

Dominion Energy Utah
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DominionEnergy.com



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

July 31, 2019

Subject: Docket No. 19-057-07 and 18-057-20

Dear Chris:

Attached please find copies of the Energy Efficiency Report for the first quarter ending March 31, 2019. This report was designed and prepared based on recommendations from the DPU and Dominion Energy for the purpose of providing information on Dominion Energy's 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".

Michael A. Orton
Manager, Energy Efficiency

cc: Brenda Salter, DPU
Public Service Commission
Office of Consumer Services

Dominion Energy
Energy Efficiency Report - Utah Programs
As of March 31, 2019

Line #	Program	1st Quarter 2019		Total 2019					
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Costs						
1	ThermWise Appliance Rebates	5,906	\$ 1,300,409	5,906	28,495	47,118	\$ 1,300,409	\$ 5,914,668	
2	ThermWise Builder Rebates	5,773	482,577	5,773	17,495	33,693	482,577	4,748,713	
3	ThermWise Business Rebates	694	576,658	694	1,911	27,439	576,658	3,619,448	
4	ThermWise Home Energy Plan	664	82,987	664	2,800	8,273	82,987	685,265	
5	ThermWise Weatherization Rebates	7,402	2,146,044	7,402	36,370	32,809	2,146,044	7,781,388	
6	Market Transformation	N/A	446,553	N/A	N/A	N/A	446,553	1,320,000	
7	ThermWise Energy Comparison Report	56,100	206,032	56,100	224,400	90,882	206,032	570,000	
8	Low Income Efficiency Program	278	312,973	278	2,425	1,444	312,973	868,950	
9	Programs Total **	20,717	\$ 5,554,232	20,717	89,496	241,658	\$ 5,554,232	\$ 25,508,431	
10	DSM Interest	N/A	(28,705)	N/A	N/A	N/A	(28,705)	N/A	
11	DSM Amortization	N/A	(12,445,448)	N/A	N/A	N/A	(12,445,448)	N/A	
12	DSM Accruals ***	N/A	721,500	N/A	N/A	N/A	721,500	N/A	
13	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A	
14	2019 TOTAL	20,717	\$ (6,198,421)	20,717	89,496	241,658	\$ (6,198,421)	\$ 25,508,431	

*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.

*** Accruals made during the period are shown only for the purpose of reconciling ending account balance.

Dominion Energy
ThermWise Appliance Rebate Program - Utah Programs
As of March 31, 2019

Line#	Program	1st Quarter 2019			Total 2019						
		Actual		Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget		
		Participants	9								
1	92% Efficient Furnace	9	\$	1,800	9	-	70	\$	1,800	\$	-
2	95% Efficient Furnace	737		221,100	737	6,300	6,940		221,100		1,890,000
3	95% Efficient Furnace with ECM	1,440		504,000	1,440	2,700	13,559		504,000		945,000
4	98% Efficient Furnace with ECM	218		87,200	218	600	2,415		87,200		240,000
5	Gas Water Heater - Tier 2	232		23,200	232	700	531		23,200		70,000
6	Condensing Gas Water Heater	30		10,500	30	110	208		10,500		38,500
7	Hybrid Gas Water Heater	8		2,800	8	30	56		2,800		10,500
8	Boilers Tier 1	4		1,600	4	8	60		1,600		3,200
9	Boilers Tier 2	28		16,800	28	180	564		16,800		108,000
10	Solar Assisted Water Heater (domestic)	1		750	1	7	14		750		5,250
11	Solar Assisted Water Heater (pool)	-		-	-	10	-		-		7,500
12	Tankless Gas Water Heater (tier 2)	305		103,300	305	850	2,286		103,300		255,000
13	Direct Vent Gas Fireplace	258		51,600	258	600	2,229		51,600		120,000
14	Smart Thermostat (appliance)	2,625		131,300	2,625	15,000	18,060		131,300		750,000
15	Boiler Reset Control (appliance)	2		200	2	5	9		200		500
16	Combined Space and Hot Water (appliance)	7		5,250	7	-	106		5,250		-
17	95% Efficient Furnace	1		300	1	1,000	7		300		300,000
18	95% Efficient Furnace with ECM	-		-	-	100	-		-		35,000
19	98% Efficient Furnace with ECM	-		-	-	5	-		-		2,000
20	Gas Water Heater - Tier 2	-		-	-	80	-		-		8,000
21	Solar Assisted Water Heater (pool)	-		-	-	1	-		-		750
22	Boilers Tier 1	-		-	-	1	-		-		400
23	Boilers Tier 2	-		-	-	1	-		-		600
24	Direct Vent Gas Fireplace	1		200	1	1	3		200		200
25	Smart Thermostat (existing multifamily)	-		-	-	200	-		-		10,000
26	Combined Space and Hot Water (existing r	-		-	-	5	-		-		3,750
27	Tankless Gas Water Heater (tier 2)	-		-	-	1	-		-		300
28	Administrative & Overheads	N/A		138,509	N/A	N/A	N/A		138,509		1,110,218
29	Total	5,906	\$	1,300,409	5,906	28,495	47,118	\$	1,300,409	\$	5,914,668

*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, 2019

Line #	Program	1st Quarter 2019			Total 2019				
		Actual			Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs	Participants					
1	HERS Index 62 or lower (builder)	322	\$ 32,200	322	1,600	1,340	\$ 32,200	\$ 160,000	
2	HERS Index 55 or lower (builder)	202	40,400	202	600	1,681	40,400	120,000	
3	HERS Index 48 or lower (builder)	18	5,400	18	10	225	5,400	3,000	
4	Energy Star 3.0 Bonus (builder)	184	9,200	184	600	409	9,200	30,000	
5	92% Efficient Furnace	9	1,800	9	-	58	1,800	-	
6	95% Efficient Furnace	2,187	656,200	2,187	8,500	17,725	656,200	2,550,000	
7	95% Efficient Furnace with ECM	251	87,850	251	1,000	2,034	87,850	350,000	
8	98% Efficient Furnace with ECM	3	1,200	3	20	29	1,200	8,000	
9	.67 EF Storage Water Heater	334	33,400	334	515	764	33,400	51,500	
10	Tankless Water Heater Tier 2	104	36,400	104	110	890	36,400	33,000	
11	Condensing Gas Water Heater	12	4,200	12	10	83	4,200	3,500	
12	Hybrid Gas Water Heater	-	-	-	5	-	-	1,750	
13	Gas Boiler Rebates Paid - Tier 1	-	-	-	9	-	-	3,600	
14	Gas Boiler Rebates Paid - Tier 2	6	3,600	6	33	77	3,600	19,800	
15	Solar Assisted Water Heater - domestic	-	-	-	5	-	-	3,750	
16	Solar Assisted Water Heater - pool	-	-	-	5	-	-	3,750	
17	2X6 R-23 Walls	1,005	150,750	1,005	1,200	4,342	150,750	180,000	
18	R-5 Window	-	-	-	200	-	-	500	
19	Smart Thermostat (builder)	56	2,900	56	450	193	2,900	22,500	
20	Combined Space and Hot Water (builder)	-	-	-	5	-	-	3,750	
21	HERS Index 62 or lower - MF	235	11,750	235	10	432	11,750	500	
22	HERS Index 55 or lower - MF	9	900	9	-	33	900	-	
23	HERS Index 48 or lower - MF	2	300	2	-	11	300	-	
24	95% Efficient Furnace - MF	503	164,200	503	1,500	2,824	164,200	450,000	
25	95% Efficient Furnace with ECM - MF	10	3,600	10	33	61	3,500	11,550	
26	98% Efficient Furnace with ECM - MF	2	800	2	5	15	800	2,000	
27	.67 EF Storage Water Heater - MF	30	3,000	30	715	33	3,000	71,500	
28	Tankless Water Heater Tier 2 - MF	10	3,500	10	5	54	3,500	1,500	
29	Hybrid Gas Water Heater - MF	-	-	-	5	-	-	1,750	
30	Boilers Tier 1 - MF	-	-	-	5	-	-	2,000	
31	Boilers Tier 2 - MF	-	-	-	5	-	-	3,000	
32	Solar Assisted Water Heater - domestic MF	-	-	-	5	-	-	3,750	
33	Solar Assisted Water Heater - pool MF	-	-	-	5	-	-	3,750	
34	R-5 Window	-	-	-	5	-	-	13	
35	Smart Thermostat (new multifamily)	279	27,150	279	5	379	27,150	250	
36	Combined Space and Hot Water (new multifamily)	-	-	-	15	-	-	11,250	
37	Energy Star Highrise (new multifamily)	-	-	-	300	-	-	7,500	
38	Incentive Accrual	-	(885,000)	-	-	-	(885,000)	-	
39	Administrative & Overheads	N/A	86,977	N/A	N/A	N/A	86,977	630,000	
40	Total	5,773	\$ 482,577	5,773	17,495	33,693	\$ 482,577	\$ 4,748,713	

*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 March 31, 2019

Line #	Program	1st Quarter 2019		Total 2019				
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	Business Custom	-	-	-	20	-	-	80,000
2	95% Efficient Furnace	212	63,600	212	500	1,996	63,600	150,000
3	95% Efficient Furnace with ECM	43	15,050	43	200	405	15,050	70,000
4	98% Efficient Furnace with ECM	1	400	1	10	11	400	4,000
5	Gas Storage Water Heater - Tier 2 <75kBtu .67	3	300	3	5	7	300	500
6	Gas Storage Water Heater >75kBtu	59	52,238	59	50	6,060	52,238	30,000
7	High Efficiency Gas Water Heater - Tankless <200kBtu	14	10,800	14	5	762	10,800	2,000
8	High Efficiency Gas Water Heater - Tankless >200kBtu	4	2,398	4	25	169	2,398	25,500
9	Condensing Gas Water Heater	1	350	1	3	8	350	1,050
10	Hybrid Gas Water Heater	-	-	-	5	-	-	1,750
11	Combined Space / Water Heater (business)	-	-	-	1	-	-	2,250
12	Commercial Clothes Washer	3	225	3	5	6	225	75
13	Boiler Reset Control	-	-	-	30	-	-	7,500
14	Boiler Tune-up Tier 1	-	-	-	25	-	-	2,500
15	Boiler Tune-up Tier 2	-	-	-	25	-	-	5,000
16	Boiler Tune-up Tier 3	15	3,750	15	50	1,050	3,750	15,000
17	Low Flow Pre-rinse Spray Valve	-	-	-	25	-	-	800
18	Smart Thermostat (business)	126	10,575	126	200	846	10,575	14,000
19	Direct Contact Water Heater	-	-	-	1	-	-	298
20	Direct Fired Heater	-	-	-	75	-	-	90,000
21	High Efficiency Boiler Hot Water Tier 1	7	16,736	7	25	1,202	16,736	100,000
22	High Efficiency Boiler Hot Water Tier 2	36	193,525	36	75	9,527	193,525	304,688
23	Boiler Hot Water ≥ 2,500,000 Btu/h (business)	-	-	-	115	-	-	1,121,250
24	High Efficiency Boiler Steam Tier 1	-	-	-	1	-	-	4,140
25	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business)	-	-	-	2	-	-	21,612
26	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	4	20,456	4	10	382	20,456	106,060
27	Gas Unit Heater Non-Condensing	-	-	-	10	-	-	16,200
28	Gas Unit Heater Condensing	-	-	-	10	-	-	2,500
29	Infrared Heating System	-	-	-	50	-	-	37,500
30	Modulating Infrared Heaters (NC or Replacing Non-IR) (business)	13	16,200	13	40	950	16,200	43,300
31	Modulating Infrared Heaters (Replacing Non-IR) (business)	32	16,675	32	20	467	16,675	5,800
32	Condensing RTUs (business)	-	-	-	1	-	-	1,875
33	High Efficiency Gas Combo Oven	10	10,000	10	8	322	10,000	8,000
34	High Efficiency Gas Combo Oven (Used)	-	-	-	8	-	-	4,000
35	Energy Star Gas Commercial Fryer	11	5,500	11	25	356	5,500	18,750
36	Energy Star Gas Commercial Fryer (Used)	-	-	-	15	-	-	5,625
37	High Efficiency Gas Convection Oven	12	6,000	12	25	155	6,000	18,750
38	High Efficiency Gas Convection Oven (Used)	-	-	-	15	-	-	5,625
39	High Efficiency Gas Griddle	-	-	-	5	-	-	1,500
40	High Efficiency Gas Griddle (Used)	-	-	-	5	-	-	750
41	Energy Star Gas Steam Cooker	2	2,000	2	2	141	2,000	2,000
42	Energy Star Gas Steam Cooker (Used)	-	-	-	2	-	-	1,000
43	Attic Insulation (retrofit) NEW 2018	-	-	-	50	-	-	56,000
44	Wall Insulation (retrofit)	-	-	-	5	-	-	6,000
45	Demand Control Ventilation Systems	1	6,100	1	50	166	6,100	20,000
46	Demand Control Ventilation Systems (DCV) Packaged (no BMS)	85	34,000	85	5	1,850	34,000	5,000
47	Pipe Insulation (Hot Water)	-	-	-	10	-	-	750
48	Pipe Insulation (Steam)	-	-	-	5	-	-	1,000
49	High Efficiency Charbroiler	-	-	-	5	-	-	5,000
50	High Efficiency Charbroiler (Used)	-	-	-	2	-	-	2,500
51	Conveyor Oven	-	-	-	2	-	-	1,000
52	Conveyor Oven (Used)	-	-	-	1	-	-	25
53	Gas Dryer Moisture Sensor	-	-	-	1	-	-	75
54	Modulating Gas Dryer	-	-	-	1	-	-	750
55	Solar Assisted Water Heater - Pool- Business	-	-	-	40	-	-	4,000
56	Prescriptive ERV	-	-	-	N/A	-	-	1,800,000
57	Administrative & Overheads	694	88,790	694	N/A	N/A	88,790	89,780
58	Total	694	576,658	694	1,911	27,439	576,658	3,619,448

*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, 2019

Line #	Program	1st Quarter 2019		Total 2019						
		Participants**	Actual Costs	Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget	
1	THERMWISE HOME ENERGY PLAN									
2	Efficiency Measures	664	\$ 3,311	664	3,517	2,800	8,273	\$ 3,311	\$ 52,265	
3	Administrative & Overheads	N/A	79,676	N/A	N/A	N/A	N/A	79,676	633,000	
4	Total	664	\$ 82,987	664	3,517	2,800	8,273	\$ 82,987	\$ 685,265	

*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 March 31, 2019

Line #	Program	1st Quarter 2019		Total 2019					
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Costs						
1	Attic Insulation Tier 1 - .25 per sq. ft	3,274	\$ 610,615	3,274	9,000	10,356	\$ 610,615	\$ 3,150,000	
2	Attic Insulation Tier 2	1,310	75,575	1,310	2,500	1,123	75,575	245,000	
3	Floor Insulation	42	6,910	42	200	188	6,910	32,800	
4	Wall Insulation	161	45,713	161	600	646	45,713	154,800	
5	R-5 Windows	327	157,906	327	12,000	3,527	157,906	450,000	
6	Duct Sealing & Insulation	59	18,679	59	800	636	18,679	335,385	
7	Air Sealing	2,229	1,020,819	2,229	2,000	16,333	1,020,819	861,840	
8	Pipe Insulation (weatherization)	-	-	-	800	-	-	2,000	
9	ICAST pilot	-	-	-	1,000	-	-	450,000	
10	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	-	-	-	4,000	-	-	989,355	
11	Attic Insulation (multifamily) Tier 2	-	-	-	2,200	-	-	148,672	
12	Floor Insulation (multifamily)	-	-	-	20	-	-	364	
13	Wall Insulation (multifamily)	-	-	-	10	-	-	1,020	
14	R-5 Windows (multifamily)	-	-	-	40	-	-	1,500	
15	Duct Sealing & Insulation (multifamily)	-	-	-	1,200	-	-	208,653	
16	Administrative & Overheads	N/A	209,828	N/A	N/A	N/A	209,828	750,000	
17	Total	7,402	\$ 2,146,044	7,402	36,370	32,809	\$ 2,146,044	\$ 7,781,388	

*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, 2019

Line #	Program	1st Quarter 2019		Total 2019			
		Participants	Actual Costs	Actual Participants	Estimated Participants	Actual Costs	Budget
1	Market Transformation Total	N/A	\$ 446,553	N/A	N/A	\$ 446,553	\$ 1,320,000

Dominion Energy
ThermWise Energy Comparison Report - Utah Programs
As of March 31, 2019

Line #	Program	1st Quarter 2019		Total 2019				
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
1	Energy Comparison Report Total	56,100	\$ 206,032	56,100	224,400	90,882	\$ 206,032	\$ 570,000

Dominion Energy
 Low Income Efficiency Program - Utah Programs
 As of March 31, 2019

Line #	Program	1st Quarter 2019		Total 2019					
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget	
		Participants	Costs						
1	95% Efficient Furnace	5	\$ 1,500	5	300	59	\$ 1,500	\$ 90,000	
2	95% Efficient Furnace with ECM	33	11,550	33	20	388	11,550	7,000	
3	98% Efficient Furnace with ECM	1	400	1	4	14	400	1,600	
4	Gas Water Heater - Tier 2	5	500	5	38	20	500	3,800	
5	Attic Insulation - Tier 1	88	13,548	88	220	287	13,548	67,760	
6	Attic Insulation - Tier 2	44	678	44	120	13	678	9,240	
7	Floor Insulation	6	653	6	48	22	653	10,224	
8	Wall Insulation	27	5,580	27	40	99	5,580	11,802	
9	Duct Sealing & Insulation	-	-	-	50	-	-	20,962	
10	Air Sealing	66	25,837	66	280	517	25,837	81,050	
11	Tank Less Gas Water Heater - Tier 2 (low income)	-	-	-	5	-	-	1,750	
12	Smart Thermostat (low income)	3	150	3	700	26	150	35,000	
13	Low Income Furnace Replacement	-	250,000	-	600	-	250,000	500,000	
14	Administrative & Overheads	N/A	2,578	N/A	N/A	N/A	2,578	28,763	
15	Total	278	\$ 312,973	278	2,425	1,444	\$ 312,973	\$ 868,950	