



UTAH PUBLIC
SERVICE COMMISSION

2015 JUL 10 P 2: 26

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Questar Gas Company
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Barrie L. McKay
Vice President Regulatory Affairs

July 10, 2015

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

15-057-03

Docket No. ~~14-057-25~~

Dear Chris:

Attached please find a copy of the Energy Efficiency Report for the quarter ended March 31, 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 March 31, 2015

Line #	Program	1st Quarter 2015				Total 2015			
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Costs						
1	ThermWise Appliance Rebates	5,392	\$ 1,310,421	5,392	22,100	46,310	\$ 1,310,421	\$ 5,885,450	
2	ThermWise Builder Rebates	2,559	799,703	2,559	10,224	17,928	799,703	3,432,652	
3	ThermWise Business Rebates	354	636,452	354	2,097	15,933	636,452	2,693,523	
4	ThermWise Home Energy Plan	731	150,426	731	3,163	10,597	150,426	900,694	
5	ThermWise Weatherization Rebates	13,559	2,184,384	13,559	49,115	45,372	2,184,384	12,115,703	
6	ThermWise Business Custom Rebates	5	65,364	5	20	969	65,364	559,760	
9	Low Income Efficiency Program	328	56,079	328	1,846	1,801	56,079	1,087,326	
8	ThermWise Energy Comparison Rept.	57,500	58,842	57,500	230,000	30,225	58,842	400,000	
7	Market Transformation	N/A	386,715	N/A	N/A	N/A	386,715	1,453,000	
10	Programs Total	22,928	5,648,386	22,928	88,565	169,136	5,648,386	28,528,107	
11	DSM Interest	N/A	(60,113)	N/A	N/A	N/A	(60,113)	N/A	
12	DSM Amortization	N/A	(9,869,758)	N/A	N/A	N/A	(9,869,758)	N/A	
13	2014 TOTAL	80,428	\$ (4,281,486)	22,928	88,565	169,136	\$ (4,281,486)	\$ 28,528,107	

*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 March 31, 2015

Line#	Program	1st Quarter 2015			Total 2015					
		Actual		Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants								
1	92% Efficient Furnace with ECM	24	\$ 4,800		24	20	319	\$ 4,800	\$ 4,000	
2	95% Efficient Furnace (tier 3)	898	314,300		898	3,370	14,727	314,300	1,179,500	
3	95% Efficient Furnace with ECM (tier 4)	1,106	442,400		1,106	4,647	18,138	442,400	1,858,800	
4	98% Efficient Furnace with ECM	48	21,600		48	440	837	21,600	198,000	
5	2.6 MEF Washer	1,497	74,850		1,497	6,973	2,084	74,850	348,650	
6	Gas Water Heater - Tier 1	454	22,700		454	1,685	621	22,700	84,250	
7	Gas Water Heater - Tier 2	197	19,700		197	600	624	19,700	60,000	
8	Condensing Gas Water Heater	17	5,950		17	42	125	5,950	14,700	
9	Hybrid Gas Water Heater	3	1,050		3	15	24	1,050	5,250	
10	Boilers Tier 1	12	4,800		12	70	180	4,800	28,000	
11	Boilers Tier 2	28	16,800		28	90	564	16,800	54,000	
12	Solar Assisted Water Heater (domestic)	1	750		1	201	14	750	150,750	
13	Solar Assisted Water Heater (pool)	1	750		1	50	55	750	37,500	
14	Tankless Gas Water Heater (tier 1)	17	5,100		17	100	120	5,100	30,000	
15	Tankless Gas Water Heater (tier 2)	154	53,900		154	550	1,183	53,900	192,500	
16	Direct Vent Gas Fireplace	111	22,200		111	315	959	22,200	63,000	
17	Smart Thermostat (appliance)	770	77,000		770	2,465	5,298	77,000	246,500	
18	92% Efficient Furnace with ECM	-	-		-	35	-	-	7,000	
19	95% Efficient Furnace (tier 3)	46	16,100		46	92	416	16,100	32,200	
20	95% Efficient Furnace with ECM (tier 4)	1	400		1	6	9	400	2,400	
21	98% Efficient Furnace with ECM	-	-		-	5	-	-	2,250	
22	2.6 MEF Washer	5	250		5	15	7	250	750	
23	Gas Water Heater - Tier 1	-	-		-	15	-	-	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)	-	-		-	5	-	-	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)	2	200		2	184	6	200	16,400	
33	Tankless Gas Water Heater (tier 1)	-	-		-	5	-	-	1,500	
34	Tankless Gas Water Heater (tier 2)	-	-		-	5	-	-	1,750	
35	Administrative & Overheads	N/A	204,821		N/A	N/A	N/A	204,821	1,239,050	
36	Total	5,392	\$ 1,310,421		5,392	22,100	46,310	\$ 1,310,421	\$ 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 Builder Rebates Program - Utah Programs
As of March 31, 2015

Line #	Program	1st Quarter 2015			Total 2015				
		Actual		Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants							
1	Energy Star 3.0	66	\$ 19,800		66	305	1,816	\$ 19,800	\$ 91,500
2	High Performance Homes	4	2,000		4	86	138	2,000	43,000
3	ThermWise Builder Option Package 1 (Builder Cert)	7	350		7	-	96	350	-
4	ThermWise Builder Option Package 2 (Rater Cert)	18	1,800		18	-	308	1,800	-
5	92% Efficient Furnace	21	4,200		21	519	159	4,200	103,800
6	95% Efficient Furnace	667	233,450		667	3,120	5,976	233,450	1,092,000
7	95% Efficient Furnace with ECM	205	82,000		205	736	1,837	82,000	294,400
8	96% Efficient Furnace with ECM	-	-		-	5	-	-	2,250
9	Tier 1 Storage Water Heater	249	12,450		249	1,764	341	12,450	88,200
10	.67 EF Storage Water Heater	76	7,600		76	300	241	7,600	30,000
11	Tankless Water Heater	3	900		3	5	26	900	1,500
12	Tankless Water Heater Tier 2	9	3,150		9	200	86	3,150	70,000
13	Condensing Gas Water Heater	1	350		1	5	7	350	1,750
14	Hybrid Gas Water Heater	-	-		-	10	-	-	3,500
15	Gas Boiler Rebates Paid - Tier 1	1	400		1	10	10	400	4,000
16	Gas Boiler Rebates Paid - Tier 2	2	1,200		2	15	26	1,200	9,000
17	Solar Assisted Water Heater - domestic	-	-		-	5	-	-	3,750
18	Solar Assisted Water Heater - pool	-	-		-	5	-	-	3,750
19	2x6 Walls	320	112,000		320	1,340	3,277	112,000	489,000
20	R-5 Window	30	1,099		30	20	10	1,099	10,000
21	Smart Thermostat (builder)	4	400		4	162	14	400	16,200
22	HERS- 10% better than code (builder)	-	-		-	270	-	-	64,000
23	Energy Star 3.0 - MF	-	-		-	72	-	-	14,400
24	High Performance Homes - MF	-	-		-	14	-	-	4,200
25	92% Efficient Furnace with ECM - MF	-	-		-	283	-	-	66,600
26	95% Efficient Furnace (tier 3) - MF	478	167,300		478	241	2,486	167,300	84,350
27	95% Efficient Furnace with ECM (tier 4) - MF	-	-		-	38	-	-	15,200
28	98% Efficient Furnace with ECM - MF	-	-		-	5	-	-	2,250
29	Tier 1 Storage Water Heater - MF	111	5,550		111	35	152	5,550	1,750
30	.67 EF Storage Water Heater - MF	119	11,900		119	100	377	11,900	10,000
31	Tankless Water Heater - MF	-	-		-	5	-	-	1,500
32	Tankless Water Heater Tier 2 - MF	-	-		-	75	-	-	26,250
33	Condensing Gas Water Heater - MF	-	-		-	5	-	-	1,750
34	Hybrid Gas Water Heater - MF	-	-		-	5	-	-	1,750
35	Boilers Tier 1 - MF	-	-		-	5	-	-	2,000
36	Boilers Tier 2 - MF	-	-		-	5	-	-	3,000
37	Solar Assisted Water Heater - domestic MF	-	-		-	5	-	-	3,750
38	Solar Assisted Water Heater - pool MF	-	-		-	5	-	-	3,750
39	2x6 Walls - MF	107	16,050		107	396	342	16,050	99,400
40	R-5 Window	-	-		-	5	-	-	2,500
41	Smart Thermostat (new multifamily)	-	-		-	18	-	-	1,800
42	HERS- 10% better than code (new multifamily)	-	-		-	25	-	-	2,500
43	Administrative & Overheads	N/A	109,705		N/A	N/A	N/A	109,705	742,352
44	Total	2,559	\$ 799,703		2,559	10,224	17,928	\$ 799,703	\$ 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 March 31, 2015

Line #	Program	1st Quarter 2015		Total 2015				
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	92% Efficient Furnace (tier 3)	-	\$ -	-	185	-	\$ -	\$ 37,000
2	95% Efficient Furnace (tier 3)	43	15,050	43	525	623	15,050	183,750
3	95% Efficient Furnace with ECM (tier 4)	19	7,600	19	33	275	7,600	13,200
4	98% Efficient Furnace with ECM (tier 4)	-	-	-	1	-	-	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	9	6,194	9	25	434	6,194	11,376
8	High Efficiency Gas Water Heater - Tankless <200kBTU	3	1,008	3	5	71	1,008	2,004
9	High Efficiency Gas Water Heater - Tankless >200kBTU	-	-	-	5	-	-	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	1	5	1	50	250
14	Commercial Clothes Washer	-	-	-	1	-	-	75
15	Boiler Reset Control	-	-	-	1	-	-	250
16	Boiler Tune-up Tier 1	5	1,187	5	20	39	1,187	2,000
17	Boiler Tune-up Tier 2	35	10,500	35	100	1,368	10,500	30,000
18	Boiler Tune-up Tier 3	88	71,941	88	10	5	71,941	4,400
19	Low Flow Pre-rinse Spray Valve	-	-	-	1	-	-	25
20	Smart Thermostat (business)	1	100	1	50	8.00	100	5,000
21	Direct Contact Water Heater	-	-	-	1	-	-	298
22	High Efficiency Boiler Hot Water Tier 1	2	5,620	2	1	404	5,620	4,140
23	High Efficiency Boiler Hot Water Tier 2	17	102,856	17	75	8,591	102,856	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	1,500	1	-	45	1,500	-
29	Gas Unit Heater Non-Condensing	1	500	1	4	18	500	1,000
30	Gas Unit Heater Condensing	2	3,059	2	13	69	3,059	19,698
31	Infrared Heating System	14	8,100	14	240	624	8,100	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	2	2,000	2	5	64	2,000	5,000
36	Energy Star Gas Commercial Fryer	29	14,500	29	30	469	14,500	15,000
37	High Efficiency Gas Convection Oven	4	2,000	4	18	52	2,000	9,000
38	High Efficiency Gas Griddle	-	-	-	3	-	-	900
39	Energy Star Gas Steam Cooker	-	-	-	1	-	-	1,000
40	Windows - pre fab (retrofit)	-	-	-	68	-	-	374
41	Windows - site built (retrofit)	-	-	-	1	-	-	5
42	Attic Insulation (new construction)	1	1,722	1	12	45	1,722	24,809
43	Attic Insulation (retrofit)	75	174,255	75	250	2,701	174,255	607,720
44	Wall Insulation (new construction)	1	117	1	7	2	117	9,775
45	Wall Insulation (retrofit)	1	1,094	1	15	26	1,094	13,543
46	Administrative & Overheads	N/A	205,500	N/A	N/A	N/A	205,500	915,000
47	Total	354	\$ 636,452	354	2,097	15,933	\$ 636,452	\$ 2,693,523

*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 March 31, 2015

Line #	Program	1st Quarter 2015		Total 2015						
		Participants**	Actual Costs	Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget	
1	THERMWISE HOME ENERGY PLAN									
2	Efficiency Measures	722	\$ 6,931	722	15,024	3,163	10,578	\$ 6,931	\$ 65,369	
3	Programmable Thermostat - Residential	9	270	9	N/A	-	19	270	-	
4	Administrative & Overheads	N/A	143,225	N/A	N/A	N/A	N/A	143,225	835,325	
5	Total	731	\$ 150,426	731	15,024	3,163	10,597	\$ 150,426	\$ 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 March 31, 2015

Line #	Program	1st Quarter 2015				Total 2015			
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Costs						
1	Attic Insulation Tier 1 - .25 per sq. ft	2,657	\$ 917,500	2,657	18,850	15,561	\$ 917,500	\$ 6,112,113	
2	Attic Insulation Tier 2	1,068	99,630	1,068	10,980	1,480	99,630	1,037,610	
3	Floor Insulation	71	10,402	71	321	283	10,402	51,249	
4	Wall Insulation	253	66,893	253	905	945	66,893	233,296	
5	Windows	5,789	75,856	5,789	-	2,632	75,856	-	
6	R-5 Windows	560	18,369	560	471	410	18,369	18,041	
7	Duct Sealing & Insulation	1,490	472,146	1,490	312	16,068	472,146	130,800	
8	Air Sealing	81	25,344	81	1,671	405	25,344	880,192	
9	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	734	153,619	734	5,468	2,605	153,619	1,352,449	
10	Attic Insulation (multifamily) Tier 2	90	5,351	90	3,929	79	5,351	265,514	
11	Floor Insulation (multifamily)	-	-	-	23	-	-	418	
12	Wall Insulation (multifamily)	-	-	-	3	-	-	306	
13	Duct Sealing & Insulation (multifamily)	766	153,383	766	6,182	4,902	153,383	1,074,911	
14	Administrative & Overheads	N/A	185,892	N/A	N/A	N/A	185,892	958,805	
15	Total	13,559	\$ 2,184,384	13,559	49,115	45,372	\$ 2,184,384	\$ 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 March 31, 2015

Line #	Program	1st Quarter 2015		Total 2015					Budget
		Participants	Costs	Actual Participants	Estimated Participants	Savings*	Dth	Actual Costs	
1	Business Custom Rebates	5	\$ 9,703	5	20		969	\$ 9,703	\$ 100,000
2	Administrative & Overheads	N/A	55,661	-	N/A		N/A	55,661	459,760
3	Total	5	\$ 65,364	5	20		969	\$ 65,364	\$ 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 March 31, 2015

Line #	Program	1st Quarter 2015		Total 2015				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	92% Efficient Furnace	-	\$ -	-	-	-	\$ -	-
2	95% Efficient Furnace	41	14,350	41	170	841	14,350	59,500
3	95% Efficient Furnace with ECM	-	-	-	35	-	-	14,000
4	98% Efficient Furnace with ECM	1	450	1	12	22	450	4,800
5	Gas Water Heater - Tier 1	-	-	-	20	-	-	1,000
6	Gas Water Heater - Tier 2	4	400	4	38	16	400	3,800
7	Boiler- Tier 1	1	400	1	-	19	400	-
8	Attic Insulation - Tier 1	48	9,086	48	250	193	9,086	79,450
9	Attic Insulation Tier 2	16	225	16	180	4	225	17,547
10	Floor Insulation	9	982	9	85	33	982	18,105
11	Wall Insulation	22	4,271	22	96	75	4,271	28,336
12	Windows	102	1,152	102	-	50	1,152	-
13	Programmable Thermostat	25	750	25	-	67	750	-
14	Duct Sealing & Insulation	4	1,581	4	90	54	1,581.25	39,330
15	Air Sealing	55	21,393	55	360	428	21,393	104,207
16	Tank Less Gas Water Heater - Tier 1 (low inc	-	-	-	5	-	-	1,500
17	Tank Less Gas Water Heater - Tier 2 (low inc	-	-	-	5	-	-	1,750
18	Low Income Furnace Replacement	-	-	-	500	-	-	675,000
19	Administrative & Overheads	N/A	1,039	N/A	N/A	N/A	1,039	39,000
20	Total	328	\$ 56,079	328	1,846	1,801	\$ 56,079	\$ 1,087,326

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

Questar Gas Company
ThermWise Energy Comparison Report - Utah Programs
As of March 31, 2015

Line #	Program	1st Quarter 2015		Total 2015				Budget
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings	Actual Costs	
1	Energy Comparison Report Total	57,500	\$ 58,842	57,500	230,000	30,225	\$ 58,842	\$ 400,000

Questar Gas Company
Market Transformation - Utah Programs
As of March 31, 2015

Line #	Program	1st Quarter 2015		Total 2015			
		Participants	Actual Costs	Actual Participants	Estimated Participants	Actual Costs	Budget
1	Market Transformation Total	N/A	\$ 386,715	N/A	N/A	\$ 386,715	\$ 1,453,000