8	20	258	8,000	20,000
24	Energy Star Gas Commercial Fryer			10	10	162	5,000	10,000
25	High Efficiency Gas Convection Oven	3	1,500	10	50	129	5,000	25,000
26	High Efficiency Gas Griddle	1	300	2	10	14	600	3,000
27	Energy Star Gas Steam Cooker			-	15	-	-	15,000
28	Windows - site built (new construction)			46	1	358	10,091	1,195
29	Windows - pre fab (new construction)	522	3,747	522	1	223	3,747	1,120
30	Windows - site built (retrofit)			19	1	5	94	676
31	Windows - pre fab (retrofit)	8	50	25	10	13	169	161
32	Attic Insulation (new construction)	3	7,518	5	1	320	12,303	600
33	Attic Insulation (retrofit)	21	40,455	155	25	1,296	83,612	95,328
34	Wall Insulation (new construction)	1	244	3	1	10	596	255
35	Wall Insulation (retrofit)			1	1	2	93	630
36	92% Plus AFUE Condensing Gas Furnace - Commercial			23	-	298	6,900	
37	94% Plus AFUE Condensing Gas Furnace - Commercial	68	27,200	107	-	1,549	42,800	
38	Administrative & Overheads	N/A	242,720	N/A	N/A	N/A	692,205	652,600
39	Total	1,382	\$ 724,066	\$ 2,052	\$ 953	\$ 77,877	\$ 1,925,641	\$ 1,595,770

*Savings reflects the net Dth deemed savings based on actual participants with an 80% net-to-gross ratio applied.

Questar Gas Company
 ThermWise Home Energy Plan - Utah Programs
 As of December 31, 2013

Line #	Program	4th Quarter 2013		Total 2013						
		Participants**	Costs	Actual Participants**	Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	THERMWISE HOME ENERGY PLAN									
2	Efficiency Measures	681	2,277		2,793	12,453	2,504	24,462	\$ 30,412	\$ 53,770
3	Programmable Thermostat - Residential	19	570		78	N/A	84	166	\$ 2,340	2,520
4	Administrative & Overheads	N/A	163,164		N/A	N/A	N/A	N/A	\$ 573,977	796,637
5	Total	700	\$ 166,011		2,871	12,453	2,588	24,628	\$ 606,729	\$ 852,927

*Savings reflects the net Dth deemed savings based on actual participants with an 80% net-to-gross ratio applied.

**Participants, Plans Completed and Efficiency Items are based on reported numbers from the ThermWise Home Energy Experts.

Questar Gas Company
ThermWise Weatherization Rebates Program - Utah Programs
 As of December 31, 2013

Line #	Program	4th Quarter 2013		Total 2013					Budget
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Costs						
1	Attic Insulation Tier 1 - .25 per sq. ft	4,301	1,545,070	19,704	33,306	120,060	\$ 7,078,988	\$ 7,200,000	
2	Attic Insulation Tier 2	2,481	246,959	10,425	19,651	22,551	1,517,834	2,000,000	
3	Floor Insulation	67	11,594	2,604	3,147	7,659	281,590	300,000	
4	Wall Insulation	217	59,367	1,028	1,855	3,828	270,854	300,000	
5	Windows	5,994	85,367	24,884	9,485	12,246	352,971	360,000	
6	Duct Sealing & Insulation	217	51,270	642	628	6,923	174,270	160,000	
7	R-5 Windows	305	12,116	963	533	836	37,419	40,000	
8	Air Sealing	315	156,461	1,879	2,783	16,563	1,035,194	1,100,000	
9	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	2,497	624,544	8,022	11,845	32,701	1,928,149	1,800,000	
10	Attic Insulation (multifamily) Tier 2	1,023	71,358	4,428	8,226	4,346	292,501	350,000	
11	Floor Insulation (multifamily)	0	0	15	3	8	279	890	
12	Wall Insulation (multifamily)	1	441	15	17	38	2,661	5,000	
13	Windows (multifamily)	4	2,085	6	39	139	3,998	4,500	
14	R-5 Windows	0	0	-	11	-	-	300	
15	Duct Sealing & Insulation (multifamily)	2,263	417,237	7,794	14,000	49,882	1,413,381	1,480,000	
16	Administrative & Overheads	N/A	251,408	N/A	N/A	N/A	818,508	1,299,310	
17	Total	19,685	\$ 3,535,276	82,409	105,529	277,779	15,208,595	16,400,000	

*Savings reflects the net Dth deemed savings based on actual participants with an 80% net-to-gross ratio applied.

Questar Gas Company
 ThermWise Business Custom Rebates Program - Utah Programs
 As of December 31, 2013

Line #	Program	4th Quarter 2013		Total 2013				
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	Business Custom Rebates	-	-	10	50	14,839	\$ 146,329	\$ 250,000
2	Administrative & Overheads	N/A	137,516	-	N/A	N/A	411,438	573,602
3	Total	-	\$ 137,516	10	50	14,839	\$ 557,767	\$ 823,602

*Savings reflects the net Dth deemed savings based on actual participants with an 80% net-to-gross ratio applied.

Questar Gas Company
Market Transformation - Utah Programs
As of December 31, 2013

Line #	Program	4th Quarter 2013		Total 2013			
		Participants	Costs	Actual Participants	Estimated Participants	Actual Costs	Budget
1	Market Transformation Total	N/A	\$ 453,033	N/A	N/A	\$ 1,326,395	\$ 1,991,813

Questar Gas Company
 Low Income Weatherization - Utah Programs
 As of December 31, 2013

Line #	Program	4th Quarter 2013		Year-to-date 2012					
		Actual		Actual Participants	Estimated Participants	Savings*	Dth	Actual Costs	Budget
		Participants	Costs						
1	95% Efficient Furnace	90	31,500	262	631	5,371	\$ 91,700	\$ 220,850	
2	95% Efficient Furnace with ECM	8	3,200	8	-	164	\$ 3,200	-	
3	Gas Water Heater - Tier 1	0	0	-	-	-	-	-	
4	Gas Water Heater - Tier 2	9	900	19	-	75	1,900	-	
5	Attic Insulation - Tier 1	157	41,317	299	547	1,669	78,737	173,837	
6	Attic Insulation Tier 2	56	4,124	115	-	171	9,187	-	
7	Floor Insulation	92	13,618	143	232	742	21,816	49,416	
8	Wall Insulation	68	15,372	138	198	506	28,619	58,443	
9	Windows	382	5,288	746	481	452	10,429	48,581	
10	Programmable Thermostat	217	6,510	405	579	1,077	12,150	17,370	
11	Duct Sealing & Insulation	8	3,541	9	214	121	3,945	93,518	
12	Air Sealing	474	190,050	784	-	5,174	323,344	-	
13	Low Income Furnace Replacement	-	-	296	500	6,068	500,000	500,000	
14	Administrative & Overheads	-	-	N/A	N/A	N/A	-	56,584	
15	Total	1,561	315,419	3,224	3,382	21,590	1,085,026	1,218,599	

*Savings reflects the net Dth deemed savings based on actual participants with an 80% net-to-gross ratio applied.