

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

March 27, 2020

Subject: Docket No. 20-057-01 and 18-057-20

Dear Chris:

Attached please find copies of the Energy Efficiency Report for the year ending December 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.

Spending for the 2019 program year totaled \$23.6 million or 92% of the \$25.4 million Commission approved ThermWise® budget. Actual expenditures in the Appliance, Business, Home Energy Plan, Energy Comparison Report, and Low-Income Efficiency programs were lower than budget due to lower than expected participation. The Market Transformation expenditures were also lower than expected (65% of budget) in 2019 due to lower than forecasted Habitat for Humanity expenditures. In November, the Company recognized that expenditures for the Builder and Weatherization programs surpassed 90% of budget for January thru October of 2019. The Builder program had expenditures of \$6.12 million which totaled 128% of the 2019 budget. The Weatherization program had expenditures of \$8.18 million or 105% of the 2019 budget. In total, rebate dollars accounted for nearly 82% of total ThermWise® spending in 2019 (74% in 2019 budget) and resulted in annual natural gas savings* of 960,178 decatherms.

If you have any questions, or if we can provide additional information, please contact me.

Sincerely,

Michael A. Orton TSW

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 December 31, 2019**

Line #	Program	4th Quarter 2019		Total 2019					
		Actual		Actual	Estimated	Dth	Actual	Budget	
		Participants	Costs	Participants	Participants	Savings*	Costs		
1	ThermWise Appliance Rebates	3,122	\$ 875,065	16,367	28,495	132,954	\$ 4,181,678	\$ 5,914,668	
2	ThermWise Builder Rebates	7,950	1,858,516	30,486	17,495	173,390	6,120,422	4,748,713	
3	ThermWise Business Rebates	573	1,098,210	2,217	1,911	108,589	2,674,073	3,619,448	
4	ThermWise Home Energy Plan	590	91,517	2,337	2,800	33,970	402,747	685,265	
5	ThermWise Weatherization Rebates	5,985	1,821,013	26,786	36,370	135,079	8,183,650	7,781,388	
6	Market Transformation	N/A	(195,262)	N/A	N/A	N/A	852,478	1,320,000	
7	ThermWise Energy Comparison Report	56,100	17,036	224,400	224,400	363,528	452,026	570,000	
8	Low Income Efficiency Program	495	33,127	1,225	2,425	12,667	713,724	868,950	
9	Programs Total **	18,715	\$ 5,599,222	79,418	89,496	960,178	\$ 23,580,797	\$ 25,508,431	
10	DSM Interest	N/A	20,061	N/A	N/A	N/A	(20,771)	N/A	
11	DSM Amortization	N/A	(9,703,032)	N/A	N/A	N/A	(27,994,304)	N/A	
12	DSM Accruals ***	N/A	1,197,077	N/A	N/A	N/A	1,533,786	N/A	
13	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A	
14	2019 TOTAL	18,715	\$ (2,886,672)	79,418	89,496	960,178	\$ (2,900,492)	\$ 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 December 31, 2019

Line#	Program	4th Quarter 2019		Total 2019					
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
1	92% Efficient Furnace	-	\$ -	13	-	101	\$ 2,600	-	
2	95% Efficient Furnace	343	102,900	2,002	6,300	18,858	600,650	1,890,000	
3	95% Efficient Furnace with ECM	1,088	380,800	4,667	2,700	43,958	1,633,550	945,000	
4	98% Efficient Furnace with ECM	167	66,800	744	600	8,244	297,600	240,000	
5	Gas Water Heater - Tier 2	89	8,900	598	700	1,368	59,800	70,000	
6	Condensing Gas Water Heater	13	4,550	91	110	632	31,850	38,500	
7	Hybrid Gas Water Heater	3	1,050	22	30	153	7,700	10,500	
8	Boilers Tier 1	1	400	12	8	180	4,800	3,200	
9	Boilers Tier 2	16	9,600	82	180	1,653	49,200	108,000	
10	Solar Assisted Water Heater (domestic)	-	-	1	7	14	750	5,250	
11	Solar Assisted Water Heater (pool)	-	-	4	10	220	3,000	7,500	
12	Tankless Gas Water Heater (tier 2)	256	76,850	1,152	850	8,635	360,150	255,000	
13	Direct Vent Gas Fireplace	69	13,800	575	600	4,968	115,000	120,000	
14	Smart Thermostat (appliance)	903	45,150	6,097	15,000	41,947	305,050	750,000	
15	Boiler Reset Control (appliance)	2	200	5	5	22	500	500	
16	Combined Space and Hot Water (appliance)	5	3,750	23	-	350	17,250	-	
17	95% Efficient Furnace	2	600	62	1,000	436	18,600	300,000	
18	95% Efficient Furnace with ECM	85	29,750	97	100	683	33,950	35,000	
19	98% Efficient Furnace with ECM	-	-	-	5	-	-	2,000	
20	Gas Water Heater - Tier 2	-	-	2	80	5	200	8,000	
21	Solar Assisted Water Heater (pool)	-	-	-	1	-	-	750	
22	Condensing Gas Water Heater	-	-	2	-	9	700	-	
23	Boilers Tier 1	-	-	-	1	-	-	400	
24	Boilers Tier 2	-	-	-	1	-	-	600	
25	Direct Vent Gas Fireplace	-	-	1	1	3	200	200	
26	Smart Thermostat (existing multifamily)	-	-	23	200	74	1,150	10,000	
27	Combined Space and Hot Water (existing r	-	-	-	5	-	-	3,750	
28	Tankless Gas Water Heater (tier 2)	80	24,000	92	1	442	27,600	300	
29	Incentive Accruals	-	(41,200)	-	-	-	-	-	
30	Administrative & Overheads	N/A	147,165	N/A	N/A	N/A	609,828	1,110,218	
31	Total	3,122	\$ 875,065	16,367	28,495	132,954	\$ 4,181,678	\$ 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 December 31, 2019

Line #	Program	4th Quarter 2019		Total 2019					
		Participants	Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
1	HERS Index 62 or lower (builder)	289	\$ 28,900	1,382	1,600	5,749	\$ 138,200	\$ 160,000	
2	HERS Index 55 or lower (builder)	570	114,000	1,870	600	15,558	374,000	120,000	
3	HERS Index 48 or lower (builder)	66	19,800	193	10	2,409	57,900	3,000	
4	Energy Star 3.0 Bonus (builder)	355	17,750	867	600	1,928	43,350	30,000	
5	92% Efficient Furnace	7	1,400	105	-	680	21,000	-	
6	95% Efficient Furnace	1,416	424,800	7,186	8,500	58,291	2,159,050	2,550,000	
7	95% Efficient Furnace with ECM	386	135,100	1,740	1,000	14,103	609,100	350,000	
8	98% Efficient Furnace with ECM	1	450	23	20	224	9,350	8,000	
9	67 EF Storage Water Heater	334	33,400	1,534	515	3,510	153,400	51,500	
10	Tankless Water Heater Tier 2	528	162,350	1,318	110	11,282	419,800	33,000	
11	Condensing Gas Water Heater	25	8,750	65	10	451	22,750	3,500	
12	Hybrid Gas Water Heater	-	-	-	5	-	-	1,750	
13	Gas Boiler Rebates Paid - Tier 1	-	-	2	9	14	800	3,600	
14	Gas Boiler Rebates Paid - Tier 2	6	3,600	34	33	438	20,400	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	692	103,800	2,949	1,200	12,740	442,350	180,000	
18	R-5 Window	1	760	14	200	151	16,312	500	
19	Smart Thermostat (builder)	79	3,950	390	450	1,342	19,600	22,500	
20	Combined Space and Hot Water (builder)	-	-	2	5	29	1,500	3,750	
21	HERS Index 62 or lower - MF	178	8,900	1,173	10	2,158	58,650	500	
22	HERS Index 55 or lower - MF	292	29,200	1,253	-	4,611	125,300	-	
23	HERS Index 48 or lower - MF	322	48,300	626	-	3,456	93,900	-	
24	Energy Star 3.0 Bonus - MF	162	4,050	792	-	716	19,800	-	
25	Pay for Performance	114	40,784	290	-	1,856	107,284	-	
26	92% Efficient Furnace - MF	-	-	23	-	112	4,600	-	
27	95% Efficient Furnace - MF	1,146	343,800	3,809	1,500	22,924	1,156,050	450,000	
28	95% Efficient Furnace with ECM - MF	150	52,500	186	33	1,131	65,100	11,550	
29	98% Efficient Furnace with ECM - MF	-	-	9	5	66	3,600	2,000	
30	67 EF Storage Water Heater - MF	222	22,200	1,265	715	1,407	126,500	71,500	
31	Tankless Water Heater Tier 2 - MF	504	152,000	966	5	5,216	303,500	1,500	
32	Condensing Gas Water Heater - MF	71	24,850	71	-	307	24,850	-	
33	Hybrid Gas Water Heater - MF	-	-	-	5	-	-	1,750	
34	Boilers Tier 1 - MF	-	-	-	5	-	-	2,000	
35	Boilers Tier 2 - MF	-	-	5	5	64	3,000	3,000	
36	Solar Assisted Water Heater - domestic MF	-	-	-	5	-	-	3,750	
37	Solar Assisted Water Heater - pool MF	-	-	-	5	-	-	3,750	
38	R-5 Window	-	-	-	5	-	-	13	
39	Smart Thermostat (new multifamily)	34	1,700	340	5	462	30,200	250	
40	Combined Space and Hot Water (new multifamily)	-	-	-	15	-	-	11,250	
41	Energy Star Highrise (new multifamily)	-	-	4	300	4	100	7,500	
42	Incentive Accrual	-	(3,600)	-	-	-	(885,000)	-	
43	Administrative & Overheads	N/A	75,022	N/A	N/A	N/A	374,125	630,000	
44	Total	7,950	\$ 1,858,516	30,486	17,495	173,390	\$ 6,120,422	\$ 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 December 31, 2019

Line #	Program	4th Quarter 2019		Total 2019				
		Participants	Actual Costs	Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
1	Business Custom	1	\$ 216	30	20	7,720	\$ 72,023	\$ 80,000
2	95% Efficient Furnace	87	26,100	517	500	4,888	155,100	150,000
3	95% Efficient Furnace with ECM	63	22,050	214	200	2,015	74,900	70,000
4	98% Efficient Furnace with ECM	-	-	12	10	133	4,800	4,000
5	Gas Storage Water Heater - Tier 2 <75kBtu .67	-	-	3	5	7	300	500
6	Gas Storage Water Heater >75kBtu	69	40,078	162	50	12,479	107,576	30,000
7	High Efficiency Gas Water Heater - Tankless <200kBtu	19	13,580	38	5	1,952	27,880	2,000
8	High Efficiency Gas Water Heater - Tankless >200kBtu	30	24,905	49	25	2,334	33,091	25,500
9	Condensing Gas Water Heater	1	350	3	3	24	1,050	1,050
10	Hybrid Gas Water Heater	1	350	2	3	16	700	1,750
11	Combined Space / Water Heater (business)	1	450	1	5	15	450	2,250
12	Commercial Clothes Washer	-	-	12	1	25	900	75
13	Boiler Reset Control	-	-	3	30	178	750	7,500
14	Boiler Tune-up Tier 1	2	200	2	25	31	200	2,500
15	Boiler Tune-up Tier 2	-	-	3	25	117	600	5,000
16	Boiler Tune-up Tier 3	-	-	18	50	1,274	4,550	15,000
17	Low Flow Pre-rips Spray Valve	-	-	-	25	-	-	800
18	Smart Thermostat (business)	30	2,319	396	200	763	9,534	14,000
19	Direct Contact Water Heater	-	-	-	1	-	-	298
20	Direct Fired Heater	14	88,316	15	75	9,894	89,616	90,000
21	High Efficiency Boiler Hot Water Tier 1	5	2,100	13	25	1,394	19,406	100,000
22	High Efficiency Boiler Hot Water Tier 2	79	688,575	133	75	43,663	886,912	304,888
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	High Efficiency Boiler Steam Tier 2	2	11,640	6	-	6,440	47,352	-
26	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business)	-	-	4	10	982	20,456	21,512
27	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	-	-	-	10	-	-	108,060
28	Gas Unit Heater NonCondensing	-	-	2	10	28	1,228	16,200
29	Gas Unit Heater Condensing	2	1,228	2	2	233	3,025	2,500
30	Infrared Heating System	7	3,025	7	50	233	3,025	37,500
31	Modulating Infrared Heaters (NC or Replacing Non-IR) (business)	-	-	14	40	968	16,500	43,500
32	Modulating Infrared Heaters (Replacing Non-IR) (business)	9	4,750	100	20	1,435	61,250	5,800
33	Condensing RTUs (business)	-	-	21	8	677	21,000	18,75
34	High Efficiency Gas Combo Oven	9	9,000	21	8	677	21,000	8,000
35	High Efficiency Gas Combo Oven (Used)	-	-	-	8	-	-	4,000
36	Energy Star Gas Commercial Fryer	4	2,000	17	25	549	8,500	18,750
37	Energy Star Gas Commercial Fryer (Used)	-	-	-	15	-	-	5,625
38	High Efficiency Gas Convection Oven	43	21,500	67	25	1,810	33,500	18,750
39	High Efficiency Gas Convection Oven (Used)	-	-	-	15	-	-	5,625
40	High Efficiency Gas Giddle	-	-	1	5	12	300	1,500
41	High Efficiency Gas Giddle (Used)	-	-	-	5	-	-	750
42	Energy Star Gas Steam Cooker	6	6,000	10	2	706	10,000	2,000
43	Energy Star Gas Steam Cooker (Used)	-	-	-	2	-	-	1,000
44	Attic Insulation (retrofit)	4	6,336	13	50	300	13,052	56,000
45	Wall Insulation (retrofit)	120	120	2	5	125	125	6,000
46	Demand Control Ventilation Systems (DCV) Packaged (no BMS)	1	1,240	5	50	747	27,466	20,000
47	Pipe Insulation (Hot Water)	35	14,000	168	5	3,656	67,200	5,000
48	Pipe Insulation (Steam)	-	-	-	10	-	-	750
49	High Efficiency Charbroiler	-	-	-	5	-	-	1,000
50	High Efficiency Charbroiler (Used)	-	-	-	5	-	-	5,000
51	Conveyor Oven	-	-	-	2	-	-	2,000
52	Conveyor Oven (Used)	-	-	-	2	-	-	1,000
53	Gas Dyer Moisture Sensor	-	-	-	1	-	-	25
54	Modulating Gas Dryer	-	-	1	1	26	75	750
55	Solar Assisted Water Heater- Pool-Business	48	87,002	153	40	1,114	94,291	4,000
56	Prescriptive ERV	-	-	-	-	-	-	-
57	Incentive Actual	-	-	-	-	-	-	-
58	Administrative & Overheads	N/A	155,885	N/A	N/A	N/A	768,617	1,180,000
59	Total	573	\$ 1,098,210	2,217	1,911	108,889	\$ 2,674,073	\$ 3,679,448

*Savings reflect 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 December 31, 2019

Line #	Program	4th Quarter 2019		Total 2019						
		Actual Participants**	Actual Costs	Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget	
1	ThermWise HOME ENERGY PLAN									
2	Efficiency Measures	590	\$ 11,463	2,337	14,573	2,800	33,970	\$ 27,789	\$ 52,285	
3	Administrative & Overheads	N/A	80,054	N/A	N/A	N/A	N/A	374,958	633,000	
4	Total	590	\$ 91,517	2,337	14,573	2,800	33,970	\$ 402,747	\$ 685,285	

*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 December 31, 2019

Line #	Program	4th Quarter 2019		Total 2019				
		Actual	Actual	Actual	Estimated	Dth	Actual	Budget
		Participants	Costs	Participants	Participants	Savings*	Costs	
1	Attic Insulation Tier 1 - .25 per sq. ft	2,385	\$ 504,634	10,788	9,000	35,599	\$ 2,098,977	\$ 3,150,000
2	Attic Insulation Tier 2	811	59,103	4,152	2,500	4,178	281,192	245,000
3	Floor Insulation	17	2,688	102	200	530	19,469	32,800
4	Wall Insulation	65	18,298	476	600	1,957	138,488	154,800
5	R-5 Windows	179	90,744	1,024	12,000	10,536	471,709	450,000
6	Duct Sealing & Insulation	12	3,372	203	800	2,189	57,302	335,385
7	Air Sealing	1,952	948,966	8,266	2,000	62,783	3,923,947	861,840
8	Pipe Insulation (weatherization)	-	-	-	800	-	-	2,000
9	ICAST pilot	563	104,263	1,721	1,000	17,210	361,213	450,000
10	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	-	-	34	4,000	58	3,407	989,355
11	Floor Insulation (multifamily) Tier 2	-	-	17	2,200	14	954	148,672
12	Wall Insulation (multifamily)	-	-	-	20	-	-	364
13	R-5 Windows (multifamily)	-	-	-	10	-	-	1,020
14	Duct Sealing & Insulation (multifamily)	1	399	3	40	26	1,147	1,500
15	Incentive Accruals	-	(102,834)	-	-	-	-	208,653
16	Administrative & Overheads	N/A	191,382	N/A	N/A	N/A	825,845	750,000
17	Total	5,985	\$ 1,821,013	26,786	36,370	135,079	\$ 8,183,650	\$ 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 December 31, 2019

Line #	Program	4th Quarter 2019		Total 2019			
		Actual Participants	Costs	Actual Participants	Estimated Participants	Actual Costs	Budget
1	Market Transformation Total	N/A	\$ (195,262)	N/A	N/A	\$ 852,478	\$ 1,320,000

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

Line #	Program	4th Quarter 2019		Total 2019				
		Actual Participants	Costs	Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
1	Energy Comparison Report Total	56,100	\$ 17,036	224,400	224,400	363,528	\$ 452,026	\$ 570,000

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

Line #	Program	4th Quarter 2019		Total 2019				
		Actual Participants	Costs	Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
1	95% Efficient Furnace	7	2,100	46	300	541	13,800	90,000
2	95% Efficient Furnace with ECM	12	4,200	98	20	1,153	34,300	7,000
3	98% Efficient Furnace with ECM	1	400	4	4	55	1,600	1,600
4	Gas Water Heater - Tier 2	-	-	7	38	28	700	3,800
5	Attic Insulation - Tier 1	35	7,415	253	220	972	45,871	67,760
6	Attic Insulation Tier 2	14	276	114	120	35	1,896	9,240
7	Floor Insulation	1	108	17	48	73	2,153	10,224
8	Wall Insulation	6	1,339	75	40	224	12,686	11,802
9	Duct Sealing & Insulation	-	-	-	50	-	-	20,962
10	Air Sealing	37	14,373	221	280	1,779	88,973	81,050
11	Tank Less Gas Water Heater - Tier 2 (low income)	-	-	-	5	-	-	1,750
12	Smart Thermostat (low income)	8	400	16	700	138	800	35,000
13	Low Income Furnace Replacement	374	-	374	600	7,667	500,000	500,000
14	Administrative & Overheads	N/A	2,516	N/A	N/A	N/A	10,945	28,763
15	Total	495	\$ 33,127	1,225	2,425	12,667	\$ 713,724	\$ 868,950