



UTAH PUBLIC
SERVICE COMMISSION

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January 25, 2016

Questar Gas Company

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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 September 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 September 30, 2015

Line #	Program	3rd Quarter 2015		Total 2015					
		Actual		Actual	Estimated	Dth	Actual	Budget	
		Participants	Costs	Participants	Participants	Savings*	Costs		
1	ThermWise Appliance Rebates	4,903	1,251,710	15,020	22,100	125,875	3,712,267	5,885,450	
2	ThermWise Builder Rebates	2,981	960,565	10,905	10,224	75,953	3,135,067	3,432,652	
3	ThermWise Business Rebates	1,166	749,790	2,397	2,097	121,650	2,514,360	2,693,523	
4	ThermWise Home Energy Plan	641	140,486	2,095	3,163	26,765	454,729	900,694	
5	ThermWise Weatherization Rebates	7,262	1,823,707	29,025	49,115	125,594	6,011,684	12,115,703	
6	ThermWise Business Custom Rebates	1	57,900	9	20	1,279	189,040	559,760	
7	Market Transformation	N/A	48,353	N/A	N/A	N/A	948,649	1,453,000	
8	ThermWise Energy Comparison Report	57,500	13,830	172,500	230,000	90,675	85,331	400,000	
9	Low Income Efficiency Program	207	304,912	646	1,846	4,182	640,625	1,087,326	
10	Programs Total **	74,661	5,351,252	60,097	88,565	571,973	17,691,753	28,528,107	
11	DSM Interest	N/A	9,432	N/A	N/A	N/A	(87,350)	N/A	
12	DSM Amortization	N/A	(1,673,460)	N/A	N/A	N/A	(14,768,513)	N/A	
13	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A	
14	2015 TOTAL	74,661	3,687,224	60,097	88,565	571,973	2,835,891	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 September 30, 2015

Line#	Program	3rd Quarter 2015		Total 2015					
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
1	92% Efficient Furnace with ECM	14	\$ 2,800	49	20	651	\$ 9,800	4,000	
2	95% Efficient Furnace (tier 3)	550	192,500	2,061	3,370	33,800	721,350	1,179,500	
3	95% Efficient Furnace with ECM (tier 4)	1,071	428,400	2,961	4,647	48,560	1,184,400	1,858,800	
4	98% Efficient Furnace with ECM	134	60,300	261	440	4,552	117,450	198,000	
5	2.5 MEF Washer	1,162	58,100	3,954	6,973	5,504	197,700	348,650	
6	Gas Water Heater - Tier 1	385	19,250	1,204	1,685	1,647	60,200	84,250	
7	Gas Water Heater - Tier 2	147	14,700	542	600	1,717	54,200	60,000	
8	Condensing Gas Water Heater	13	4,550	38	42	280	13,300	14,700	
9	Hybrid Gas Water Heater	1	350	6	15	49	2,100	5,250	
10	Boilers Tier 1	3	1,200	23	70	344	9,200	28,000	
11	Boilers Tier 2	7	4,200	55	90	1,109	33,000	54,000	
12	Solar Assisted Water Heater (domestic)	-	-	1	201	14	750	150,750	
13	Solar Assisted Water Heater (pool)	1	750	7	50	386	5,250	37,500	
14	Tankless Gas Water Heater (tier 1)	9	2,700	39	100	275	11,700	30,000	
15	Tankless Gas Water Heater (tier 2)	104	36,400	417	550	3,203	145,950	192,500	
16	Direct Vent Gas Fireplace	39	7,800	199	315	1,719	39,800	63,000	
17	Smart Thermostat (appliance)	1,181	118,100	3,025	2,465	20,812	302,500	246,500	
18	92% Efficient Furnace with ECM	-	-	-	35	-	-	7,000	
19	95% Efficient Furnace (tier 3)	16	5,600	74	92	669	25,900	32,200	
20	95% Efficient Furnace with ECM (tier 4)	21	8,400	23	6	208	9,200	2,400	
21	98% Efficient Furnace with ECM	-	-	-	5	-	-	2,250	
22	2.6 MEF Washer	2	100	11	15	15	550	750	
23	Gas Water Heater - Tier 1	21	1,050	23	15	31	1,150	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	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)	7	700	13	164	42	1,300	16,400	
33	Tankless Gas Water Heater (tier 1)	14	4,200	31	5	218	9,300	1,500	
34	Tankless Gas Water Heater (tier 2)	1	360	2	5	15	700	1,750	
35	Administrative & Overheads	N/A	279,210	N/A	N/A	N/A	754,767	1,239,050	
36	Total	4,903	\$ 1,251,710	15,020	22,100	125,875	\$ 3,712,267	\$ 5,885,450	

Questar Gas Company
 ThermaWise Builder Rebates Program - Utah Programs
 As of September 30, 2015

Line #	Program	3rd Quarter 2015		Total 2015		Actual Costs	Budget
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants		
1	Energy Star 3.0	103	\$ 30,900	290	305	\$ 7,099	\$ 87,000
2	High Performance Homes	4	2,000	17	86	588	8,500
3	ThermaWise Builder Option Package 1 (Builder Cert)	1	50	8	-	109	400
4	ThermaWise Builder Option Package 2 (Rater Cert)	9	900	51	-	873	5,100
5	92% Efficient Furnace with ECM	50	10,009	158	519	1,198	31,600
6	95% Efficient Furnace (tier 3)	848	296,800	2,419	3,120	21,674	846,650
7	95% Efficient Furnace with ECM (tier 4)	171	68,400	564	736	5,053	225,600
8	98% Efficient Furnace with ECM	1	450	5	5	50	2,250
9	Tier 1 Storage Water Heater	266	13,250	888	1,764	1,215	44,400
10	.57 EF Storage Water Heater	97	9,700	291	300	922	29,100
11	Tankless Water Heater	5	1,500	11	5	97	3,300
12	Tankless Gas Water Heater Tier 2	18	6,300	41	200	394	14,350
13	Condensing Gas Water Heater	3	1,050	5	5	37	1,750
14	Hybrid Gas Water Heater	-	-	-	10	-	-
15	Gas Boiler Rebates Paid - Tier 1	2	800	5	10	48	2,000
16	Gas Boiler Rebates Paid - Tier 2	7	4,200	16	15	206	9,600
17	Solar Assisted Water Heater - domestic	-	-	-	5	-	-
18	Solar Assisted Water Heater - pool	-	-	-	5	-	-
19	2x6 Walls	445	155,750	1,179	1,340	12,073	412,650
20	R-5 Window	0	0	49	20	16,88	1,819
21	Smart Thermostat (builder)	6	600	14	162	48	1,400
22	HERS-10% better than code (builder)	148	29,600	148	270	1,575	29,600
23	Energy Star 3.0 - MF	43	8,600	369	72	4,339	73,800
24	High Performance Homes - MF	-	-	-	14	-	4,200
25	ThermaWise Builder Option Package 1 - MF	-	-	49	-	255	2,450
26	ThermaWise Builder Option Package 2 - MF	-	-	407	-	2,702	40,700
27	92% Efficient Furnace with ECM - MF	1	200	75	283	336	15,000
28	95% Efficient Furnace (tier 3) - MF	293	102,550	1,679	241	8,731	587,650
29	95% Efficient Furnace with ECM (tier 4) - MF	-	-	7	38	36	2,800
30	98% Efficient Furnace with ECM - MF	-	-	-	5	-	2,250
31	Tier 1 Storage Water Heater - MF	121	6,050	644	35	881	32,200
32	.67 EF Storage Water Heater - MF	45	4,500	485	100	1,536	48,500
33	Tankless Water Heater - MF	-	-	-	5	-	1,500
34	Tankless Gas Water Heater Tier 2 - MF	-	-	7	75	67	2,450
35	Condensing Gas Water Heater - MF	-	-	-	5	-	26,250
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	175	26,250	865	366	2,768	129,750
42	R-5 Window	-	-	-	5	-	2,500
43	Smart Thermostat (new multifamily)	-	-	-	18	-	1,800
44	HERS-10% better than code (new multifamily)	120	12,000	159	25	1,024	15,900
45	Administrative & Overheads	N/A	168,165	N/A	N/A	N/A	426,799
46	Total	2,981	\$ 960,565	10,905	10,224	75,953	\$ 3,135,067
							\$ 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
 ThermaWise Business Rebates Program - Utah Programs
 As of September 30, 2015

Line #	Program	3rd Quarter 2015			Total 2015		
		Participants	Costs	Dth Savings*	Actual Costs	Budget	
1	92% Efficient Furnace (Tier 3)	-	-	13	200	37,000	
2	95% Efficient Furnace (Tier 3)	41	14,350	1,882	45,500	183,750	
3	95% Efficient Furnace with ECM (Tier 4)	136	54,400	2,679	74,000	13,200	
4	98% Efficient Furnace with ECM (Tier 4)	-	-	17	450	450	
5	Gas Storage Water Heater - Tier 1 <75kBTU	65	3,250	287	3,250	14,350	
6	Gas Storage Water Heater - Tier 2 <75kBTU .67	-	-	1	-	100	
7	Gas Storage Water Heater >75kBTU	7	2,799	25	1,000	14,282	
8	High Efficiency Gas Water Heater - Tankless <200kBTU	130	46,892	162	4,175	59,190	
9	High Efficiency Gas Water Heater - Tankless >200kBTU	-	-	9	651	9,235	
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	-	-	5	1	250	
14	Commercial Clothes Washer	-	-	1	50	250	
15	Boiler Reset Control	1	250	1	280	75	
16	Boiler Tune-up Tier 1	29	3,628	62	486	2,000	
17	Boiler Tune-up Tier 2	9	2,450	189	7,388	55,834	
18	Boiler Tune-up Tier 3	51	44,379	303	65,420	233,642	
19	Low Flow Pre-Rinse Spray Valve	-	-	1	-	25	
20	Smart Thermostat (business)	15	1,500	22	176.00	2,200	
21	Direct Contact Water Heater	-	-	1	-	298	
22	High Efficiency Boiler Hot Water Tier 1	-	-	5	1,036	4,140	
23	High Efficiency Boiler Hot Water Tier 2	2	9,750	33	19,716	236,069	
24	Boiler Hot Water ≥ 2,500,000 Btuh (business)	-	-	10	-	97,500	
25	High Efficiency Boiler Steam Tier 1	-	-	1	-	4,140	
26	Boiler Steam (Excerpt Natural Draft) ≥ 300,000 Btuh (business)	-	-	1	-	10,806	
27	Boiler Steam (Natural Draft) ≥ 300,000 Btuh (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	-	-	3	111	4,919	
31	Infrared Heating System	98	45,500	131	5,391	19,698	
32	Modulating Infrared Heaters (NC or Replacing Non-IR) (business)	-	-	240	70,000	176,220	
33	Modulating Infrared Heaters (Replacing Non-IR) (business)	-	-	25	-	27,533	
34	Condensing RTUs (business)	-	-	5	-	1,468	
35	High Efficiency Gas Combo Oven	-	-	1	-	1,875	
36	Energy Star Gas Commercial Fryer	9	4,500	3	97	3,000	
37	High Efficiency Gas Convection Oven	12	18	30	727	22,500	
38	High Efficiency Gas Griddle	5	1,500	11	155	6,000	
39	Energy Star Gas Steam Cooker	-	-	3	77	3,300	
40	Windows - pre fab (new construction)	228	1,686	521	-	1,000	
41	Windows - pre fab (retrofit)	-	-	68	221	3,714	
42	Windows - site built (retrofit)	234	2,313	234	134	2,313	
43	Attic Insulation (new construction)	-	-	2	12	5	
44	Attic Insulation (retrofit)	104	273,663	244	83	24,809	
45	Wall Insulation (new construction)	-	-	4	9,757	629,480	
46	Wall Insulation (retrofit)	2	964	3	21	607,720	
47	Administrative & Overheads	N/A	236,017	N/A	50	9,775	
48	Total	1,166	749,790	2,397	2,097	13,543	
					121,650	915,000	
					\$ 2,514,360	\$ 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 Home Energy Plan - Utah Programs
As of September 30, 2015

Line #	Program	3rd Quarter 2015		Total 2015					
		Participants**	Costs	Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	THERMWISE HOME ENERGY PLAN								
2	Efficiency Measures	641	\$ 3,008	2,084	11,938	3,163	26,742	\$ 21,487	\$ 65,369
3	Programmable Thermostat - Residential	-	-	11	N/A	-	23	330	-
4	Administrative & Overheads	N/A	137,479	N/A	N/A	N/A	N/A	432,913	835,325
5	Total	641	\$ 140,486	2,095	11,938	3,163	26,765	\$ 454,729	\$ 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
ThermWise Weatherization Rebates Program - Utah Programs
As of September 30, 2015

Line #	Program	3rd Quarter 2015		Total 2015					
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
1	Attic Insulation Tier 1 - .25 per sq. ft	1,932	\$ 661,168	6,884	18,850	40,136	\$ 2,366,492	\$ 6,112,113	
2	Attic Insulation Tier 2	753	70,685	2,573	10,980	3,577	240,780	1,037,610	
3	Floor Insulation	30	4,992	155	321	688	24,544	51,249	
4	Wall Insulation	158	46,729	574	905	2,298	162,563	233,296	
5	Windows	139	2,053	6,894	-	3,080	88,784	-	
6	R-5 Windows	813	30,368	2,119	471	1,735	77,667	18,041	
7	Duct Sealing & Insulation	1,319	384,352	4,212	312	45,422	1,287,488	130,800	
8	Air Sealing	58	30,629	205	1,671	1,373	85,804	880,192	
9	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	1,028	244,476	2,372	5,468	9,067	534,597	1,352,449	
10	Attic Insulation (multifamily) Tier 2	201	14,560	450	3,929	419	28,221	265,514	
11	Floor Insulation (multifamily)	-	-	-	23	-	-	418	
12	Wall Insulation (multifamily)	1	441	1	3	6	441	306	
13	Windows (multifamily)	0	0	6	-	21	603	-	
14	Duct Sealing & Insulation (multifamily)	830	169,125	2,780	6,182	17,792	572,373	1,074,911	
15	Administrative & Overheads	N/A	164,128	N/A	N/A	N/A	541,325	958,805	
16	Total	7,262	\$ 1,823,707	29,025	49,115	125,594	\$ 6,011,684	\$ 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
ThermWise Business Custom Rebates Program - Utah Programs
As of September 30, 2015

Line #	Program	3rd Quarter 2015		Total 2015						
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants	Savings*	Dth	Actual Costs	Budget	
1	Business Custom Rebates	1	\$ 1,414	9	20	1,279	\$	12,807	100,000	
2	Administrative & Overheads	N/A	56,485	-	N/A	N/A		176,233	459,760	
3	Total	1	\$ 57,900	9	20	1,279	\$	189,040	559,760	

*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 September 30, 2015

Line #	Program	3rd Quarter 2015		Total 2015			
		Actual Participants	Actual Costs	Actual Participants	Estimated Participants	Actual Costs	Budget
1	Market Transformation Total	N/A	\$ 48,353	N/A	N/A	\$ 948,649	\$ 1,453,000

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

Line #	Program	3rd Quarter 2015		Total 2015				
		Actual Participants	Costs	Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
1	Energy Comparison Report Total	57,500	\$ 13,830	172,500	230,000	90,675	\$ 85,331	\$ 400,000

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

Line #	Program	3rd Quarter 2015		Total 2015				
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	95% Efficient Furnace	15	\$ 5,250	78	170	1,599	\$ 27,300	\$ 59,500
2	95% Efficient Furnace with ECM	9	3,600	9	35	185	3,600	14,000
3	98% Efficient Furnace with ECM	-	-	1	12	22	450	4,800
4	Gas Water Heater - Tier 1	2	100	2	20	3	100	1,000
5	Gas Water Heater - Tier 2	5	500	10	38	40	1,000	3,800
6	Boiler- Tier 1	-	-	1	-	19	400	-
7	Attic Insulation - Tier 1	44	8,346	114	250	453	21,387	254,450
8	Attic Insulation Tier 2	12	160	35	180	9	465	17,547
9	Floor Insulation	18	2,607	34	85	152	4,472	18,105
10	Wall Insulation	14	2,653	40	96	135	7,631	28,336
11	Windows	-	-	108	-	54	1,251	-
12	Programmable Thermostat	-	-	25	-	67	750	-
13	Duct Sealing & Insulation	5	1,872	12	90	162	4,803	39,330
14	Air Sealing	83	28,879	177	360	1,280	64,014	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	-	250,000	-	500	-	500,000	500,000
18	Administrative & Overheads	N/A	944	N/A	N/A	N/A	3,002	39,000
19	Total	207	\$ 304,912	646	1,846	4,179	\$ 640,625	\$ 1,087,326

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