

Dominion Energy Utah
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DominionEnergy.com



17-057-10

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

July 27, 2017

Subject: Docket No. 16-057-15

Dear Chris:

Attached please find a copy of the Energy Efficiency Report for the quarter ended March 31, 2017. This report was designed and prepared based on recommendations from the DPU and Dominion Energy (formally 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,

A handwritten signature in blue ink, appearing to read "M. A. Orton", with a stylized flourish at the end.

Michael A. Orton
Director Energy Efficiency

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

**Dominion Energy
Energy Efficiency Report - Utah Programs
As of March 31, 2017**

Line #	Program	1st Quarter 2017		Total 2017				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	ThermWise Appliance Rebates	7,630	\$ 1,716,994	7,630	20,529	72,447	\$ 1,716,994	\$ 6,160,250
2	ThermWise Builder Rebates	6,206	1,606,662	6,206	16,764	38,938	1,606,662	5,332,588
3	ThermWise Business Rebates	371	617,395	371	2,257	23,198	617,395	2,906,935
4	ThermWise Home Energy Plan	687	114,629	687	2,800	13,748	114,629	760,265
5	ThermWise Weatherization Rebates	6,457	1,076,978	6,457	25,783	21,732	1,076,978	7,248,031
6	Market Transformation	N/A	231,882	N/A	N/A	N/A	231,882	1,340,000
7	ThermWise Energy Comparison Report	63,750	127,823	63,750	255,000	58,013	127,823	480,217
8	Low Income Efficiency Program	52	265,450	52	1,662	439	265,450	859,675
9	Programs Total **	21,403	\$ 5,757,812	21,403	69,795	228,513	\$ 5,757,812	\$ 25,087,962
10	DSM Interest	N/A	(14,972)	N/A	N/A	N/A	(14,972)	N/A
11	DSM Amortization	N/A	(8,927,298)	N/A	N/A	N/A	(8,927,298)	N/A
12	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A
13	2017 TOTAL	21,403	\$ (3,184,459)	21,403	69,795	228,513	\$ (3,184,459)	\$ 25,087,962

*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.

Dominion Energy
ThermWise Appliance Rebate Program - Utah Programs
As of March 31, 2017

Line#	Program	1st Quarter 2017		Total 2017						
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget		
		Participants	Costs							
1	92% Efficient Furnace	12	\$ 2,400	12	61	159	\$ 2,400	\$ 12,200		
2	95% Efficient Furnace	945	330,750	945	3,364	15,498	330,750	1,177,400		
3	95% Efficient Furnace with ECM	1,319	527,600	1,319	4,794	21,632	527,600	1,917,600		
4	98% Efficient Furnace with ECM	250	112,500	250	700	4,360	112,500	315,000		
5	2.7 IMEF Washer	776	38,800	776	-	757	38,800	-		
6	Gas Water Heater - Tier 2	152	15,200	152	761	348	15,200	76,100		
7	Condensing Gas Water Heater	21	7,350	21	70	146	7,350	24,500		
8	Hybrid Gas Water Heater	7	2,450	7	10	49	2,450	3,500		
9	Boilers Tier 1	6	2,400	6	40	90	2,400	16,000		
10	Boilers Tier 2	37	22,200	37	81	746	22,200	48,600		
11	Solar Assisted Water Heater (domestic)	2	1,500	2	7	28	1,500	5,250		
12	Solar Assisted Water Heater (pool)	1	750	1	7	55	750	5,250		
13	Tankless Gas Water Heater (tier 2)	1	350	1	-	8	350	-		
14	Tankless Gas Water Heater (tier 1)	11	3,300	11	73	75	3,300	21,900		
15	Tankless Gas Water Heater (tier 2)	228	79,800	228	725	1,709	79,800	253,750		
16	Direct Vent Gas Fireplace	195	39,000	195	351	1,685	39,000	70,200		
17	Smart Thermostat (appliance)	3,629	362,900	3,629	9,250	24,968	362,900	925,000		
18	92% Efficient Furnace	-	-	-	5	-	-	1,000		
19	95% Efficient Furnace	8	2,800	8	60	42	2,800	21,000		
20	95% Efficient Furnace with ECM	-	-	-	60	-	-	24,000		
21	98% Efficient Furnace with ECM	-	-	-	5	-	-	2,250		
22	2.6 MEF Washer	5	250	5	-	5	250	-		
23	Gas Water Heater - Tier 2	1	100	1	5	2	100	500		
24	Solar Assisted Water Heater (domestic)	-	-	-	5	-	-	3,750		
25	Solar Assisted Water Heater (pool)	-	-	-	5	-	-	3,750		
26	Condensing Gas Water Heater	-	-	-	5	-	-	1,750		
27	Hybrid Gas Water Heater	-	-	-	5	-	-	1,750		
28	Boilers Tier 2	1	600	1	5	13	600	3,000		
29	Direct Vent Gas Fireplace	-	-	-	5	-	-	1,000		
30	Smart Thermostat (existing multifamily)	23	2,300	23	60	74	2,300	6,000		
31	Tankless Gas Water Heater (tier 1)	-	-	-	5	-	-	1,500		
32	Tankless Gas Water Heater (tier 2)	-	-	-	5	-	-	1,750		
33	Administrative & Overheads	N/A	161,694	N/A	N/A	N/A	161,694	1,215,000		
34	Total	7,630	\$ 1,716,994	7,630	20,529	72,447	\$ 1,716,994	\$ 6,160,250		

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

Dominion Energy
ThermWise Builder Rebates Program - Utah Programs
As of March 31, 2017

Line #	Program	1st Quarter 2017		Total 2017				
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	Energy Star 3.0	69	\$ 20,700	69	-	1,032	\$ 20,700	\$ -
2	High Performance Homes	3	1,500	3	1,190	75	1,500	-
3	HERS Index 62 or lower (builder)	-	-	-	33	-	-	119,000
4	HERS Index 55 or lower (builder)	-	-	-	16	-	-	6,600
5	HERS Index 48 or lower (builder)	-	-	-	330	-	-	4,800
6	Energy Star 3.0 Bonus (builder)	-	-	-	450	-	-	16,500
7	92% Efficient Furnace	28	5,600	28	450	212	5,600	90,000
8	95% Efficient Furnace with ECM	1,388	485,800	1,388	8,500	12,436	485,800	2,975,000
9	95% Efficient Furnace with ECM	174	69,600	174	500	1,559	69,600	200,000
10	98% Efficient Furnace with ECM	1	450	1	80	10	450	36,000
11	Tier 1 Storage Water Heater	2	100	2	-	3	100	-
12	.67 EF Storage Water Heater	-	-	-	715	-	-	71,500
13	.67 EF Storage Water Heater	133	13,300	133	-	304	13,300	-
14	Tankless Water Heater Tier 1	1	300	1	-	9	300	-
15	Tankless Water Heater	7	2,100	7	80	47	2,100	24,000
16	Tankless Water Heater Tier 2	32	11,200	32	110	274	11,200	38,500
17	Condensing Gas Water Heater	2	700	2	10	14	700	3,500
18	Hybrid Gas Water Heater	-	-	-	5	-	-	1,750
19	Gas Boiler Rebates Paid - Tier 1	1	400	1	9	10	400	3,600
20	Gas Boiler Rebates Paid - Tier 2	10	6,000	10	33	129	6,000	19,800
21	Solar Assisted Water Heater - domestic	-	-	-	5	-	-	3,750
22	Solar Assisted Water Heater - pool	-	-	-	5	-	-	3,750
23	2x6 Walls	506	177,100	506	-	5,181	177,100	-
24	2X6 R-23 Walls	29	4,350	29	650	125	4,350	97,500
25	R-5 Window	125	5,099	125	330	47	5,099	825
26	Smart Thermostat (builder)	30	3,000	30	220	103	3,000	22,000
27	HERS- 10% better than code (builder)	251	50,200	251	-	2,671	50,200	-
28	Energy Star 3.0 - MF	379	75,800	379	-	2,698	75,800	-
29	High Performance Homes - MF	1	300	1	-	10	300	-
30	92% Efficient Furnace - MF	5	1,000	5	1,200	22	1,000	240,000
31	95% Efficient Furnace - MF	633	221,550	633	1,500	3,292	221,550	525,000
32	95% Efficient Furnace with ECM - MF	2	800	2	33	10	800	13,200
33	98% Efficient Furnace with ECM - MF	-	-	-	5	-	-	2,250
34	Tier 1 Storage Water Heater - MF	37	1,850	37	-	51	1,850	-
35	.67 EF Storage Water Heater - MF	281	28,100	281	715	312	28,100	71,500
36	Tankless Water Heater - MF	-	-	-	5	-	-	1,500
37	Tankless Water Heater Tier 2 - MF	114	39,900	114	-	616	39,900	-
38	Hybrid Gas Water Heater - MF	-	-	-	5	-	-	1,750
39	Boilers Tier 1 - MF	-	-	-	5	-	-	2,000
40	Boilers Tier 2 - MF	-	-	-	5	-	-	3,000
41	Solar Assisted Water Heater - domestic MF	-	-	-	5	-	-	3,750
42	Solar Assisted Water Heater - pool MF	-	-	-	5	-	-	3,750
43	2x6 Walls - MF	1,224	183,600	1,224	-	3,917	183,600	-
44	R-5 Window	-	-	-	5	-	-	13
45	Smart Thermostat (new multifamily)	194	19,400	194	5	264	19,400	500
46	HERS- 10% better than code (new multifamily)	544	54,400	544	-	3,503	54,400	-
47	Administrative & Overheads	N/A	122,464	N/A	N/A	N/A	122,464	726,000
48	Total	6,206	\$ 1,606,662	6,206	16,764	38,938	\$ 1,606,662	\$ 5,332,588

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

Dominion Energy
ThermWise Business Rebates Program - Utah Programs
As of March 31, 2017

Line #	Program	1st Quarter 2017			Total 2017		
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs
1	Business Custom	-	\$ -	-	15	-	\$ -
2	92% Efficient Furnace	-	-	-	2	-	\$ 400
3	92% Efficient Furnace	22	7,700	22	150	319	7,700
4	95% Efficient Furnace with ECM	9	3,600	9	75	130	3,600
5	98% Efficient Furnace with ECM NEW 2017	-	-	-	15	-	-
6	Gas Storage Water Heater - Tier 2 <75kBtu .67	-	-	-	5	-	500
7	Gas Storage Water Heater >75kBtu	-	-	-	30	-	18,000
8	Gas Storage Water Heater >75kBtu	1	162	1	1	18	152
9	High Efficiency Gas Water Heater - Tankless <200kBtu	2	796	2	30	56	796
10	High Efficiency Gas Water Heater - Tankless >200kBtu	-	-	-	1	-	1,020
11	Condensing Gas Water Heater NEW 2017	-	-	-	3	-	1,050
12	Hybrid Gas Water Heater	-	-	-	1	-	350
13	Combined Space / Water Heater (business)	-	-	-	1	-	450
14	Commercial Clothes Washer	-	-	-	5	-	375
15	Boiler Reset Control	1	250	1	2	59	250
16	Boiler Tune-up Tier 1	-	-	-	10	-	500
17	Boiler Tune-up Tier 2	1	300	1	-	39	300
18	Boiler Tune-up Tier 2 NEW 2017	-	-	-	50	-	7,500
19	Boiler Tune-up Tier 3	3	1,500	3	-	420	1,500
20	Boiler Tune-up Tier 3 NEW 2017	-	-	-	40	-	10,000
21	Low Flow Pre-rinse Spray Valve	-	-	-	500	-	16,000
22	Smart Thermostat (business)	34	3,400	34	-	272	3,400
23	Smart Thermostat (business) NEW 2017	7	694	7	450	55	694
24	Direct Contact Water Heater	-	-	-	1	-	298
25	High Efficiency Boiler Hot Water Tier 1	-	-	-	15	-	60,000
26	High Efficiency Boiler Hot Water Tier 2	-	-	-	75	-	304,688
27	Boiler Hot Water ≥ 2,500,000 Btu/h (business)	13	75,563	13	-	5,059	75,563
28	Boiler Hot Water ≥ 2,500,000 Btu/h (business) NEW 2017	-	-	-	52	-	507,000
29	High Efficiency Boiler Steam Tier 1	-	-	-	1	-	4,140
30	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business)	1	6,856	1	-	302	6,856
31	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business) NEW 2	-	-	-	1	-	-
32	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	-	-	-	10	-	10,806
33	Gas Unit Heater Non-Condensing	-	-	-	10	-	2,500
34	Gas Unit Heater Condensing	22	26,388	22	5	597	26,388
35	Infrared Heating System	171	127,200	171	524	9,796	127,200
36	Modulating Infrared Heaters (NC or Replacing Non-IR) (business)	-	-	-	1	-	1,088
37	Modulating Infrared Heaters (Replacing Non-IR) (business)	-	-	-	1	-	290
38	Condensing RTU's (business)	-	-	-	1	-	1,875
39	High Efficiency Gas Combo Oven	-	-	-	1	-	1,000
40	Energy Star Gas Commercial Fryer	29	14,500	29	30	937	14,500
41	High Efficiency Gas Convection Oven	-	-	-	10	-	22,500
42	High Efficiency Gas Griddle	-	-	-	5	-	7,500
43	Energy Star Gas Steam Cooker	-	-	-	1	-	1,500
44	Attic Insulation (new construction)	2	3,966	2	-	103	3,966
45	Attic Insulation (retrofit)	44	295,535	44	-	4,581	295,535
46	Attic Insulation (retrofit) NEW 2017	-	-	-	100	-	-
47	Wall Insulation (new construction)	2	791	2	13	791	791
48	Wall Insulation (retrofit)	2	216	2	10	5	216
49	Demand Control Ventilation Systems	-	-	-	10	-	40,000
50	High Efficiency Chattroller	-	-	-	5	-	5,000
51	Conveyor Oven	-	-	-	5	-	5,000
52	Gas Dryer Moisture Sensor	-	-	-	1	-	125
53	Modulating Gas Dryer	-	-	-	1	-	75
54	Solar Assisted Water Heater- Pool- Business	-	-	-	1	-	750
55	Business Custom Rebates	5	4,362	5	-	436	4,362
56	Administrative & Overheads	N/A	43,628	N/A	N/A	N/A	43,628
57	Total	371	617,395	371	2,257	23,198	617,395
							2,906,935

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

Dominion Energy
 ThermWise Home Energy Plan - Utah Programs
 As of March 31, 2017

Line #	Program	1st Quarter 2017		Total 2017						
		Participants**	Actual Costs	Participants	Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	THERMWISE HOME ENERGY PLAN	687	\$ 9,971	687	687	5,458	2,800	13,748	\$ 9,971	\$ 52,265
2	Efficiency Measures	N/A	104,658	N/A	N/A	N/A	N/A	N/A	104,658	708,000
3	Administrative & Overheads	687	\$ 114,629	687	687	5,458	2,800	13,748	\$ 114,629	\$ 760,265
4	Total									

*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.

Dominion Energy
ThermWise Weatherization Rebates Program - Utah Programs
As of March 31, 2017

Line #	Program	1st Quarter 2017		Total 2017				
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	Attic Insulation Tier 1 - .25 per sq. ft	741	\$ 242,732	741	8,000	4,117	\$ 242,732	\$ 2,594,000
2	Attic Insulation Tier 2	466	42,076	466	2,000	625	42,076	189,000
3	Floor Insulation	41	6,904	41	250	188	6,904	39,913
4	Wall Insulation	108	28,312	108	860	400	28,312	221,696
5	R-5 Windows	2,584	98,287	2,584	450	2,195	98,287	17,237
6	Duct Sealing & Insulation	829	257,491	829	2,000	8,940	257,491	1,048,077
7	Air Sealing	11	7,018	11	400	112	7,018	210,698
8	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	964	150,409	964	4,000	2,551	150,409	989,355
9	Attic Insulation (multifamily) Tier 2	366	25,746	366	2,200	383	25,746	148,672
10	Floor Insulation (multifamily)	-	-	-	20	-	-	364
11	Wall Insulation (multifamily)	-	-	-	3	-	-	306
12	Duct Sealing & Insulation (multifamily)	347	78,780	347	5,600	2,221	78,780	973,714
13	Administrative & Overheads	N/A	139,222	N/A	N/A	N/A	139,222	815,000
14	Total	6,457	\$ 1,076,978	6,457	25,783	21,732	\$ 1,076,978	\$ 7,248,031

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

Dominion Energy
Market Transformation - Utah Programs
As of March 31, 2017

Line #	Program	1st Quarter 2017		Total 2017			
		Participants	Actual Costs	Actual Participants	Estimated Participants	Actual Costs	Budget
1	Market Transformation Total	N/A	\$ 231,882	N/A	N/A	\$ 231,882	\$ 1,340,000

Dominion Energy
ThermWise Energy Comparison Report - Utah Programs
As of March 31, 2017

Line #	Program	1st Quarter 2017		Total 2017				Budget
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings	Actual Costs	
1	Energy Comparison Report Total	63,750	\$ 127,823	63,750	255,000	58,013	\$ 127,823	\$ 480,217

Dominion Energy
 Low Income Efficiency Program - Utah Programs
 As of March 31, 2017

Line #	Program	1st Quarter 2017		Total 2017				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	8	\$ 2,800	8	210	164	\$ 2,800	\$ 73,500
2	95% Efficient Furnace with ECM	3	1,200	3	38	62	1,200	15,200
3	98% Efficient Furnace with ECM	-	-	-	4	-	-	1,600
4	Gas Water Heater - Tier 2	1	100	1	38	4	100	3,800
5	Attic Insulation - Tier 1	11	1,381	11	242	29	1,381	76,908
6	Attic Insulation Tier 2	5	55	5	154	1	55	15,013
7	Floor Insulation	-	-	-	62	-	-	13,206
8	Wall Insulation	5	940	5	54	17	940	15,939
9	Duct Sealing & Insulation	-	-	-	70	-	-	30,590
10	Air Sealing	19	8,125	19	280	162	8,125	81,050
11	Tank Less Gas Water Heater - Tier 1 (low inc	-	-	-	5	-	-	1,500
12	Tank Less Gas Water Heater - Tier 2 (low inc	-	-	-	5	-	-	1,750
13	Low Income Furnace Replacement	-	250,000	-	500	-	250,000	500,000
14	Administrative & Overheads	N/A	849	N/A	N/A	N/A	849	29,620
15	Total	52	\$ 265,450	52	1,662	439	\$ 265,450	\$ 859,675