

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

November 14, 2023

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

Dear Chris:

Attached please find copies of the Energy Efficiency Report for the third quarter ending September 30, 2023. This report was designed and prepared based on recommendations from the Division of Public Utilities and Dominion Energy for the purpose of providing information on the ThermWise® 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 September 30, 2023

Line #	Program	3rd Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	ThermWise Appliance Rebates	2,679	\$ 1,526,144	8,275	13,413	89,456	\$ 3,770,935	\$ 5,859,850
2	ThermWise Builder Rebates	1,417	762,233	9,858	21,370	115,394	4,867,625	8,249,660
3	ThermWise Business Rebates	396	830,900	595	1,358	71,502	1,395,652	3,203,031
4	ThermWise Home Energy Plan	485	63,562	1,637	2,240	23,286	310,130	520,200
5	ThermWise Weatherization Rebates	5,915	2,167,924	15,677	30,685	61,837	5,288,805	7,691,614
6	Market Transformation	N/A	160,359	N/A	N/A	N/A	938,474	1,320,000
7	ThermWise Energy Comparison Report	70,000	136,733	210,000	280,000	268,800	420,096	550,000
8	Low Income Efficiency Program	118	278,952	526	1,522	3,055	626,884	731,119
9	DSM Accruals **	N/A	(112,855)	N/A	N/A	N/A	34,517	N/A
10	Programs Total ***	11,010	\$ 5,813,951	36,568	70,588	633,331	\$ 17,653,117	\$ 28,125,473
11	DSM Interest	N/A	(41,144)	N/A	N/A	N/A	(184,063)	N/A
12	DSM Amortization	N/A	(1,639,282)	N/A	N/A	N/A	(16,321,902)	N/A
13	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A
14	2023 TOTAL	11,010	\$ 4,133,525	36,568	70,588	633,331	\$ 1,147,153	\$ 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 September 30, 2023

Line#	Program	3rd Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	656	\$ 196,800	2,775	4,500	26,129	\$ 832,500	\$ 1,350,000
2	98% Efficient Furnace	36	12,600	181	400	2,005	63,350	140,000
3	Gas Water Heater - Tier 2	15	1,500	93	250	213	9,300	25,000
4	Condensing Gas Water Heater	1	350	3	25	21	1,050	8,750
5	Hybrid Gas Water Heater	-	-	3	20	21	1,050	7,000
6	Boilers Tier 1	-	-	-	10	-	-	4,000
7	Boilers Tier 2	17	10,200	79	150	1,440	47,400	90,000
8	Solar Assisted Water Heater (domestic)	-	-	-	4	-	-	3,000
9	Solar Assisted Water Heater (pool)	-	-	1	4	55	750	3,000
10	Tankless Gas Water Heater (tier 2)	301	90,300	1,104	1,700	8,276	331,200	510,000
11	Direct Vent Gas Fireplace	7	1,400	48	100	415	9,600	20,000
12	Smart Thermostat - Tier 1 (appliance)	131	6,550	808	1,300	4,853	40,400	65,000
13	Smart Thermostat - Tier 2 (appliance)	456	34,200	1,211	2,300	8,332	90,825	172,500
14	Boiler Reset Control (appliance)	-	-	1	10	4	100	1,000
15	Combined Space and Hot Water (appliance)	6	4,500	7	40	106	5,250	30,000
16	Smart Water Heater Controller (appliance)	3	150	3	30	6	150	1,500
17	Dual Fuel Heating System - Tier 1 (appliance)	807	806,800	1,578	200	32,822	1,546,000	200,000
18	Dual Fuel Heating System - Tier 2 (appliance)	80	96,000	129	1,800	3,509	154,800	2,160,000
19	Energy Recovery Ventilator (appliance)	-	-	-	40	-	-	12,000
20	HVAC Monitoring (appliance)	18	900	59	5	50	2,950	250
21	95% Efficient Furnace (existing multifamily)	83	24,900	111	300	781	33,300	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	24	8,400	24	75	104	8,400	26,250
26	Boilers Tier 1	-	-	-	1	-	-	400
27	Boilers Tier 2	1	600	2	1	26	1,200	600
28	Direct Vent Gas Fireplace	-	-	-	4	-	-	800
29	Smart Thermostat - Tier 1 (existing multifamily)	-	-	4	25	13	200	1,250
30	Smart Thermostat - Tier 2 (existing multifamily)	36	2,700	38	50	192	2,850	3,750
31	Dual Fuel Heating System - Tier 1 (existing multifamily)	-	-	3	4	36	1,350	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)	1	300	10	4	48	3,000	1,200
36	Administrative & Overheads	N/A	226,994	N/A	N/A	N/A	583,960	911,000
37	Total	2,679	\$ 1,526,144	8,275	13,413	89,456	\$ 3,770,935	\$ 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 September 30, 2023

Line #	Program	3rd Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Pay for Performance (builder)	309	\$ 255,924	2,211	6,000	55,397	\$ 2,031,739	\$ 2,700,000
2	Energy Star 3.0 Bonus (builder)	15	750	221	500	492	11,050	237,500
3	DOE Zero Energy Ready Bonus (builder)	-	-	41	150	124	2,050	93,750
4	95% Efficient Furnace	490	147,000	1,542	2,500	12,496	462,600	750,000
5	98% Efficient Furnace	15	5,250	19	500	185	6,650	175,000
6	.67 EF Storage Water Heater	2	200	25	250	57	2,500	25,000
7	Tankless Water Heater Tier 2	59	17,700	306	500	2,619	91,800	150,000
8	Condensing Gas Water Heater	1	350	6	20	42	2,100	7,000
9	Hybrid Gas Water Heater	-	-	-	1	-	-	350
10	Gas Boiler - Tier 1	-	-	1	10	7	400	4,000
11	Gas Boiler - Tier 2	2	1,200	16	30	161	9,600	18,000
12	Solar Assisted Water Heater - domestic	-	-	-	1	-	-	750
13	Solar Assisted Water Heater - pool	-	-	-	1	-	-	750
14	2X6 R-23 Walls	43	6,450	174	600	752	26,100	90,000
15	R-5 Window	1	1,728	59	30	107	11,541	25,000
16	Smart Thermostat - Tier 1 (builder)	20	1,000	460	400	1,600	23,000	20,000
17	Smart Thermostat - Tier 2 (builder)	26	1,950	55	500	339	4,125	37,500
18	Combined Space and Hot Water (builder)	-	-	-	3	-	-	2,250
19	Smart Water Heater Controller (builder)	-	-	-	4	-	-	200
20	Dual Fuel Heating System - Tier 1 (builder)	22	22,000	69	100	1,601	64,800	100,000
21	Dual Fuel Heating System - Tier 2 (builder)	-	-	-	200	-	-	240,000
22	Energy Recovery Ventilator (builder)	3	900	6	40	50	1,800	12,000
23	Exterior Insulation (builder)	4	800	20	5	106	4,000	1,000
24	HVAC Monitoring (builder)	-	-	1	5	1	50	250
25	Pay for Performance - MF	179	116,522	1,538	3,200	23,978	1,000,292	1,440,000
26	Energy Star 3.0 Bonus - MF	-	-	20	400	18	500	190,000
27	DOE Zero Energy Ready Bonus - MF	-	-	-	50	-	-	28,750
28	95% Efficient Furnace - MF	145	43,500	1,642	2,800	9,983	492,600	840,000
29	98% Efficient Furnace - MF	-	-	-	300	-	-	105,000
30	.67 EF Storage Water Heater - MF	2	200	381	1,000	424	38,100	100,000
31	Tankless Water Heater Tier 2 - MF	79	23,700	850	1,000	4,590	255,000	300,000
32	Hybrid Gas Water Heater - MF	-	-	-	4	-	-	1,400
33	Boilers Tier 1 - MF	-	-	-	4	-	-	1,600
34	Boilers Tier 2 - MF	-	-	-	12	-	-	7,200
35	Solar Assisted Water Heater - domestic MF	-	-	-	4	-	-	3,000
36	Solar Assisted Water Heater - pool MF	-	-	-	4	-	-	3,000
37	R-5 Window	-	-	-	4	-	-	10
38	Smart Thermostat - Tier 1 (new multifamily)	-	-	195	100	267	9,750	5,000
39	Smart Thermostat - Tier 2 (new multifamily)	-	-	-	100	-	-	7,500
40	Combined Space and Hot Water (new multifamily)	-	-	-	15	-	-	11,250
41	Dual Fuel Heating System - Tier 1 (new multifamily)	-	-	-	4	-	-	2,000
42	Dual Fuel Heating System - Tier 2 (new multifamily)	-	-	-	4	-	-	2,400
43	Energy Recovery Ventilator (new multifamily)	-	-	-	4	-	-	600
44	Exterior Insulation (new multifamily)	-	-	-	1	-	-	150
45	HVAC Monitoring (new multifamily)	-	-	-	10	-	-	500
46	Administrative & Overheads	N/A	115,109	N/A	N/A	N/A	315,478	510,000
47	Total	1,417	\$ 762,233	9,858	21,370	115,394	\$ 4,867,625	\$ 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 September 30, 2023

Line #	Program	3rd Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Business Custom	121	\$ 190,824	131	40	27,527	\$ 247,800	\$ 560,000
2	95% Efficient Furnace	23	6,900	47	200	662	14,100	60,000
3	98% Efficient Furnace	1	350	1	25	11	350	8,750
4	Gas Storage Water Heater - Tier 2 <75kBtu .67	-	-	-	10	-	-	1,000
5	Gas Storage Water Heater >75kBtu	8	2,150	13	100	391	3,370	60,000
6	High Efficiency Gas Water Heater - Tankless <200kBTU	8	2,950	12	25	318	4,542	10,000
7	High Efficiency Gas Water Heater - Tankless >200kBTU	-	-	-	25	-	-	25,500
8	High Efficiency Gas Water Heater - Tankless >200kBTU 90%	38	136,890	38	20	11,408	136,890	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	-	-	1	5	59	250	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)	18	1,765	33	100	209	2,608	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)	5	2,506	5	10	130	2,506	40,000
22	Boiler Hot Water ≥ 300,000 < 2,500,000 (business)	9	34,281	10	25	1,414	35,906	101,563
23	Boiler Hot Water ≥ 300,000 < 2,500,000 95% + (business)	11	10,535	13	30	1,368	24,528	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)	25	170,090	25	20	8,009	170,090	210,000
26	Boiler Steam <300,000 Btu/h (business)	-	-	-	1	-	-	4,140
27	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business)	2	11,400	2	5	319	11,400	54,030
28	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	-	-	-	10	-	-	108,060
29	Boiler O2 Trim Controls	21	7,350	25	15	501	8,949	3,750
30	Boiler Linkagless Controls	-	-	-	5	-	-	3,125
31	Gas Unit Heater NonCondensing	41	18,250	119	50	2,181	56,825	12,500
32	Gas Unit Heater Condensing	-	-	-	5	-	-	8,100
33	Green Certified New Buildings	-	-	1	10	1,680	15,000	50,000
34	Infrared Heating System	-	-	5	50	277	3,600	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	7	7,000	7	35	226	7,000	35,000
39	High Efficiency Gas Combo Oven (Used)	-	-	-	1	-	-	500
40	Energy Star Gas Commercial Fryer	15	7,500	26	30	840	13,000	22,500
41	Energy Star Gas Commercial Fryer (Used)	-	-	-	1	-	-	375
42	High Efficiency Gas Convection Oven	5	2,500	5	50	141	2,500	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)	4	5,727	20	25	1,098	47,754	28,000
49	Wall Insulation (retrofit)	1	532	1	10	13	532	12,000
50	Demand Control Ventilation Systems (DCV) Tier 2	2	5,200	2	10	566	5,200	10,000
51	Demand Control Ventilation Systems (DCV) Tier 1	-	-	7	100	1,066	19,600	40,000
52	Pipe Insulation (Hot Water)	-	-	-	10	-	-	750
53	Pipe Insulation (Steam)	-	-	-	5	-	-	1,000
54	High Efficiency Charbroiler	2	2,000	2	5	120	2,000	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)	2	2,000	2	20	42	2,000	22,000
62	Advanced rooftop controls ≥ 5 tons and ≤ 10 tons	12	50,000	21	30	3,743	86,000	15,000
63	Advanced rooftop controls > 10 tons and ≤ 15 tons	6	14,300	9	30	1,398	33,800	19,500
64	Advanced rooftop controls > 15 tons	2	8,000	5	10	1,313	21,600	8,000
65	High Performance New Construction	7	27,952	7	-	4,472	27,952	-
66	Prescriptive ERV	-	-	-	25	-	-	2,500
67	Administrative & Overheads	N/A	101,949	N/A	N/A	N/A	388,000	1,244,000
68	Total	396	\$ 830,900	595	1,358	71,502	\$ 1,395,652	\$ 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 September 30, 2023

Line #	Program	3rd 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	485	\$ 1,876	1,637	9,821	2,240	23,286	\$ 25,263	\$ 40,200
3	Administrative & Overheads	N/A	61,686	N/A	N/A	N/A	N/A	284,867	480,000
4	Total	485	\$ 63,562	1,637	9,821	2,240	23,286	\$ 310,130	\$ 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 September 30, 2023

Line #	Program	3rd 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	2,262	\$ 429,607	4,667	11,000	15,751	\$ 948,582	\$ 2,158,750
2	Attic Insulation Tier 2	952	76,778	1,950	6,000	2,169	149,836	197,820
3	Floor Insulation	2	282	16	185	64	2,351	14,356
4	Wall Insulation	33	10,688	119	780	507	35,870	119,340
5	R-5 Windows	147	76,821	2,670	900	5,528	247,510	337,500
6	Duct Sealing & Insulation	-	-	3	200	569	1,147	60,480
7	Air Sealing	2,497	1,282,992	6,057	11,500	36,699	3,186,839	4,020,400
8	Pipe Insulation (weatherization)	-	-	-	5	-	-	13
9	Exterior Insulation (weatherization)	2	358	3	5	10	987.32	2,400
10	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	13	1,881	13	40	32	1,881	4,600
11	Attic Insulation (multifamily) Tier 2	6	404	6	40	6	404	2,212
12	Floor Insulation (multifamily)	-	-	-	5	-	-	364
13	Wall Insulation (multifamily)	-	-	-	10	-	-	1,920
14	R-5 Windows (multifamily)	1	(150)	173	5	501	22,440	2,500
15	Exterior Insulation (multifamily)	-	-	-	5	-	-	2,400
16	Duct Sealing & Insulation (multifamily)	-	-	-	5	-	-	1,560
17	Administrative & Overheads	N/A	288,262	N/A	N/A	N/A	690,957	765,000
18	Total	5,915	\$ 2,167,924	15,677	30,685	61,837	\$ 5,288,805	\$ 7,691,614

*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 September 30, 2023

Line #	Program	3rd Quarter 2023		Total 2023			
		Actual		Actual Participants	Estimated Participants	Actual Costs	Budget
		Participants	Costs				
1	Market Transformation Total	N/A	\$ 160,359	N/A	N/A	\$ 938,474	\$ 1,320,000

Dominion Energy
ThermWise Energy Comparison Report - Utah Programs
As of September 30, 2023

Line #	Program	3rd Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	Energy Comparison Report Total	70,000	\$ 136,733	210,000	280,000	268,800	\$ 420,096	\$ 550,000

Dominion Energy
Low Income Efficiency Program - Utah Programs
As of September 30, 2023

Line #	Program	3rd Quarter 2023		Total 2023				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	12	\$ 3,600	59	150	694	\$ 17,700	\$ 45,000
2	98% Efficient Furnace	-	-	-	4	-	-	1,400
3	Gas Water Heater - Tier 2	3	300	16	38	63	1,600	3,800
4	Boilers Tier 1	-	-	-	-	-	-	-
5	Boilers Tier 2	1	600	4	-	101	2,400	-
6	Condensing Gas Water Heater	-	-	2	-	17	700	-
7	Hybrid Gas Water Heater (Low Income)	-	-	3	20	26	1,050	-
8	Attic Insulation - Tier 1	36	4,995	127	150	398	18,773	46,200
9	Attic Insulation Tier 2	17	1,208	53	90	69	3,742	6,930
10	Floor Insulation	5	887	15	20	60	1,759	4,260
11	Wall Insulation	5	1,295	41	80	124	7,043	23,604
12	Duct Sealing & Insulation	-	-	1	20	9	252	8,385
13	Air Sealing	27	11,869	131	200	824	55,644	60,040
14	Tank Less Gas Water Heater - Tier 2 (low income)	-	-	-	-	-	-	-
15	Dual Fuel Heating System (low Income)	-	-	2	-	52	1,600	-
16	Smart Thermostat - Tier 1 (low income)	-	-	30	50	256	1,500	2,500
17	Smart Thermostat - Tier 2 (low income)	12	900	42	100	361	3,150	5,000
18	Low Income Furnace Replacement	-	250,000	-	600	-	500,000	500,000
19	Administrative & Overheads	N/A	3,299	N/A	N/A	N/A	9,971	24,000
20	Total	118	\$ 278,952	526	1,522	3,055	\$ 626,884	\$ 731,119