

15-057-03



UTAH PUBLIC
SERVICE COMMISSION

2015 SEP 22 P 1:44

RECEIVED

September 21, 2015

Questar Gas Company
333 South State Street
PO Box 45003
Salt Lake City, UT 84145-0003
Tel 801 324 5491 • Fax 801 324 5485
Barrie.McKay@Questar.com

Barrie L. McKay
Vice President Regulatory Affairs

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

Docket No. 14-057-25

Dear Chris:

Attached please find a copy of the Energy Efficiency Report for the quarter ended June 30, 2015.

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 quarterly and year-to-date information on participants, costs, and natural gas savings for the Company's energy-efficiency programs.

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

Sincerely,

Barrie L. McKay

cc: Carolyn Roll, DPU
Public Service Commission
Office of Consumer Services

Questar Gas Company
Energy Efficiency Report - Utah Programs
As of June 30, 2015

Line #	Program	2nd Quarter 2015		Total 2015				
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	ThermWise Appliance Rebates	4,725	1,150,137	10,117	22,100	83,994	2,460,557	5,885,450
2	ThermWise Builder Rebates	5,365	1,374,799	7,924	10,224	52,761	2,174,503	3,432,652
3	ThermWise Business Rebates	884	1,128,118	1,238	2,097	40,358	1,764,570	2,693,523
4	ThermWise Home Energy Plan	723	163,817	1,454	3,163	22,610	314,243	900,694
5	ThermWise Weatherization Rebates	8,204	2,003,594	21,763	49,115	87,389	4,187,977	12,115,703
6	ThermWise Business Custom Rebates	3	65,776	8	20	1,138	131,141	559,760
7	Market Transformation	N/A	513,582	N/A	N/A	N/A	900,296	1,453,000
8	ThermWise Energy Comparison Report	57,500	12,659	115,000	230,000	60,450	71,501	400,000
9	Low Income Efficiency Program	111	29,634	439	1,846	2,706	335,713	1,087,326
10	Programs Total **	77,515	6,442,116	42,943	88,565	351,406	12,340,501	28,528,107
11	DSM Interest	N/A	(36,668)	N/A	N/A	N/A	(96,781)	N/A
12	DSM Amortization	N/A	(3,225,295)	N/A	N/A	N/A	(13,095,053)	N/A
13	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A
14	2015 TOTAL	77,515	3,180,152	42,943	88,565	351,406	(851,334)	28,528,107

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

** Total participation reflects rebates and energy plan participants. Energy Comparison Report participants are shown only for the purpose of calculating cost effectiveness.

Questar Gas Company
ThermWise Appliance Rebate Program - Utah Programs
As of June 30, 2015

Line#	Program	2nd Quarter 2015			Total 2015					
		Actual		Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Participants							
1	92% Efficient Furnace with ECM	11	\$	2,200	35	20	465	\$	7,000	4,000
2	95% Efficient Furnace (tier 3)	613		214,550	1,511	3,370	24,780		528,850	1,179,500
3	95% Efficient Furnace with ECM (tier 4)	784		313,600	1,890	4,647	30,996		756,000	1,858,800
4	98% Efficient Furnace with ECM	79		35,550	127	440	2,215		57,150	198,000
5	2.6 MEF Washer	1,295		64,750	2,792	6,973	3,886		139,600	348,650
6	Gas Water Heater - Tier 1	365		18,250	819	1,685	1,120		40,950	84,250
7	Gas Water Heater - Tier 2	198		19,800	395	600	1,251		39,500	60,000
8	Condensing Gas Water Heater	8		2,800	25	42	184		8,750	14,700
9	Hybrid Gas Water Heater	2		700	5	15	41		1,750	5,250
10	Boilers Tier 1	8		3,200	20	70	299		8,000	28,000
11	Boilers Tier 2	20		12,000	48	90	968		28,800	54,000
12	Solar Assisted Water Heater (domestic)	-		-	1	201	14		750	150,750
13	Solar Assisted Water Heater (pool)	5		3,750	6	50	331		4,500	37,500
14	Tankless Gas Water Heater (tier 1)	13		3,900	30	100	211		9,000	30,000
15	Tankless Gas Water Heater (tier 2)	159		55,650	313	550	2,404		109,550	192,500
16	Direct Vent Gas Fireplace	49		9,800	160	315	1,382		32,000	63,000
17	Smart Thermostat (appliance)	1,074		107,400	1,844	2,465	12,687		184,400	246,500
18	92% Efficient Furnace with ECM	-		-	-	35	-		-	7,000
19	95% Efficient Furnace (tier 3)	12		4,200	58	92	524		20,300	32,200
20	95% Efficient Furnace with ECM (tier 4)	1		400	2	6	18		800	2,400
21	98% Efficient Furnace with ECM	-		-	-	5	-		-	2,250
22	2.6 MEF Washer	4		200	9	15	13		450	750
23	Gas Water Heater - Tier 1	2		100	2	15	3		100	750
24	Gas Water Heater - Tier 2	-		-	-	90	-		-	9,000
25	Solar Assisted Water Heater (domestic)	-		-	-	5	-		-	3,750
26	Solar Assisted Water Heater (pool)	1		750	1	5	55		750	3,750
27	Condensing Gas Water Heater	-		-	-	5	-		-	1,750
28	Hybrid Gas Water Heater	-		-	-	5	-		-	1,750
29	Boilers Tier 1	-		-	-	5	-		-	2,000
30	Boilers Tier 2	-		-	-	5	-		-	3,000
31	Direct Vent Gas Fireplace	-		-	-	5	-		-	1,000
32	Smart Thermostat (existing multifamily)	4		400	6	164	19		600	16,400
33	Tankless Gas Water Heater (tier 1)	17		5,100	17	5	120		5,100	1,500
34	Tankless Gas Water Heater (tier 2)	1		350	1	5	8		350	1,750
35	Administrative & Overheads	N/A		270,737	N/A	N/A	N/A		475,557	1,239,050
36	Total	4,725	\$	1,150,137	10,117	22,100	83,994	\$	2,460,557	5,885,450

*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 June 30, 2015

Line #	Program	2nd Quarter 2015		Total 2015						Budget	
		Participants**	Actual Costs	Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs			
1	THERMWISE HOME ENERGY PLAN										
2	Efficiency Measures	721	\$ 11,548	1,443	9,944	3,163	22,586	\$ 18,479	\$ 65,369		
3	Programmable Thermostat - Residential	2	60	11	N/A	-	23	330	-		
4	Administrative & Overheads	N/A	152,209	N/A	N/A	N/A	N/A	295,434	835,325		
5	Total	723	\$ 163,817	1,454	9,944	3,163	22,610	\$ 314,243	\$ 900,694		

*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
ThermiWise Builder Rebates Program - Utah Programs
As of June 30, 2015

Line #	Program	2nd Quarter 2015		Total 2015			Budget
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings*	
1	Energy Star 3.0	121	\$ 36,300	187	305	4,578	\$ 91,500
2	High Performance Homes	9	4,500	13	86	449	43,000
3	ThermiWise Builder Option Package 1 (Builder Cert)	-	-	7	-	96	350
4	ThermiWise Builder Option Package 2 (Rater Cert)	24	2,400	42	-	719	4,200
5	92% Efficient Furnace with ECM	87	17,400	108	519	819	21,600
6	95% Efficient Furnace (tier 3)	904	316,400	1,571	3,120	14,076	1,092,000
7	95% Efficient Furnace with ECM (tier 4)	188	75,200	393	736	3,521	294,400
8	98% Efficient Furnace with ECM	4	1,800	4	5	40	2,250
9	Tier 1 Storage Water Heater	374	18,700	623	1,764	852	31,150
10	.67 EF Storage Water Heater	118	11,800	194	300	615	19,400
11	Tankless Water Heater	3	900	6	5	53	1,800
12	Tankless Water Heater Tier 2	14	4,900	23	200	221	8,050
13	Condensing Gas Water Heater	1	350	2	5	15	700
14	Hybrid Gas Water Heater	-	-	-	10	-	3,500
15	Gas Boiler Rebates Paid - Tier 1	2	800	3	10	29	4,000
16	Gas Boiler Rebates Paid - Tier 2	7	4,200	9	15	116	9,000
17	Solar Assisted Water Heater - domestic	-	-	-	5	-	3,750
18	Solar Assisted Water Heater - pool	-	-	-	5	-	3,750
19	2x6 Walls	414	144,900	734	1,340	7,516	256,900
20	R-5 Window	19	720	49	20	1688	1,818.54
21	Smart Thermostat (builder)	4	400	8	162	28	800
22	HERS- 10% better than code (builder)	-	-	-	270	-	54,000
23	Energy Star 3.0 - MF	326	65,200	326	72	3,834	66,200
24	High Performance Homes - MF	-	-	-	14	-	4,200
25	ThermiWise Builder Option Package 1 - MF	48	2,400	49	-	255	2,450
26	ThermiWise Builder Option Package 2 - MF	347	34,700	407	-	2,702	40,700
27	92% Efficient Furnace with ECM - MF	74	14,800	74	283	332	14,800
28	95% Efficient Furnace (tier 3) - MF	908	317,800	1,386	241	7,207	485,100
29	95% Efficient Furnace with ECM (tier 4) - MF	7	2,800	7	38	36	15,200
30	98% Efficient Furnace with ECM - MF	-	-	-	5	-	2,250
31	Tier 1 Storage Water Heater - MF	412	20,600	523	35	715	26,150
32	.67 EF Storage Water Heater - MF	321	32,100	440	100	1,394	44,000
33	Tankless Water Heater - MF	-	-	-	5	-	1,500
34	Tankless Water Heater Tier 2 - MF	7	2,450	7	75	67	2,450
35	Condensing Gas Water Heater - MF	-	-	-	5	-	1,750
36	Hybrid Gas Water Heater - MF	-	-	-	5	-	1,750
37	Boilers Tier 1 - MF	-	-	-	5	-	2,000
38	Boilers Tier 2 - MF	-	-	-	5	-	3,000
39	Solar Assisted Water Heater - domestic MF	-	-	-	5	-	3,750
40	Solar Assisted Water Heater - pool MF	-	-	-	5	-	3,750
41	2x6 Walls - MF	583	87,450	690	396	2,208	103,500
42	R-5 Window	-	-	-	5	-	2,500
43	Smart Thermostat (new multifamily)	-	-	-	18	-	1,800
44	HERS- 10% better than code (new multifamily)	39	3,900	39	25	251	3,900
45	Administrative & Overheads	N/A	148,929	N/A	N/A	N/A	258,634
46	Total	5,365	\$ 1,374,799	7,924	10,224	52,761	\$ 3,432,652

*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 June 30, 2015

Line #	Program	2nd Quarter 2015			Total 2015		
		Participants	Actual Costs	Dth Savings*	Actual Costs	Budget	Dth Savings*
1	92% Efficient Furnace (tier 3)	1	\$ 200.00	13	200	\$ 37,000	
2	95% Efficient Furnace (tier 3)	46	16,100	1,289	31,150	183,750	
3	95% Efficient Furnace with ECM (tier 4)	30	12,000	33	19,600	13,200	
4	98% Efficient Furnace with ECM (tier 4)	1	450	1	450	450	
5	Gas Storage Water Heater - Tier 1 <75kBtu	-	-	287	-	14,350	
6	Gas Storage Water Heater - Tier 2 <75kBtu .67	-	-	1	-	100	
7	Gas Storage Water Heater >75kBtu	4	5,290	13	11,484	11,376	
8	High Efficiency Gas Water Heater - Tankless <200kBtu	29	11,290	32	12,298	2,004	
9	High Efficiency Gas Water Heater - Tankless >200kBtu	9	9,235	5	9,235	3,522	
10	Condensing Gas Water Heater	-	-	3	-	1,050	
11	Hybrid Gas Water Heater	-	-	1	-	350	
12	Combined Space / Water Heater (business)	-	-	50	-	22,500	
13	2.6 MEF Washer	-	-	1	50	250	
14	Commercial Clothes Washer	-	-	1	-	75	
15	Boiler Reset Control	-	-	1	-	250	
16	Boiler Tune-up Tier 1	28	2,457	33	3,644	2,000	
17	Boiler Tune-up Tier 2	145	42,884	180	53,384	30,000	
18	Boiler Tune-up Tier 3	164	117,322	252	189,263	4,400	
19	Low Flow Pre-rinse Spray Valve	-	-	1	-	25	
20	Smart Thermostat (business)	6	600	7	700	5,000	
21	Direct Contact Water Heater	-	-	1	-	298	
22	High Efficiency Boiler Hot Water Tier 1	3	8,800	5	14,420	4,140	
23	High Efficiency Boiler Hot Water Tier 2	14	123,463	31	226,319	404,261	
24	Boiler Hot Water ≥ 2,500,000 Btu/h (business)	-	-	10	-	97,500	
25	High Efficiency Boiler Steam Tier 1	-	-	1	-	4,140	
26	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business)	-	-	1	-	10,806	
27	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	-	-	1	-	10,806	
28	High Efficiency Boiler Steam Tier 2	-	-	1	45	1,500	
29	Gas Unit Heater NonCondensing	-	-	1	18	500	
30	Gas Unit Heater Condensing	1	1,860	13	4,919	19,698	
31	Infrared Heating System	19	16,400	33	24,500	176,220	
32	Modulating Infrared Heaters (NC or Replacing Non-IR) (business)	-	-	25	-	27,533	
33	Modulating Infrared Heaters (Replacing Non-IR) (business)	-	-	5	-	1,468	
34	Condensing RTU's (business)	-	-	1	-	1,875	
35	High Efficiency Gas Combo Oven	1	1,000	3	3,000	5,000	
36	Energy Star Gas Commercial Fryer	7	3,500	36	18,000	15,000	
37	High Efficiency Gas Convection Oven	8	4,000	12	6,000	9,000	
38	High Efficiency Gas Griddle	6	1,800	6	1,800	900	
39	Energy Star Gas Steam Cooker	-	-	1	-	1,000	
40	Windows - pre fab (new construction)	293	2,027	293	2,027	-	
41	Windows - pre fab (retrofit)	-	-	68	-	374	
42	Windows - site built (retrofit)	-	-	1	-	5	
43	Attic insulation (new construction)	1	1,472	2	3,194	24,809	
44	Attic insulation (retrofit)	65	181,563	140	355,817	607,720	
45	Wall insulation (new construction)	3	1,178	4	1,295	9,775	
46	Wall insulation (retrofit)	-	-	1	1,084	13,543	
47	Administrative & Overheads	N/A	563,228	N/A	768,727	915,000	
48	Total	884	\$ 1,128,118	2,097	\$ 1,764,570.08	\$ 2,693,523	

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

Questar Gas Company
ThermWise Weatherization Rebates Program - Utah Programs
As of June 30, 2015

Line #	Program	2nd Quarter 2015				Total 2015					
		Actual		Costs	Actual		Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants			Participants						
1	Attic Insulation Tier 1 - .25 per sq. ft	2,295	\$	787,824	4,952	18,850	28,922	\$	1,705,324	\$	6,112,113
2	Attic Insulation Tier 2	752		70,465	1,820	10,980	2,527		170,095		1,037,610
3	Floor Insulation	54		9,150	125	321	532		19,552		51,249
4	Wall Insulation	163		48,941	416	905	1,637		115,834		233,296
5	Windows	766		10,875	6,555	-	3,009		86,731		-
6	R-5 Windows	746		28,930	1,306	471	1,056		47,299		18,041
7	Duct Sealing & Insulation	1,403		430,990	2,893	312	31,198		903,137		130,800
8	Air Sealing	66		29,832	147	1,671	883		55,175		880,192
9	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	610		136,503	1,344	5,468	4,920		290,121		1,352,449
10	Attic Insulation (multifamily) Tier 2	159		8,309	249	3,929	203		13,660		265,514
11	Floor Insulation (multifamily)	-		-	-	23	-		-		418
12	Wall Insulation (multifamily)	-		-	-	3	-		-		306
13	Windows (multifamily)	6		603	6	-	21		603		-
14	Duct Sealing & Insulation (multifamily)	1,184		249,865	1,950	6,182	12,480		403,248		1,074,911
15	Administrative & Overheads	N/A		191,305	N/A	N/A	N/A		377,197		958,805
16	Total	8,204	\$	2,003,594	21,763	49,115	87,389	\$	4,187,977	\$	12,115,703

*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 June 30, 2015

Line #	Program	2nd Quarter 2015		Total 2015			
		Participants	Actual Costs	Actual Participants	Estimated Participants	Actual Costs	Budget
1	Market Transformation Total	N/A	\$ 513,582	N/A	N/A	\$ 900,296	\$ 1,453,000

Questar Gas Company
Energy Comparison Report - Utah Programs
 As of June 30, 2015

Line #	Program	2nd Quarter 2015		Total 2015				Budget
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings	Actual Costs	
1	Energy Comparison Report Total	57,500	\$ 12,659	115,000	230,000	60,450	\$ 71,501	\$ 400,000

Questar Gas Company
ThermWise Business Custom Rebates Program - Utah Programs
As of June 30, 2015

Line #	Program	2nd Quarter 2015		Total 2015				Actual Costs	Budget
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*			
1	Business Custom Rebates	3	1,690	8	20	1,138	\$ 11,393	\$ 100,000	
2	Administrative & Overheads	N/A	64,086	-	N/A	N/A	119,748	459,760	
3	Total	3	\$ 65,776	8	20	1,138	\$ 131,141	\$ 559,760	

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

Questar Gas Company
 Low Income Efficiency Program - Utah Programs
 As of June 30, 2015

Line #	Program	2nd Quarter 2015		Total 2015					
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
1	95% Efficient Furnace	22	7,700	63	170	1,292	22,050	59,500	
2	95% Efficient Furnace with ECM	-	-	-	35	-	-	14,000	
3	98% Efficient Furnace with ECM	-	-	1	12	22	450	4,800	
4	Gas Water Heater - Tier 1	-	-	-	20	-	-	1,000	
5	Gas Water Heater - Tier 2	1	100	5	38	20	500	3,800	
6	Boiler- Tier 1	-	-	1	-	19	400	-	
7	Attic Insulation - Tier 1	22	3,955	70	250	276	13,041	254,450	
8	Attic Insulation Tier 2	7	79	23	180	6	304	17,547	
9	Floor Insulation	7	882	16	85	63	1,865	18,105	
10	Wall Insulation	4	707	26	96	88	4,978	28,336	
11	Windows	6	99	108	-	54	1,251	-	
12	Programmable Thermostat	-	-	25	-	67	750	-	
13	Duct Sealing & Insulation	3	1,350	7	90	94	2,931	39,330	
14	Air Sealing	39	13,742	94	360	703	35,135	104,207	
15	Tank Less Gas Water Heater - Tier 1 (low inc	-	-	-	5	-	-	1,500	
16	Tank Less Gas Water Heater - Tier 2 (low inc	-	-	-	5	-	-	1,750	
17	Low Income Furnace Replacement	-	-	-	500	-	250,000	500,000	
18	Administrative & Overheads	N/A	1,020	N/A	N/A	N/A	2,058	39,000	
19	Total	111	\$ 29,634	439	1,846	2,703	\$ 335,713	\$ 1,087,326	

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