

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

May 15, 2023

Subject: Docket No. 22-057-18 and 23-057-05

Dear Chris:

Attached please find copies of the Energy Efficiency Report for the first quarter ending March 31, 2023. 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,

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, 2023

Line #	Program	1st Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	ThermWise Appliance Rebates	2,865	\$ 987,757	2,865	13,413	26,944	\$ 987,757	\$ 5,859,850
2	ThermWise Builder Rebates	5,608	2,819,082	5,608	21,370	70,346	2,819,082	8,249,660
3	ThermWise Business Rebates	81	278,786	81	1,358	5,955	278,786	3,203,031
4	ThermWise Home Energy Plan	594	136,067	594	2,240	7,061	136,067	520,200
5	ThermWise Weatherization Rebates	5,191	1,163,796	5,191	30,685	13,817	1,163,796	7,691,614
6	Market Transformation	N/A	526,869	N/A	N/A	N/A	526,869	1,320,000
7	ThermWise Energy Comparison Report	70,000	138,682	70,000	280,000	89,600	138,682	550,000
8	Low Income Efficiency Program	200	297,659	200	1,502	1,232	297,659	731,119
9	DSM Accruals **	N/A	360,987	N/A	N/A	N/A	360,987	N/A
10	Programs Total ***	14,539	\$ 6,709,686	14,539	70,568	214,955	\$ 6,709,686	\$ 28,125,473
11	DSM Interest	N/A	(60,000)	N/A	N/A	N/A	(60,000)	N/A
12	DSM Amortization	N/A	(10,942,895)	N/A	N/A	N/A	(10,942,895)	N/A
13	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A
14	2023 TOTAL	14,539	\$ (4,293,209)	14,539	70,568	214,955	\$ (4,293,209)	\$ 28,125,473

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

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

*** 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, 2023

Line#	Program	1st Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	1,175	\$ 352,500	1,175	4,500	11,064	\$ 352,500	\$ 1,350,000
2	98% Efficient Furnace	77	26,950	77	400	853	26,950	140,000
3	Gas Water Heater - Tier 2	46	4,600	46	250	105	4,600	25,000
4	Condensing Gas Water Heater	1	350	1	25	7	350	8,750
5	Hybrid Gas Water Heater	3	1,050	3	20	21	1,050	7,000
6	Boilers Tier 1	-	-	-	10	-	-	4,000
7	Boilers Tier 2	33	19,800	33	150	623	19,800	90,000
8	Solar Assisted Water Heater (domestic)	-	-	-	4	-	-	3,000
9	Solar Assisted Water Heater (pool)	-	-	-	4	-	-	3,000
10	Tankless Gas Water Heater (tier 2)	397	119,100	397	1,700	2,976	119,100	510,000
11	Direct Vent Gas Fireplace	29	5,800	29	100	251	5,800	20,000
12	Smart Thermostat - Tier 1 (appliance)	481	24,050	481	1,300	3,177	24,050	65,000
13	Smart Thermostat - Tier 2 (appliance)	288	21,600	288	2,300	1,981	21,600	172,500
14	Boiler Reset Control (appliance)	-	-	-	10	-	-	1,000
15	Combined Space and Hot Water (appliance)	1	750	1	40	15	750	30,000
16	Smart Water Heater Controller (appliance)	-	-	-	30	-	-	1,500
17	Dual Fuel Heating System - Tier 1 (appliance)	264	235,800	264	200	5,491	235,800	200,000
18	Dual Fuel Heating System - Tier 2 (appliance)	5	6,000	5	1,800	136	6,000	2,160,000
19	Energy Recovery Ventilator (appliance)	-	-	-	40	-	-	12,000
20	HVAC Monitoring (appliance)	35	1,750	35	5	30	1,750	250
21	95% Efficient Furnace (existing multifamily)	26	7,800	26	300	183	7,800	90,000
22	98% Efficient Furnace (existing multifamily)	-	-	-	50	-	-	17,500
23	Gas Water Heater - Tier 2	-	-	-	4	-	-	400
24	Solar Assisted Water Heater (pool)	-	-	-	1	-	-	750
25	Condensing Gas Water Heater	-	-	-	75	-	-	26,250
26	Boilers Tier 1	-	-	-	1	-	-	400
27	Boilers Tier 2	-	-	-	1	-	-	600
28	Direct Vent Gas Fireplace	-	-	-	4	-	-	800
29	Smart Thermostat - Tier 1 (existing multifamily)	2	100	2	25	6	100	1,250
30	Smart Thermostat - Tier 2 (existing multifamily)	-	-	-	50	-	-	3,750
31	Dual Fuel Heating System - Tier 1 (existing multifamily)	2	900	2	4	24	900	2,000
32	Dual Fuel Heating System - Tier 2 (existing multifamily)	-	-	-	1	-	-	600
33	Energy Recovery Ventilator (existing multifamily)	-	-	-	1	-	-	150
34	HVAC Monitoring (existing multifamily)	-	-	-	4	-	-	200
35	Tankless Gas Water Heater (tier 2)	-	-	-	4	-	-	1,200
36	Administrative & Overheads	N/A	158,857	N/A	N/A	N/A	158,857	911,000
37	Total	2,865	\$ 987,757	2,865	13,413	26,944	\$ 987,757	\$ 5,859,850

*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, 2023

Line #	Program	1st Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Pay for Performance (builder)	1,477	\$ 1,400,373	1,477	6,000	39,051	\$ 1,400,373	\$ 2,700,000
2	Energy Star 3.0 Bonus (builder)	118	5,900	118	500	262	5,900	237,500
3	DOE Zero Energy Ready Bonus (builder)	23	1,150	23	150	70	1,150	93,750
4	95% Efficient Furnace	457	137,100	457	2,500	3,704	137,100	750,000
5	98% Efficient Furnace	3	1,050	3	500	29	1,050	175,000
6	.67 EF Storage Water Heater	10	1,000	10	250	23	1,000	25,000
7	Tankless Water Heater Tier 2	90	27,000	90	500	770	27,000	150,000
8	Condensing Gas Water Heater	2	700	2	20	14	700	7,000
9	Hybrid Gas Water Heater	-	-	-	1	-	-	350
10	Gas Boiler - Tier 1	1	400	1	10	7	400	4,000
11	Gas Boiler - Tier 2	-	-	-	30	-	-	18,000
12	Solar Assisted Water Heater - domestic	-	-	-	1	-	-	750
13	Solar Assisted Water Heater - pool	-	-	-	1	-	-	750
14	2X6 R-23 Walls	65	9,750	65	600	281	9,750	90,000
15	R-5 Window	54	2,622	54	30	24	2,622	25,000
16	Smart Thermostat - Tier 1 (builder)	-	-	-	400	-	-	20,000
17	Smart Thermostat - Tier 2 (builder)	-	-	-	500	-	-	37,500
18	Smart Thermostat (builder)	416	20,800	416	-	1,431	20,800	-
19	Combined Space and Hot Water (builder)	-	-	-	3	-	-	2,250
20	Smart Water Heater Controller (builder)	-	-	-	4	-	-	200
21	Dual Fuel Heating System - Tier 1 (builder)	3	2,400	3	100	70	2,400	100,000
22	Dual Fuel Heating System - Tier 2 (builder)	-	-	-	200	-	-	240,000
23	Energy Recovery Ventilator (builder)	3	900	3	40	25	900	12,000
24	Exterior Insulation (builder)	3	600	3	5	16	600	1,000
25	HVAC Monitoring (builder)	1	50	1	5	1	50	250
26	Pay for Performance - MF	791	554,924	791	3,200	13,943.20	554,924	1,440,000
27	Energy Star 3.0 Bonus - MF	20	500	20	400	18	500	190,000
28	DOE Zero Energy Ready Bonus - MF	-	-	-	50	-	-	28,750
29	95% Efficient Furnace - MF	1,056	316,800	1,056	2,800	6,420	316,800	840,000
30	98% Efficient Furnace - MF	-	-	-	300	-	-	105,000
31	.67 EF Storage Water Heater - MF	119	11,900	119	1,000	132	11,900	100,000
32	Tankless Water Heater Tier 2 - MF	702	210,600	702	1,000	3,791	210,600	300,000
33	Hybrid Gas Water Heater - MF	-	-	-	4	-	-	1,400
34	Boilers Tier 1 - MF	-	-	-	4	-	-	1,600
35	Boilers Tier 2 - MF	-	-	-	12	-	-	7,200
36	Solar Assisted Water Heater - domestic MF	-	-	-	4	-	-	3,000
37	Solar Assisted Water Heater - pool MF	-	-	-	4	-	-	3,000
38	R-5 Window	-	-	-	4	-	-	10
39	Smart Thermostat - Tier 1 (new multifamily)	-	-	-	100	-	-	5,000
40	Smart Thermostat - Tier 2 (new multifamily)	-	-	-	100	-	-	7,500
41	Smart Thermostat (new multifamily)	194	9,700	194	-	264	9,700	-
42	Combined Space and Hot Water (new multifamily)	-	-	-	15	-	-	11,250
43	Dual Fuel Heating System - Tier 1 (new multifamily)	-	-	-	4	-	-	2,000
44	Dual Fuel Heating System - Tier 2 (new multifamily)	-	-	-	4	-	-	2,400
45	Energy Recovery Ventilator (new multifamily)	-	-	-	4	-	-	600
46	Exterior Insulation (new multifamily)	-	-	-	1	-	-	150
47	HVAC Monitoring (new multifamily)	-	-	-	10	-	-	500
48	Administrative & Overheads	N/A	102,863	N/A	N/A	N/A	102,863	510,000
49	Total	5,608	\$ 2,819,082	5,608	21,370	70,346	\$ 2,819,082	\$ 8,249,660

*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, 2023

Line #	Program	1st Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Business Custom	4	\$ 28,134	4	40	2,904	\$ 28,134	\$ 560,000
2	95% Efficient Furnace	11	3,300	11	200	155	3,300	60,000
3	98% Efficient Furnace	-	-	-	25	-	-	8,750
4	Gas Storage Water Heater - Tier 2 <75kBtu .67	-	-	-	10	-	-	1,000
5	Gas Storage Water Heater >75kBtu	4	1,020	4	100	118	1,020	60,000
6	High Efficiency Gas Water Heater - Tankless <200kBTU	-	-	-	25	-	-	10,000
7	High Efficiency Gas Water Heater - Tankless >200kBTU	-	-	-	25	-	-	25,500
8	High Efficiency Gas Water Heater - Tankless >200kBTU 90%	-	-	-	20	-	-	30,600
9	Condensing Gas Water Heater	-	-	-	4	-	-	1,400
10	Hybrid Gas Water Heater	-	-	-	5	-	-	1,750
11	Combined Space / Water Heater (business)	-	-	-	1	-	-	450
12	Commercial Clothes Washer	-	-	-	5	-	-	375
13	Boiler Reset Control	-	-	-	5	-	-	1,250
14	Boiler Tune-up Tier 1	-	-	-	25	-	-	2,500
15	Boiler Tune-up Tier 2	-	-	-	10	-	-	2,000
16	Boiler Tune-up Tier 3	-	-	-	25	-	-	7,500
17	Low Flow Pre-rinse Spray Valve	-	-	-	25	-	-	800
18	Smart Thermostat (business)	14	769	14	100	62	769	7,000
19	Direct Contact Water Heater	-	-	-	1	-	-	298
20	Direct Fired Heater	-	-	-	20	-	-	24,000
21	Boiler Hot Water < 300,000 Btu/h (business)	-	-	-	10	-	-	40,000
22	Boiler Hot Water ≥ 300,000 < 2,500,000 (business)	-	-	-	25	-	-	101,563
23	Boiler Hot Water ≥ 300,000 < 2,500,000 95% + (business)	2	13,993	2	30	780	13,993	131,250
24	Boiler Hot Water ≥ 2,500,000 Btu/h (business)	-	-	-	10	-	-	97,500
25	Boiler Hot Water ≥ 2,500,000 Btu/h 95% + (business)	-	-	-	20	-	-	210,000
26	Boiler Steam <300,000 Btu/h (business)	-	-	-	1	-	-	4,140
27	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business)	-	-	-	5	-	-	54,030
28	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	-	-	-	10	-	-	108,060
29	Boiler O2 Trim Controls	-	-	-	15	-	-	3,750
30	Boiler Linkagless Controls	-	-	-	5	-	-	3,125
31	Gas Unit Heater NonCondensing	26	13,700	26	50	526	13,700	12,500
32	Gas Unit Heater Condensing	-	-	-	5	-	-	8,100
33	Green Certified New Buildings	-	-	-	10	-	-	50,000
34	Infrared Heating System	-	-	-	50	-	-	37,500
35	Modulating Infrared Heaters (NC or Replacing Non-IR) (business)	-	-	-	10	-	-	10,875
36	Modulating Infrared Heaters (Replacing Non-IR) (business)	-	-	-	1	-	-	290
37	Condensing RTU's (business)	-	-	-	1	-	-	1,875
38	High Efficiency Gas Combo Oven	-	-	-	35	-	-	35,000
39	High Efficiency Gas Combo Oven (Used)	-	-	-	1	-	-	500
40	Energy Star Gas Commercial Fryer	4	2,000	4	30	129	2,000	22,500
41	Energy Star Gas Commercial Fryer (Used)	-	-	-	1	-	-	375
42	High Efficiency Gas Convection Oven	-	-	-	50	-	-	37,500
43	High Efficiency Gas Convection Oven (Used)	-	-	-	1	-	-	375
44	High Efficiency Gas Griddle	-	-	-	5	-	-	1,500
45	High Efficiency Gas Griddle (Used)	-	-	-	1	-	-	150
46	Energy Star Gas Steam Cooker	-	-	-	10	-	-	10,000
47	Energy Star Gas Steam Cooker (Used)	-	-	-	1	-	-	500
48	Attic Insulation (retrofit)	1	493	1	25	11	493	28,000
49	Wall Insulation (retrofit)	-	-	-	10	-	-	12,000
50	Demand Control Ventilation Systems (DCV) Tier 2	-	-	-	10	-	-	10,000
51	Demand Control Ventilation Systems (DCV) Tier 1	6	17,600	6	100	957	17,600	40,000
52	Pipe Insulation (Hot Water)	-	-	-	10	-	-	750
53	Pipe Insulation (Steam)	-	-	-	5	-	-	1,000
54	High Efficiency Charbroiler	-	-	-	5	-	-	5,000
55	High Efficiency Charbroiler (Used)	-	-	-	1	-	-	500
56	Conveyor Oven	-	-	-	5	-	-	5,000
57	Conveyor Oven (Used)	-	-	-	1	-	-	500
58	Gas Dryer Moisture Sensor	-	-	-	1	-	-	25
59	Modulating Gas Dryer	-	-	-	5	-	-	375
60	Solar Assisted Water Heater- Pool- Business	-	-	-	1	-	-	750
61	Dual Fuel Heating System (business)	-	-	-	10	-	-	10,000
62	Dual Fuel Heating System (business)	-	-	-	10	-	-	12,000
63	Advanced rooftop controls ≥ 5 tons and ≤ 10 tons	7	3,500	7	30	190	3,500	15,000
64	Advanced rooftop controls > 10 tons and ≤ 15 tons	-	-	-	30	-	-	19,500
65	Advanced rooftop controls > 15 tons	2	1,600	2	10	122	1,600	8,000
66	Prescriptive ERV	-	-	-	25	-	-	2,500
67	Administrative & Overheads	N/A	192,677	N/A	N/A	N/A	192,677	1,244,000
68	Total	81	\$ 278,786	81	1,358	5,955	\$ 278,786	\$ 3,203,031

*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, 2023

Line #	Program	1st Quarter 2023		Total 2023					
		Actual		Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget
Participants**	Costs								
1	<i>THERMWISE HOME ENERGY PLAN</i>								
2	Efficiency Measures	594	\$ 4,941	594	2,799	2,240	7,061	\$ 4,941	\$ 40,200
3	Administrative & Overheads	N/A	131,126	N/A	N/A	N/A	N/A	131,126	480,000
4	Total	594	\$ 136,067	594	2,799	2,240	7,061	\$ 136,067	\$ 520,200

*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, 2023

Line #	Program	1st Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Attic Insulation Tier 1 - .25 per sq. ft	1,094	\$ 229,421	1,094	11,000	3,826	\$ 229,421	\$ 2,158,750
2	Attic Insulation Tier 2	470	31,208	470	6,000	452	31,208	197,820
3	Floor Insulation	8	1,355	8	185	37	1,355	14,356
4	Wall Insulation	43	13,831	43	780	195	13,831	119,340
5	R-5 Windows	2,370	88,665	2,370	900	1,980	88,665	337,500
6	Duct Sealing & Insulation	2	697	2	200	26	697	60,480
7	Air Sealing	1,203	633,303	1,203	11,500	7,293	633,303	4,020,400
8	Pipe Insulation (weatherization)	-	-	-	5	-	-	13
9	Exterior Insulation (weatherization)	1	629	1	5	6	628.92	2,400
10	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	-	-	-	40	-	-	4,600
11	Attic Insulation (multifamily) Tier 2	-	-	-	40	-	-	2,212
12	Floor Insulation (multifamily)	-	-	-	5	-	-	364
13	Wall Insulation (multifamily)	-	-	-	10	-	-	1,920
14	R-5 Windows (multifamily)	-	-	-	5	-	-	2,500
15	Exterior Insulation (multifamily)	-	-	-	5	-	-	2,400
16	Duct Sealing & Insulation (multifamily)	-	-	-	5	-	-	1,560
17	Administrative & Overheads	N/A	164,686	N/A	N/A	N/A	164,686	765,000
18	Total	5,191	\$ 1,163,796	5,191	30,685	13,817	\$ 1,163,796	\$ 7,691,614

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

Dominion Energy
ThermWise Energy Comparison Report - Utah Programs
As of March 31, 2023

Line #	Program	1st Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	Energy Comparison Report Total	70,000	\$ 138,682	70,000	280,000	89,600	\$ 138,682	\$ 550,000

Dominion Energy
Low Income Efficiency Program - Utah Programs
As of March 31, 2023

Line #	Program	1st Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	32	\$ 9,600	32	150	377	\$ 9,600	\$ 45,000
2	98% Efficient Furnace	-	-	-	4	-	-	1,400
3	Gas Water Heater - Tier 2	6	600	6	38	24	600	3,800
4	Boilers Tier 1	-	-	-	-	-	-	-
5	Boilers Tier 2	2	1,200	2	-	50	1,200	-
6	Condensing Gas Water Heater	2	700	2	-	17	700	-
7	Attic Insulation - Tier 1	45	7,140	45	150	151	7,140	46,200
8	Attic Insulation Tier 2	18	1,317	18	90	24	1,317	6,930
9	Floor Insulation	6	351	6	20	12	351	4,260
10	Wall Insulation	16	2,819	16	80	50	2,819	23,604
11	Duct Sealing & Insulation	1	252	1	20	9	252	8,385
12	Air Sealing	44	18,792	44	200	278	18,792	60,040
13	Tank Less Gas Water Heater - Tier 2 (low income)	-	-	-	-	-	-	-
14	Smart Thermostat - Tier 1 (low income)	19	950	19	50	161	950	2,500
15	Smart Thermostat - Tier 2 (low income)	9	675	9	100	77	675	5,000
16	Low Income Furnace Replacement	-	250,000	-	600	-	250,000	500,000
17	Administrative & Overheads	N/A	3,261	N/A	N/A	N/A	3,261	24,000
18	Total	200	\$ 297,659	200	1,502	1,232	\$ 297,659	\$ 731,119

Dominion Energy
Market Transformation - Utah Programs
As of March 31, 2023

Line #	Program	1st Quarter 2023		Total 2023			
		Actual		Actual Participants	Estimated Participants	Actual Costs	Budget
		Participants	Costs				
1	Market Transformation Total	N/A	\$ 526,869	N/A	N/A	\$ 526,869	\$ 1,320,000