

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

February 14, 2022

*Subject: Docket No. 20-057-20 and 22-057-01*

Dear Chris:

Attached please find copies of the Energy Efficiency Report for the year ending December 31, 2021. 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.

Total spending for the 2021 program year was approximately \$25.0 million or 92.5% of the \$27.1 million Commission-approved ThermWise® budget. For the Appliance, Builder, Business, Weatherization, and Energy Comparison Report Programs, actual spending was consistent the approved respective program budgets. Spending for these programs reached approximately 94.8% percent of their respective approved program budgets. The Market Transformation, Low Income, and Home Energy Plan Programs had expenditures that were lower than expected (approximately 76.3% of budget), which was primarily due to the continued impact of the COVID-19 pandemic. The majority of 2021 program year resulted in the cancellation of community initiatives, trade and consumers shows, and community campaigns. However, the Company did participate in those initiatives that were reopened later in 2021. The Company anticipates that the expenditures for ThermWise® programs and Market Transformation initiatives will return to a more historical level once the impacts from COVID-19 have subsided.

In January 2022, the Company reported that expenditures for the Weatherization Program surpassed 90% of 2021 Commission approved budget. In this report, the Company provided forecasted year-end expenditures for the Weatherization Program of \$7.7 million or 99% of the \$7.8 million program budget. Actual year-end Weatherization Program expenditures was approximately \$7.5 million, which totaled 96.5% of the 2021 budget.

In total, rebate dollars accounted for approximately 81% of total ThermWise® spending in 2021 (forecasted ~81% in 2021 budget) and resulted in annual natural gas savings of 931,953 decatherms.

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 December 31, 2021**

Line #	Program	4th Quarter 2021		Total 2021				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	ThermWise Appliance Rebates	3,512	\$ 1,131,352	13,114	16,846	122,473	\$ 4,296,597	\$ 4,855,850
2	ThermWise Builder Rebates	5,750	1,692,165	19,322	21,625	191,313	7,906,644	7,792,260
3	ThermWise Business Rebates	674	1,000,825	1,359	2,768	81,509	2,915,571	3,435,818
4	ThermWise Home Energy Plan	365	81,235	1,722	2,240	26,458	364,320	498,467
5	ThermWise Weatherization Rebates	5,255	1,699,563	21,273	30,243	110,517	7,543,060	7,812,879
6	Market Transformation	N/A	124,364	N/A	N/A	N/A	980,669	1,320,000
7	ThermWise Energy Comparison Report	226,000	117,027	226,000	226,000	284,760	493,875	530,000
8	Low Income Efficiency Program	196	46,998	978	1,820	9,614	663,436	812,365
9	DSM Accruals **	N/A	(627,830)	N/A	N/A	N/A	(135,237)	N/A
10	<b>Programs Total ***</b>	<b>15,752</b>	<b>\$ 5,265,700</b>	<b>57,768</b>	<b>75,542</b>	<b>826,644</b>	<b>\$ 25,028,933</b>	<b>\$ 27,057,639</b>
11	DSM Interest	N/A	18,246	N/A	N/A	N/A	13,627	N/A
12	DSM Amortization	N/A	(9,811,499)	N/A	N/A	N/A	(24,500,335)	N/A
13	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A
14	<b>2021 TOTAL</b>	<b>15,752</b>	<b>\$ (4,527,553)</b>	<b>57,768</b>	<b>75,542</b>	<b>826,644</b>	<b>\$ 542,225</b>	<b>\$ 27,057,639</b>

\*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 December 31, 2021**

Line#	Program	4th Quarter 2021		Total 2021				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	1,333	\$ 399,900	5,286	8,000	49,773	\$ 1,585,800	\$ 2,400,000
2	98% Efficient	142	49,700	558	900	6,183	195,300	315,000
3	Gas Water Heater - Tier 2	40	4,000	326	1,100	746	32,600	110,000
4	Condensing Gas Water Heater	-	-	11	80	76	3,850	28,000
5	Hybrid Gas Water Heater	3	1,050	8	40	56	2,800	14,000
6	Boilers Tier 1	2	800	6	12	90	2,400	4,800
7	Boilers Tier 2	25	15,000	155	150	3,125	93,000	90,000
8	Solar Assisted Water Heater (domestic)	-	-	-	4	-	-	3,000
9	Solar Assisted Water Heater (pool)	1	750	3	4	165	2,250	3,000
10	Tankless Gas Water Heater (tier 2)	364	109,200	1,782	1,500	13,358	534,600	450,000
11	Direct Vent Gas Fireplace	31	6,200	230	450	1,987	46,000	90,000
12	Smart Thermostat (appliance)	857	42,850	3,098	4,000	21,314	154,900	200,000
13	Boiler Reset Control (appliance)	-	-	2	5	9	200	500
14	Combined Space and Hot Water (appliance)	-	-	16	30	243	12,000	22,500
15	Smart Water Heater Controller (appliance)	1	50	10	50	20	500	2,500
16	Dual Fuel Heating System (appliance)	378	302,400	1,098	200	22,838	878,400	160,000
17	Energy Recovery Ventilator (appliance)	1	300	3	100	25	900	30,000
18	95% Efficient Furnace (existing multifamily)	82	24,600	143	150	1,007	42,900	45,000
19	98% Efficient Furnace (existing multifamily)	-	-	21	4	175	7,350	1,400
20	Gas Water Heater - Tier 2	-	-	-	4	-	-	400
21	Solar Assisted Water Heater (pool)	-	-	-	1	-	-	750
22	Condensing Gas Water Heater	-	-	105	-	454	36,750	-
23	Boilers Tier 1	-	-	-	1	-	-	400
24	Boilers Tier 2	-	-	-	1	-	-	600
25	Direct Vent Gas Fireplace	-	-	-	4	-	-	800
26	Smart Thermostat (existing multifamily)	240	12,000	240	50	768	12,000	2,500
27	Dual Fuel Heating System (existing multifamily)	-	-	-	4	-	-	1,800
28	Energy Recovery Ventilator (existing multifamily)	-	-	-	1	-	-	150
29	Tankless Gas Water Heater (tier 2)	12	3,600	13	1	62	3,900	300
30	Administrative & Overheads	N/A	158,952	N/A	N/A	N/A	648,197	878,450
31	<b>Total</b>	<b>3,512</b>	<b>\$ 1,131,352</b>	<b>13,114</b>	<b>16,846</b>	<b>122,473</b>	<b>\$ 4,296,597</b>	<b>\$ 4,855,850</b>

\*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, 2021**

Line #	Program	4th Quarter 2021		Total 2021				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Pay for Performance (builder)	3,167	\$ 873,119	7,588	3,000	121,408	\$ 4,212,880	\$ 2,100,000
2	Energy Star 3.0 Bonus (builder)	398	19,900	826	800	1,837	41,300	580,000
3	DOE Zero Energy Ready Bonus (builder)	-	-	-	100	-	-	87,500
4	95% Efficient Furnace	452	114,350	1,738	4,200	14,085	495,450	1,260,000
5	98% Efficient Furnace	1	350	417	40	4,053	145,950	14,000
6	.67 EF Storage Water Heater	4	400	54	1,800	124	5,400	180,000
7	Tankless Water Heater Tier 2	38	11,400	192	1,500	1,644	57,600	450,000
8	Condensing Gas Water Heater	14	4,900	15	65	104	5,250	22,750
9	Hybrid Gas Water Heater	-	-	-	1	-	-	350
10	Gas Boiler Rebates Paid - Tier 1	-	-	-	10	-	-	4,000
11	Gas Boiler Rebates Paid - Tier 2	3	1,800	7	60	90	4,200	36,000
12	Solar Assisted Water Heater - domestic	-	-	-	1	-	-	750
13	Solar Assisted Water Heater - pool	-	-	-	1	-	-	750
14	2X6 R-23 Walls	101	15,150	386	2,000	1,668	57,900	300,000
15	R-5 Window	1	3,590	9	30	81	8,738	25,000
16	Smart Thermostat (builder)	(44)	(2,200)	292	600	1,004	14,600	30,000
17	Combined Space and Hot Water (builder)	-	-	-	3	-	-	2,250
18	Smart Water Heater Controller (builder)	-	-	-	4	-	-	200
19	Dual Fuel Heating System (builder)	-	-	6	400	139	4,800	320,000
20	Energy Recovery Ventilator (builder)	-	-	-	200	-	-	60,000
21	Pay for Performance - MF	555	348,566	2,024	1,500	16,192	1,207,471	600,000
22	Energy Star 3.0 Bonus - MF	322	8,050	524	600	4,666	13,100	255,000
23	DOE Zero Energy Ready Bonus - MF	19	950	65	30	637	3,250	15,750
24	95% Efficient Furnace - MF	431	123,150	2,618	1,500	15,917	785,000	450,000
25	98% Efficient Furnace - MF	-	-	116	25	844	40,600	8,750
26	.67 EF Storage Water Heater - MF	19	1,900	954	1,700	1,061	95,400	170,000
27	Tankless Water Heater Tier 2 - MF	211	63,300	768	600	4,147	230,400	180,000
28	Condensing Gas Water Heater - MF	33	11,550	171	-	739	59,850	-
29	Hybrid Gas Water Heater - MF	-	-	39	4	168	13,650	1,400
30	Boilers Tier 1 - MF	1	400	1	4	7	400	1,600
31	Boilers Tier 2 - MF	-	-	-	12	-	-	7,200
32	Solar Assisted Water Heater - domestic MF	-	-	-	4	-	-	3,000
33	Solar Assisted Water Heater - pool MF	-	-	-	4	-	-	3,000
34	R-5 Window	-	-	-	4	-	-	10
35	Smart Thermostat (new multifamily)	24	1,200	512	800	696	25,600	40,000
36	Combined Space and Hot Water (new multifamily)	-	-	-	15	-	-	11,250
37	Dual Fuel Heating System ( new multifamily)	-	-	-	4	-	-	1,800
38	Energy Recovery Ventilator (new multifamily)	-	-	-	4	-	-	600
39	Administrative & Overheads	N/A	90,341	N/A	N/A	N/A	377,854	569,350
40	<b>Total</b>	<b>5,750</b>	<b>\$ 1,692,165</b>	<b>19,322</b>	<b>21,625</b>	<b>191,313</b>	<b>\$ 7,906,644</b>	<b>\$ 7,792,260</b>

\*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, 2021

Line #	Program	4th Quarter 2021		Total 2021				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Business Custom	5	\$ 97,255	18	40	8,111	\$ 119,789	\$ 560,000
2	95% Efficient Furnace	317	94,800	441	700	4,152	132,300	210,000
3	98% Efficient Furnace	-	-	1	50	11	350	17,500
4	Gas Storage Water Heater - Tier 2 <75kBtu .67	-	-	-	10	-	-	1,000
5	Gas Storage Water Heater >75kBtu	37	14,982	75	150	3,901	33,625	90,000
6	High Efficiency Gas Water Heater - Tankless <200KBTU	5	1,992	9	50	237	3,389	20,000
7	High Efficiency Gas Water Heater - Tankless >200KBTU	8	7,190	12	30	788	11,254	30,600
8	High Efficiency Gas Water Heater - Tankless >200KBTU	17	39,717	28	20	5,198	62,370	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	-	-	1	5	5	75	375
13	Boiler Reset Control	-	-	2	5	119	500	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)	62	6,100	277	350	1,875	23,436	24,500
19	Direct Contact Water Heater	-	-	-	1	-	-	298
20	Direct Fired Heater	3	2,906	7	5	955	8,654	6,000
21	Boiler Hot Water < 300,000 Btu/h (business)	1	400	1	10	21	400	40,000
22	Boiler Hot Water ≥ 300,000 < 2,500,000 (business)	12	60,759	33	60	8,348	211,959	243,750
23	Boiler Hot Water ≥ 300,000 < 2,500,000 95% + (business)	20	71,474	39	15	13,267	237,885	65,625
24	Boiler Hot Water ≥ 2,500,000 Btu/h (business)	3	29,250	7	10	3,305	84,435	97,500
25	Boiler Hot Water ≥ 2,500,000 Btu/h 95% + (business)	9	82,250	14	5	6,180	131,250	52,500
26	Boiler Steam <300,000 Btu/h (business)	-	-	-	1	-	-	4,140
27	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business)	-	-	3	5	411	14,694	54,030
28	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	-	-	1	10	137	2,860	108,060
29	Gas Unit Heater NonCondensing	15	5,938	51	40	695	19,688	10,000
30	Gas Unit Heater Condensing	-	-	1	5	35	1,560	8,100
31	Green Certified New Buildings	3	31,652	5	10	5,103	45,567	50,000
32	Infrared Heating System	41	16,000	44	150	1,459	18,950	112,500
33	Modulating Infrared Heaters (NC or Replacing Non-IR) (business)	-	-	-	10	-	-	10,875
34	Modulating Infrared Heaters (Replacing Non-IR) (business)	-	-	-	1	-	-	290
35	Condensing RTU's (business)	-	-	-	1	-	-	1,875
36	High Efficiency Gas Combo Oven	6	6,000	26	10	838	26,000	10,000
37	High Efficiency Gas Combo Oven (Used)	-	-	-	1	-	-	500
38	Energy Star Gas Commercial Fryer	15	7,500	39	30	1,260	19,500	22,500
39	Energy Star Gas Commercial Fryer (Used)	-	-	-	1	-	-	375
40	High Efficiency Gas Convection Oven	33	16,500	59	25	1,661	29,500	18,750
41	High Efficiency Gas Convection Oven (Used)	-	-	-	1	-	-	375
42	High Efficiency Gas Griddle	1	300	1	5	12	300	1,500
43	High Efficiency Gas Griddle (Used)	-	-	-	1	-	-	150
44	Energy Star Gas Steam Cooker	5	5,000	6	10	424	6,000	10,000
45	Energy Star Gas Steam Cooker (Used)	-	-	-	1	-	-	500
46	Attic Insulation (retrofit)	1	1,600	6	25	461	20,022	28,000
47	Wall Insulation (retrofit)	-	-	1	10	14	576	12,000
48	Demand Control Ventilation Systems (DCV) Tier 2	-	-	4	10	1,534	14,100	10,000
49	Demand Control Ventilation Systems (DCV) Tier 1	20	42,000	84	400	8,965	164,800	160,000
50	Pipe Insulation (Hot Water)	-	-	-	10	-	-	750
51	Pipe Insulation (Steam)	-	-	-	5	-	-	1,000
52	High Efficiency Charbroiler	-	-	1	5	60	1,000	5,000
53	High Efficiency Charbroiler (Used)	-	-	-	1	-	-	500
54	Conveyor Oven	-	-	-	5	-	-	5,000
55	Conveyor Oven (Used)	-	-	-	1	-	-	500
56	Gas Dryer Moisture Sensor	-	-	-	1	-	-	25
57	Modulating Gas Dryer	-	-	-	5	-	-	375
58	Solar Assisted Water Heater- Pool- Business	-	-	-	1	-	-	750
59	Dual Fuel Heating System (business)	-	-	-	10	-	-	8,000
60	Advanced rooftop controls ≥ 5 tons and ≤ 10 tons	15	73,500	24	60	652.8	104,500	30,000
61	Advanced rooftop controls > 10 tons and ≤ 15 tons	12	25,350	17	30	571.2	43,550	19,500
62	Advanced rooftop controls > 15 tons	6	26,400	11	10	668.8	42,400	8,000
63	Prescriptive ERV	2	12,902	10	250	73	45,665	25,000
64	Administrative & Overheads	N/A	221,110	N/A	N/A	N/A	1,232,669	1,189,000
65	<b>Total</b>	<b>674</b>	<b>\$ 1,000,825</b>	<b>1,359</b>	<b>2,768</b>	<b>81,509</b>	<b>\$ 2,915,571</b>	<b>\$ 3,435,818</b>

\*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 December 31, 2021**

Line #	Program	4th Quarter 2021		Total 2021					
		Actual		Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants**	Costs						
1	THERMWISE HOME ENERGY PLAN								
2	Efficiency Measures	365	\$ 866	1,722	11,626	2,240	26,458	\$ 15,888	\$ 38,467
3	Administrative & Overheads	N/A	80,369	N/A	N/A	N/A	N/A	348,432	460,000
4	<b>Total</b>	<b>365</b>	<b>\$ 81,235</b>	<b>1,722</b>	<b>11,626</b>	<b>2,240</b>	<b>26,458</b>	<b>\$ 364,320</b>	<b>\$ 498,467</b>

\*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, 2021**

Line #	Program	4th Quarter 2021		Total 2021				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	Attic Insulation Tier 1 - .25 per sq. ft	2,047	\$ 372,908	7,669	12,900	28,335	\$ 1,706,191	\$ 1,935,000
2	Attic Insulation Tier 2	888	55,401	2,678	5,300	2,550	175,990	293,090
3	Floor Insulation	17	2,359	56	185	251	9,213	14,356
4	Wall Insulation	65	16,860	294	780	1,217	86,126	119,340
5	R-5 Windows	158	82,025	598	1,500	6,695	299,754	693,750
6	Duct Sealing & Insulation	2,075	979,530	8,003	9,000	46,409	4,051,203	3,933,000
7	Air Sealing	1	349	458	9,000	1,960	209,099	3,933,000
8	Pipe Insulation (weatherization)	-	-	-	100	-	-	250
9	Miltifamily Whole Building Retrofit	-	-	1,879	-	23,487	358,629	-
10	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	-	-	20	24	36	2,151	2,760
11	Attic Insulation (multifamily) Tier 2	-	-	10	24	9	602	1,327
12	Floor Insulation (multifamily)	-	-	-	10	-	-	364
13	Wall Insulation (multifamily)	-	-	8	10	24	1,696	1,020
14	R-5 Windows (multifamily)	2	13,746	5	5	783	35,064	1,150
15	Duct Sealing & Insulation (multifamily)	-	-	-	5	-	-	1,512
16	Administrative & Overheads	N/A	175,436	N/A	N/A	N/A	799,383	695,000
17	<b>Total</b>	<b>5,255</b>	<b>\$ 1,699,563</b>	<b>21,273</b>	<b>30,243</b>	<b>110,517</b>	<b>\$ 7,543,060</b>	<b>\$ 7,812,879</b>

\*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 December 31, 2021**

Line #	Program	4th Quarter 2021		Total 2021				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	Energy Comparison Report Total	226,000	\$ 117,027	226,000	226,000	284,760	\$ 493,875	\$ 530,000

**Dominion Energy**  
**Low Income Efficiency Program - Utah Programs**  
**As of December 31, 2021**

Line #	Program	4th Quarter 2021		Total 2021				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	32	\$ 9,600	117	275	1,377	\$ 35,100	\$ 82,500
2	98% Efficient Furnace	1	350	1	4	14	350	1,400
3	Boilers Tier 2	-	-	3	-	76	1,800	-
4	Gas Water Heater - Tier 2	-	-	2	38	8	200	3,800
5	Water Heater - Storage Condensing (Energy Star)	4	1,400	6	-	52	2,100	-
6	Water Heater - Hybrid	-	-	1	-	9	350	-
7	Attic Insulation - Tier 1	41	6,962	159	210	550	25,934	64,680
8	Attic Insulation Tier 2	16	244	63	110	16	887	8,470
9	Floor Insulation	3	524	6	38	26	751	8,094
10	Wall Insulation	21	3,977	63	30	176	9,944	8,852
11	Duct Sealing & Insulation	-	-	2	40	32	865	16,769
12	Air Sealing	47	19,543	157	270	976	65,939	81,050
13	Tank Less Gas Water Heater - Tier 2 (low income)	-	-	-	5	-	-	1,750
14	Smart Thermostat (low income)	31	1,550	156	200	1,342	7,800	10,000
15	Low Income Furnace Replacement	-	-	242	600	4,961	500,000	500,000
16	Administrative & Overheads	N/A	2,846	N/A	N/A	N/A	11,417	25,000
17	<b>Total</b>	<b>196</b>	<b>\$ 46,998</b>	<b>978</b>	<b>1,820</b>	<b>9,614</b>	<b>\$ 663,436</b>	<b>\$ 812,365</b>

**Dominion Energy**  
**Market Transformation - Utah Programs**  
**As of December 31, 2021**

Line #	Program	4th Quarter 2021		Total 2021			
		Actual		Actual Participants	Estimated Participants	Actual Costs	Budget
		Participants	Costs				
1	Market Transformation Total	N/A	\$ 124,364	N/A	N/A	\$ 980,669	\$ 1,320,000