

Dominion Energy Utah
333 South State Street, Salt Lake City, UT 84145
Mailing Address:
P.O. Box 45360, Salt Lake City, UT 84145
DominionEnergy.com



17-057-10

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

September 22, 2017

Subject: Docket No. 16-057-15

Dear Chris:

Attached please find a copy of the Energy Efficiency Report for the quarter ended June 30, 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 black ink, appearing to read "Michael A. Orton", with a long horizontal flourish extending to the right.

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 June 30, 2017**

Line #	Program	2nd Quarter 2017				Total 2017			
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Costs						
1	ThermWise Appliance Rebates	4,001	\$ 1,078,385	11,631	20,529	115,152	\$ 2,795,379	\$ 6,160,250	
2	ThermWise Builder Rebates	3,345	920,255	9,551	16,764	59,525	2,405,253	5,332,588	
3	ThermWise Business Rebates	457	936,526	828	2,257	43,936	1,510,294	2,906,935	
4	ThermWise Home Energy Plan	543	114,407	1,230	2,800	21,242	229,035	760,265	
5	ThermWise Weatherization Rebates	3,916	754,720	10,373	25,783	35,407	1,692,475	7,248,031	
6	Market Transformation	N/A	548,130	N/A	N/A	N/A	780,012	1,340,000	
7	ThermWise Energy Comparison Report	127,500	74,116	127,500	255,000	116,025	201,939	480,217	
8	Low Income Efficiency Program	338	84,187	390	1,662	2,804	348,788	859,675	
9	Programs Total **	12,600	\$ 4,510,727	34,003	69,795	394,091	\$ 9,963,175	\$ 25,087,962	
10	DSM Interest	N/A	(11,606)	N/A	N/A	N/A	(26,579)	N/A	
11	DSM Amortization	N/A	(2,924,249)	N/A	N/A	N/A	(11,851,547)	N/A	
12	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A	
13	2017 TOTAL	12,600	\$ 1,574,871	34,003	69,795	394,091	\$ (1,914,951)	\$ 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 June 30, 2017**

Line#	Program	2nd Quarter 2017			Total 2017						
		Actual		Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget		
		Participants	Participants								
1	92% Efficient Furnace	12	\$	2,400	24	61	319	\$	4,800	\$	12,200
2	95% Efficient Furnace	505		176,750	1,450	3,364	23,780		507,500		1,177,400
3	95% Efficient Furnace with ECM	906		362,400	2,225	4,794	36,490		890,000		1,917,600
4	98% Efficient Furnace with ECM	190		85,500	440	700	7,674		198,000		315,000
5	2.7 IMEF Washer	56		2,800	832	-	812		41,600		-
6	Gas Water Heater - Tier 2	102		10,200	254	761	581		25,400		76,100
7	Condensing Gas Water Heater	15		5,250	36	70	250		12,600		24,500
8	Hybrid Gas Water Heater	4		1,400	11	10	76		3,850		3,500
9	Boilers Tier 1	2		800	8	40	120		3,200		16,000
10	Boilers Tier 2	26		15,600	63	81	1,270		37,800		48,600
11	Solar Assisted Water Heater (domestic)	-		-	2	7	28		1,500		5,250
12	Solar Assisted Water Heater (pool)	2		1,500	3	7	165		2,250		5,250
13	Tankless Gas Water Heater (tier 2)	-		-	1	-	8		350		-
14	Tankless Gas Water Heater (tier 1)	8		2,400	19	73	130		5,700		21,900
15	Tankless Gas Water Heater (tier 2)	182		63,700	410	725	3,073		143,500		253,750
16	Direct Vent Gas Fireplace	107		21,400	302	351	2,609		60,400		70,200
17	Smart Thermostat (appliance)	1,814		181,400	5,443	9,250	37,448		544,300		925,000
18	92% Efficient Furnace	-		-	-	5	-		-		1,000
19	95% Efficient Furnace	4		1,400	12	60	62		4,200		21,000
20	95% Efficient Furnace with ECM	-		-	-	60	-		-		24,000
21	98% Efficient Furnace with ECM	-		-	-	5	-		-		2,250
22	2.6 IMEF Washer	-		-	5	-	5		250		-
23	Gas Water Heater - Tier 2	55		5,500	56	5	128		5,600		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	5	13		600		3,000
29	Direct Vent Gas Fireplace	-		-	-	5	-		-		1,000
30	Smart Thermostat (existing multifamily)	10		1,000	33	60	106		3,300		6,000
31	Tankless Gas Water Heater (tier 1)	-		-	-	5	-		-		1,500
32	Tankless Gas Water Heater (tier 2)	1		350	1	5	5		350		1,750
33	Administrative & Overheads	N/A		136,635	N/A	N/A	N/A		298,329		1,215,000
34	Total	4,001	\$	1,078,385	11,631	20,529	115,152	\$	2,795,379	\$	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 June 30, 2017

Line #	Program	2nd Quarter 2017		Total 2017					Budget
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs		
1	Energy Star 3.0	61	\$ 18,300	130	-	1,945	\$ 39,000	\$ -	
2	High Performance Homes	2	1,000	5	-	125	-	119,000	
3	HERS Index 62 or lower (builder)	-	-	-	1,190	-	-	-	
4	HERS Index 55 or lower (builder)	-	-	-	33	-	-	6,600	
5	HERS Index 48 or lower (builder)	-	-	-	16	-	-	4,800	
6	Energy Star 3.0 Bonus (builder)	-	-	-	330	-	-	16,500	
7	92% Efficient Furnace	15	3,000	43	450	326	8,600	90,000	
8	95% Efficient Furnace	800	280,000	2,188	8,500	19,604	765,800	2,975,000	
9	95% Efficient Furnace with ECM	175	70,000	349	500	3,127	139,600	200,000	
10	98% Efficient Furnace with ECM	-	-	1	80	10	450	36,000	
11	Tier 1 Storage Water Heater	1	50	3	-	4	150	-	
12	.67 EF Storage Water Heater	-	-	-	715	-	-	71,500	
13	.67 EF Storage Water Heater	134	13,400	267	-	611	26,700	-	
14	Tankless Water Heater Tier 1	-	-	1	-	9	300	-	
15	Tankless Water Heater	-	-	7	80	47	2,100	24,000	
16	Tankless Water Heater Tier 2	18	6,300	50	110	428	17,500	38,500	
17	Condensing Gas Water Heater	-	-	2	10	14	700	3,500	
18	Hybrid Gas Water Heater	-	-	-	5	-	-	1,750	
19	Gas Boiler Rebates Paid - Tier 1	-	-	1	9	10	400	3,600	
20	Gas Boiler Rebates Paid - Tier 2	6	3,600	16	33	206	9,600	19,800	
21	Solar Assisted Water Heater - domestic	-	-	-	5	-	-	3,750	
22	Solar Assisted Water Heater - pool	-	-	-	5	-	-	3,750	
23	2x6 Walls	224	78,400	730	-	7,475	255,500	-	
24	2X6 R-23 Walls	126	18,900	155	650	670	23,250	97,500	
25	R-5 Window	236	8,204	361	330	123	13,303	825	
26	Smart Thermostat (builder)	20	2,000	50	220	172	5,000	22,000	
27	HERS- 10% better than code (builder)	163	32,600	414	-	4,405	82,800	-	
28	Energy Star 3.0 - MF	120	24,000	499	-	3,553	99,800	-	
29	High Performance Homes - MF	-	-	1	-	10	300	-	
30	92% Efficient Furnace - MF	45	9,000	50	1,200	224	10,000	240,000	
31	95% Efficient Furnace - MF	598	209,300	1,231	1,500	6,401	430,850	525,000	
32	95% Efficient Furnace with ECM - MF	-	-	2	33	10	800	13,200	
33	98% Efficient Furnace with ECM - MF	-	-	-	5	-	-	2,250	
34	Tier 1 Storage Water Heater - MF	69	3,450	106	-	145	5,300	-	
35	.67 EF Storage Water Heater - MF	120	12,000	401	715	446	40,100	71,500	
36	Tankless Water Heater - MF	-	-	-	5	-	-	1,500	
37	Tankless Water Heater Tier 2 - MF	16	5,600	130	-	702	45,500	-	
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	229	34,350	1,453	-	4,650	217,950	-	
44	R-5 Window	26	1,020	26	5	7	1,020	13	
45	Smart Thermostat (new multifamily)	120	12,000	314	5	427	31,400	500	
46	HERS- 10% better than code (new multifamily)	21	2,100	565	-	3,639	56,500	-	
47	Administrative & Overheads	N/A	71,681	N/A	N/A	N/A	72,480	726,000	
48	Total	3,345	\$ 920,253	9,551	16,764	59,525	\$ 2,405,253	\$ 5,332,588	

*Savings reflects 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 June 30, 2017

Line #	Program	2nd Quarter 2017			Total 2017			Budget
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	
1	Business Custom	-	\$ -	-	15	-	\$ -	60,000
2	92% Efficient Furnace	1	200	1	2	13	200	400
3	95% Efficient Furnace	118	41,300	140	150	2,027	49,000	52,500
4	95% Efficient Furnace with ECM NEW 2017	38	15,200	47	75	681	18,800	30,000
5	98% Efficient Furnace with ECM NEW 2017	-	-	-	15	-	-	6,750
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	5	1,700	6	-	215	1,852	-
9	High Efficiency Gas Water Heater - Tankless <200kBTU	1	-	3	30	56	796	12,000
10	High Efficiency Gas Water Heater - Tankless >200kBTU	5	8,000	5	1	564	8,000	1,020
11	Condensing Gas Water Heater NEW 2017	-	-	-	3	-	-	1,050
12	Hybrid Gas Water Heater	2	700	2	1	16	700	360
13	Combined Space / Water Heater (business)	-	-	-	1	-	-	450
14	Commercial Clothes Washer	-	-	-	5	-	-	375
15	Boiler Reset Control	5	1,250	6	2	356	1,500	500
16	Boiler Tune-up Tier 1	1	100	1	10	8	100	1,000
17	Boiler Tune-up Tier 2	-	-	-	-	39	300	-
18	Boiler Tune-up Tier 2 NEW 2017	-	-	-	50	-	-	7,500
19	Boiler Tune-up Tier 3	1	250	4	-	490	1,750	-
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)	8	800	42	-	336	4,200	-
23	Smart Thermostat (business) NEW 2017	9	900	16	450	127	1,594	31,500
24	Direct Contact Water Heater	-	-	-	1	-	-	298
25	High Efficiency Boiler Hot Water Tier 1	1	598	1	15	43	598	60,000
26	High Efficiency Boiler Hot Water Tier 2	5	18,844	5	75	1,574	18,844	304,688
27	Boiler Hot Water ≥ 2,500,000 Btu/h (business)	11	74,718	24	-	10,062	150,280	-
28	Boiler Hot Water ≥ 2,500,000 Btu/h (business) NEW 2017	-	-	-	52	-	-	507,000
29	High Efficiency Boiler Steam Tier 1	1	9,640	1	1	693	9,640	4,140
30	Boiler Steam (Exceed Natural Draft) ≥ 300,000 Btu/h (business)	-	-	1	-	302	6,856	-
31	Boiler Steam (Exceed Natural Draft) ≥ 300,000 Btu/h (business) NEW 2	-	-	-	1	-	-	10,805
32	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	-	-	-	-	-	-	2,500
33	Gas Unit Heater NonCondensing	5	1,563	5	10	55	1,563	8,100
34	Gas Unit Heater Condensing	14	21,560	38	5	1,087	48,048	8,100
35	Infrared Heating System	162	96,625	333	524	17,238	223,825	393,000
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 RTUs (business)	-	-	-	1	-	-	1,875
39	High Efficiency Gas Combo Oven	5	5,000	5	1	161	5,000	1,000
40	Energy Star Gas Commercial Fryer	6	3,000	35	30	1,131	17,500	22,500
41	High Efficiency Gas Convection Oven	8	4,000	8	10	103	4,000	7,500
42	High Efficiency Gas Griddle	-	-	-	5	-	-	1,500
43	Energy Star Gas Steam Cooker	1	1,000	1	1	28	1,000	1,000
44	Attic Insulation (new construction)	4	1,308	6	-	137	5,273	-
45	Attic Insulation (retrofit)	30	76,968	74	-	5,774	372,504	-
46	Attic Insulation (retrofit) NEW 2017	4	4,505	4	100	140	4,505	112,000
47	Wall Insulation (new construction)	4	759	6	-	25	1,550	-
48	Wall Insulation (retrofit)	2	571	4	10	19	787	12,000
49	Demand Control Ventilation Systems	-	-	-	10	-	-	40,000
50	High Efficiency Charbroiler	-	-	-	5	-	-	5,000
51	Conveyor Oven	-	-	-	5	-	-	5,000
52	Gas Drier Moisture Sensor	-	-	-	5	-	-	125
53	Modulating Gas Dryer	-	-	-	1	-	-	75
54	Solar Assisted Water Heater-Pool-Business	-	-	-	1	-	-	750
55	Business Custom Rebates	-	-	5	-	436	4,362	-
56	Administrative & Overheads	N/A	545,369	N/A	N/A	N/A	545,369	1,144,000
57	Total	457	\$ 936,526	828	2,257	43,936	\$ 1,510,294	\$ 2,906,935

*Savings reflects the net Dth delivered savings based on actual participants with an 60% net-to-gross ratio applied.

Dominion Energy
 ThermWise Home Energy Plan - Utah Programs
 As of June 30, 2017

Line #	Program	2nd Quarter 2017		Total 2017						
		Participants**	Actual Costs	Participants**	Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	THERMWISE HOME ENERGY PLAN	543	\$ 12,314		1,230	9,916	2,800	21,242	\$ 22,285	\$ 52,265
2	Efficiency Measures	N/A	102,093		N/A	N/A	N/A	N/A	206,751	708,000
3	Administrative & Overheads									
4	Total	543	\$ 114,407		1,230	9,916	2,800	21,242	\$ 229,035	\$ 760,265

*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 June 30, 2017

Line #	Program	2nd Quarter 2017		Total 2017				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Attic Insulation Tier 1 - .25 per sq. ft	558	\$ 185,319	1,299	8,000	7,260	\$ 428,052	\$ 2,594,000
2	Attic Insulation Tier 2	402	35,756	868	2,000	1,156	77,833	189,000
3	Floor Insulation	53	9,691	94	250	451	16,596	39,913
4	Wall Insulation	210	64,295	318	860	1,309	92,607	221,696
5	R-5 Windows	1,661	62,578	4,245	450	3,593	160,866	17,237
6	Duct Sealing & Insulation	584	181,481	1,413	2,000	15,238	438,971	1,048,077
7	Air Sealing	43	23,843	54	400	494	30,861.24	210,698
8	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	187	26,686	1,151	4,000	3,004	177,095	989,355
9	Attic Insulation (multifamily) Tier 2	48	2,914	414	2,200	426	28,659	148,672
10	Floor Insulation (multifamily)	-	-	-	20	-	-	364
11	Wall Insulation (multifamily)	-	-	-	3	-	-	306
12	R-5 Windows (multifamily)	144	4,015	144	-	90	4,015	-
13	Duct Sealing & Insulation (multifamily)	26	5,330	373	5,600	2,387	84,110	973,714
14	Administrative & Overheads	N/A	152,810	N/A	N/A	N/A	152,810	815,000
15	Total	3,916	\$ 754,720	10,373	25,783	35,407	\$ 1,692,475	\$ 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 June 30, 2017

Line #	Program	2nd Quarter 2017		Total 2017			Budget
		Participants	Actual Costs	Estimated Participants	Actual Participants	Actual Costs	
1	Market Transformation Total	N/A	\$ 548,130	N/A	N/A	\$ 780,012	\$ 1,340,000

Dominion Energy
ThermWise Energy Comparison Report - Utah Programs
As of June 30, 2017

Line #	Program	2nd Quarter 2017		Total 2017				Budget
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings	Actual Costs	
1	Energy Comparison Report Total	127,500	\$ 74,116	127,500	255,000	116,025	\$ 201,939	\$ 480,217

Dominion Energy
 Low Income Efficiency Program - Utah Programs
 As of June 30, 2017

Line #	Program	2nd Quarter 2017		Total 2017				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	36	\$ 12,600	44	210	902	\$ 15,400	\$ 73,500
2	95% Efficient Furnace with ECM	13	5,200	16	38	328	6,400	15,200
3	98% Efficient Furnace with ECM	1	450	1	4	22	450	1,600
4	Gas Water Heater - Tier 2	2	200	3	38	12	300	3,800
5	Attic Insulation - Tier 1	99	16,490	110	242	379	17,871	76,908
6	Attic Insulation Tier 2	43	658	48	154	13	713	15,013
7	Floor Insulation	16	2,215	16	62	75	2,215	13,206
8	Wall Insulation	34	6,443	39	54	130	7,383	15,939
9	Duct Sealing & Insulation	-	-	-	70	-	-	30,590
10	Air Sealing	94	39,010	113	280	943	47,135	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	-	-	-	500	-	250,000	500,000
14	Administrative & Overheads	N/A	922	N/A	N/A	N/A	922	29,620
15	Total	338	\$ 84,187	390	1,662	2,804	\$ 348,788	\$ 859,675