

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 20, 2019

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

Dear Chris:

Attached please find copies of the Energy Efficiency Report for the third quarter ending September 30, 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 blue 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 September 30, 2019**

Line #	Program	3rd Quarter 2019		Total 2019				
		Actual		Actual	Estimated	Dth	Actual	Budget
		Participants	Costs	Participants	Participants	Savings*	Costs	
1	ThermWise Appliance Rebates	3,647	\$ 956,480	13,245	28,495	107,168	\$ 3,306,613	\$ 5,914,668
2	ThermWise Builder Rebates	8,547	1,929,962	22,536	17,495	127,114	4,261,906	4,748,713
3	ThermWise Business Rebates	564	670,728	1,644	1,911	54,851	1,575,863	3,619,448
4	ThermWise Home Energy Plan	540	107,522	1,747	2,800	26,080	311,230	685,265
5	ThermWise Weatherization Rebates	7,162	2,301,629	20,801	36,370	102,332	6,362,637	7,781,388
6	Market Transformation	N/A	276,251	N/A	N/A	N/A	1,047,740	1,320,000
7	ThermWise Energy Comparison Report	56,100	155,356	168,300	224,400	272,646	434,990	570,000
8	Low Income Efficiency Program	273	320,640	730	2,425	4,217	680,597	868,950
9	<b>Programs Total **</b>	<b>20,733</b>	<b>\$ 6,718,568</b>	<b>60,703</b>	<b>89,496</b>	<b>694,408</b>	<b>\$ 17,981,575</b>	<b>\$ 25,508,431</b>
10	DSM Interest	N/A	9,751	N/A	N/A	N/A	(40,832)	N/A
11	DSM Amortization	N/A	(1,877,476)	N/A	N/A	N/A	(18,291,272)	N/A
12	DSM Accruals ***	N/A	(963,122)	N/A	N/A	N/A	(159,445)	N/A
13	DSM General Administration	-	-	N/A	N/A	N/A	-	N/A
14	<b>2019 TOTAL</b>	<b>20,733</b>	<b>\$ 3,887,721</b>	<b>60,703</b>	<b>89,496</b>	<b>694,408</b>	<b>\$ (509,974)</b>	<b>\$ 25,508,431</b>

\*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 September 30, 2019**

Line#	Program	3rd Quarter 2019		Total 2019				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	92% Efficient Furnace	-	\$ -	13	-	101	\$ 2,600	\$ -
2	95% Efficient Furnace	431	129,350	1,659	6,300	15,628	497,750	1,890,000
3	95% Efficient Furnace with ECM	1,095	383,350	3,579	2,700	33,714	1,252,750	945,000
4	98% Efficient Furnace with ECM	192	76,800	577	600	6,393	230,800	240,000
5	Gas Water Heater - Tier 2	97	9,700	509	700	1,165	50,900	70,000
6	Condensing Gas Water Heater	12	4,200	78	110	542	27,300	38,500
7	Hybrid Gas Water Heater	4	1,400	19	30	132	6,650	10,500
8	Boilers Tier 1	2	800	11	8	165	4,400	3,200
9	Boilers Tier 2	18	10,800	66	180	1,331	39,600	108,000
10	Solar Assisted Water Heater (domestic)	-	-	1	7	14	750	5,250
11	Solar Assisted Water Heater (pool)	3	2,250	4	10	220	3,000	7,500
12	Tankless Gas Water Heater (tier 2)	282	84,850	896	850	6,716	283,300	255,000
13	Direct Vent Gas Fireplace	85	17,000	506	600	4,372	101,200	120,000
14	Smart Thermostat (appliance)	1,383	69,150	5,194	15,000	35,735	259,900	750,000
15	Boiler Reset Control (appliance)	1	100	3	5	13	300	500
16	Combined Space and Hot Water (appliance)	8	6,000	18	-	274	13,500	-
17	95% Efficient Furnace	4	1,200	60	1,000	422	18,000	300,000
18	95% Efficient Furnace with ECM	12	4,200	12	100	84	4,200	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)	6	300	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)	12	3,600	12	1	58	3,600	300
29	Administrative & Overheads	N/A	151,430	N/A	N/A	N/A	503,863	1,110,218
30	<b>Total</b>	<b>3,647</b>	<b>\$ 956,480</b>	<b>13,245</b>	<b>28,495</b>	<b>107,168</b>	<b>\$ 3,306,613</b>	<b>\$ 5,914,668</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 September 30, 2019**

Line #	Program	3rd Quarter 2019		Total 2019				
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants	Costs					
1	HERS Index 62 or lower (builder)	536	\$ 53,600	1,093	1,600	4,547	\$ 109,300	\$ 180,000
2	HERS Index 55 or lower (builder)	755	151,000	1,300	600	10,816	260,000	120,000
3	HERS Index 48 or lower (builder)	98	29,400	127	10	1,585	38,100	3,000
4	Energy Star 3.0 Bonus (builder)	228	11,400	512	600	1,139	25,600	30,000
5	92% Efficient Furnace	-	-	98	-	635	19,600	-
6	95% Efficient Furnace	1,705	511,700	5,770	8,500	46,816	1,734,250	2,550,000
7	95% Efficient Furnace with ECM	628	219,800	1,354	1,000	10,975	474,000	350,000
8	98% Efficient Furnace with ECM	6	2,500	22	20	214	8,900	8,000
9	.67 EF Storage Water Heater	517	51,700	1,200	515	2,746	120,000	51,500
10	Tankless Water Heater Tier 2	489	152,350	790	110	6,762	257,450	33,000
11	Condensing Gas Water Heater	13	4,550	40	10	278	14,000	3,500
12	Hybrid Gas Water Heater	-	-	-	5	-	-	1,750
13	Gas Boiler Rebates Paid - Tier 1 NEW 2018	-	-	2	9	14	800	3,600
14	Gas Boiler Rebates Paid - Tier 2	3	1,800	28	33	361	16,800	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	712	106,800	2,257	1,200	9,750	338,550	180,000
18	R-5 Window	2	5,230	13	200	144	15,553	500
19	Smart Thermostat (builder)	65	3,250	311	450	1,070	15,650	22,500
20	Combined Space and Hot Water (builder)	1	750	2	5	29	1,500	3,750
21	HERS Index 62 or lower - MF	217	10,850	995	10	1,831	49,750	500
22	HERS Index 55 or lower - MF	478	47,800	961	-	3,536	96,100	-
23	HERS Index 48 or lower - MF	214	32,100	304	-	1,678	45,600	-
24	Energy Star 3.0 Bonus - MF	276	6,900	630	-	570	15,750	-
25	Pay for Performance	176	66,500	176	-	1,126	66,500	-
26	92% Efficient Furnace - MF	-	-	23	-	112	4,600	-
27	95% Efficient Furnace - MF	858	257,400	2,663	1,500	15,956	812,250	450,000
28	95% Efficient Furnace with ECM - MF	4	1,400	36	33	219	12,600	11,550
29	98% Efficient Furnace with ECM - MF NEW 2018	-	-	9	5	66	3,600	2,000
30	.67 EF Storage Water Heater - MF	347	34,700	1,043	715	1,160	104,300	71,500
31	Tankless Water Heater Tier 2 - MF	204	61,200	462	5	2,495	151,500	1,500
32	Hybrid Gas Water Heater - MF	-	-	-	5	-	-	1,750
33	Boilers Tier 1 - MF	-	-	-	5	-	-	2,000
34	Boilers Tier 2 - MF	-	-	5	5	64	3,000	3,000
35	Solar Assisted Water Heater - domestic MF	-	-	-	5	-	-	3,750
36	Solar Assisted Water Heater - pool MF	-	-	-	5	-	-	3,750
37	R-5 Window	-	-	-	5	-	-	13
38	Smart Thermostat (new multifamily)	-	-	264	-	359	26,400	-
39	Smart Thermostat (new multifamily)	11	550	42	5	57	2,100	250
40	Combined Space and Hot Water (new multifamily)	-	-	-	15	-	-	11,250
41	Energy Star Highrise (new multifamily)	4	100	4	300	4	100	7,500
42	Incentive Accrual	-	3,600	-	-	-	(881,400)	-
43	Administrative & Overheads	N/A	101,032	N/A	N/A	N/A	299,103	630,000
44	<b>Total</b>	<b>8,547</b>	<b>\$ 1,929,962</b>	<b>22,536</b>	<b>17,495</b>	<b>127,114</b>	<b>\$ 4,261,906</b>	<b>\$ 4,748,713</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 September 30, 2019

Line #	Program	3rd Quarter 2019		Total 2019					
		Actual		Actual Participants	Estimated Participants	Dth Savings*	Actual Costs	Budget	
		Participants	Costs						
1	Business Custom	3	\$ 9,370	29	20	7,289	\$ 71,808	\$ 80,000	
2	95% Efficient Furnace	125	37,500	430	500	4,049	129,000	150,000	
3	95% Efficient Furnace with ECM	55	19,250	151	200	1,422	52,850	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	-	-	-	50	-	-	30,000	
7	Gas Storage Water Heater >75kBtu	19	12,307	93	-	7,830	67,498	-	
8	High Efficiency Gas Water Heater - Tankless <200kBTU	4	2,900	19	5	995	14,100	2,000	
9	High Efficiency Gas Water Heater - Tankless >200kBTU	10	3,913	19	25	577	8,187	25,500	
10	Condensing Gas Water Heater NEW 2017	1	350	2	3	16	700	1,050	
11	Hybrid Gas Water Heater	-	-	1	5	8	350	1,750	
12	Combined Space / Water Heater (business)	-	-	-	5	-	-	2,250	
13	Commercial Clothes Washer	9	675	12	1	25	900	75	
14	Boiler Reset Control	1	250	3	30	178	750	7,500	
15	Boiler Tune-up Tier 1	-	-	-	25	-	-	2,500	
16	Boiler Tune-up Tier 2	-	-	3	25	117	600	5,000	
17	Boiler Tune-up Tier 3	1	300	18	50	1,274	4,550	15,000	
18	Low Flow Pre-rinse Spray Valve	-	-	-	25	-	-	800	
19	Smart Thermostat (business) NEW 2017	213	(5,863)	366	200	577	7,215	14,000	
20	Direct Contact Water Heater	-	-	-	1	-	-	298	
21	Direct Fired Heater	1	3,300	1	75	364	3,300	90,000	
22	High Efficiency Boiler Hot Water Tier 1	1	570	8	25	1,243	17,306	100,000	
23	High Efficiency Boiler Hot Water Tier 2	13	85,963	54	75	14,687	298,337	304,688	
24	Boiler Hot Water ≥ 2,500,000 Btu/h (business)	-	-	-	115	-	-	1,121,250	
25	High Efficiency Boiler Steam Tier 1	-	-	-	1	-	-	4,140	
26	High Efficiency Boiler Steam Tier 2	-	-	4	-	4,857	35,712	-	
27	Boiler Steam (Except Natural Draft) ≥ 300,000 Btu/h (business)	-	-	-	2	-	-	21,612	
28	Boiler Steam (Natural Draft) ≥ 300,000 Btu/h (business)	-	-	4	10	982	20,456	108,060	
29	Gas Unit Heater NonCondensing	-	-	-	10	-	-	18,200	
30	Gas Unit Heater Condensing	-	-	-	10	-	-	2,500	
31	Infrared Heating System	-	-	-	50	-	-	37,500	
32	Modulating Infrared Heaters (NC or Replacing Non-IR) (business)	1	300	14	40	968	16,500	43,500	
33	Modulating Infrared Heaters (Replacing Non-IR) (business)	14	13,150	91	20	1,302	46,500	5,800	
34	Condensing RTU's (business)	-	-	-	1	-	-	1,875	
35	High Efficiency Gas Combo Oven	1	1,000	12	8	387	12,000	8,000	
36	High Efficiency Gas Combo Oven (Used)	-	-	-	8	-	-	4,000	
37	Energy Star Gas Commercial Fryer	-	-	13	25	420	6,500	18,750	
38	Energy Star Gas Commercial Fryer (Used)	-	-	-	15	-	-	5,625	
39	High Efficiency Gas Convection Oven	6	3,000	24	25	310	12,000	18,750	
40	High Efficiency Gas Convection Oven (Used)	-	-	-	15	-	-	5,625	
41	High Efficiency Gas Griddle	-	-	1	5	12	300	1,500	
42	High Efficiency Gas Griddle (Used)	-	-	-	5	-	-	750	
43	Energy Star Gas Steam Cooker	2	2,000	4	2	283	4,000	2,000	
44	Energy Star Gas Steam Cooker (Used)	-	-	-	2	-	-	1,000	
45	Attic Insulation (retrofit) NEW 2018	5	4,988	9	50	141	6,116	56,000	
46	Wall Insulation (retrofit)	1	5	1	5	0	5	6,000	
47	Demand Control Ventilation Systems	1	6,340	4	50	713	26,226	20,000	
48	Demand Control Ventilation Systems (DCV) Packaged (no BMS)	27	10,800	133	5	2,894	53,200	5,000	
49	Pipe Insulation (Hot Water)	-	-	-	10	-	-	750	
50	Pipe Insulation (Steam)	-	-	-	5	-	-	1,000	
51	High Efficiency Charbroiler	-	-	-	5	-	-	5,000	
52	High Efficiency Charbroiler (Used)	-	-	-	5	-	-	2,500	
53	Conveyor Oven	-	-	-	2	-	-	2,000	
54	Conveyor Oven (Used)	-	-	-	2	-	-	1,000	
55	Gas Dryer Moisture Sensor	-	-	-	1	-	-	25	
56	Modulating Gas Dryer	1	75	1	1	26	75	75	
57	Solar Assisted Water Heater- Pool- Business	-	-	-	1	-	-	750	
58	Prescriptive ERV	49	3,551	105	40	764	7,289	4,000	
59	Administrative & Overheads	N/A	454,735	N/A	N/A	N/A	646,435	1,180,000	
60	<b>Total</b>	<b>564</b>	<b>\$ 670,728</b>	<b>1,644</b>	<b>1,911</b>	<b>54,851</b>	<b>\$ 1,575,863</b>	<b>\$ 3,619,448</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 September 30, 2019**

Line #	Program	3rd Quarter 2019		Total 2019					
		Actual		Plans / Participants**	Efficiency Items**	Estimated Participants	Dth Savings*	Actual Costs	Budget
		Participants**	Costs						
1	<i>THERMWISE HOME ENERGY PLAN</i>								
2	Efficiency Measures	540	\$ 5,932	1,747	10,809	2,800	26,080	\$ 16,326	\$ 52,265
3	Administrative & Overheads	N/A	101,590	N/A	N/A	N/A	N/A	294,904	633,000
4	<b>Total</b>	<b>540</b>	<b>\$ 107,522</b>	<b>1,747</b>	<b>10,809</b>	<b>2,800</b>	<b>26,080</b>	<b>\$ 311,230</b>	<b>\$ 685,265</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 September 30, 2019**

Line #	Program	3rd 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	2,923	\$ 569,522	8,403	9,000	27,040	\$ 1,594,342	\$ 3,150,000
2	Attic Insulation Tier 2	1,133	84,077	3,341	2,500	3,300	222,089	245,000
3	Floor Insulation	9	1,249	85	200	456	16,782	32,800
4	Wall Insulation	94	28,853	411	600	1,699	120,191	154,800
5	R-5 Windows	223	94,006	845	12,000	8,509	380,965	450,000
6	Duct Sealing & Insulation	23	7,216	191	800	2,060	53,930	335,385
7	Air Sealing	2,433	1,229,299	6,314	2,000	47,600	2,974,981	861,840
8	Pipe Insulation (weatherization)	-	-	-	800	-	-	2,000
9	ICAST pilot	288	56,678	1,158	1,000	11,580	256,950	450,000
10	Attic Insulation Tier 1 (multifamily) - .25 per sq. ft	24	2,696	34	4,000	58	3,407	989,355
11	Attic Insulation (multifamily) Tier 2	12	755	17	2,200	14	954	148,672
12	Floor Insulation (multifamily)	-	-	-	20	-	-	364
13	Wall Insulation (multifamily)	-	-	-	10	-	-	1,020
14	R-5 Windows (multifamily)	-	-	2	40	17	748	1,500
15	Duct Sealing & Insulation (multifamily)	-	-	-	1,200	-	-	208,653
16	Administrative & Overheads	N/A	227,278	N/A	N/A	N/A	737,297	750,000
17	<b>Total</b>	<b>7,162</b>	<b>\$ 2,301,629</b>	<b>20,801</b>	<b>36,370</b>	<b>102,332</b>	<b>\$ 6,362,637</b>	<b>\$ 7,781,388</b>

\*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, 2019**

Line #	Program	3rd Quarter 2019		Total 2019			
		Actual		Actual Participants	Estimated Participants	Actual Costs	Budget
		Participants	Costs				
1	Market Transformation Total	N/A	\$ 276,251	N/A	N/A	\$ 1,047,740	\$ 1,320,000



**Dominion Energy**  
**ThermWise Energy Comparison Report - Utah Programs**  
**As of September 30, 2019**

Line #	Program	3rd Quarter 2019		Total 2019				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	Energy Comparison Report Total	56,100	\$ 155,356	168,300	224,400	272,646	\$ 434,990	\$ 570,000

Dominion Energy  
 Low Income Efficiency Program - Utah Programs  
 As of September 30, 2019

Line #	Program	3rd Quarter 2019		Total 2019				
		Actual		Actual Participants	Estimated Participants	Dth Savings	Actual Costs	Budget
		Participants	Costs					
1	95% Efficient Furnace	13	\$ 3,900	39	300	459	\$ 11,700	\$ 90,000
2	95% Efficient Furnace with ECM	37	12,950	86	20	1,012	30,100	7,000
3	98% Efficient Furnace with ECM	2	800	3	4	42	1,200	1,600
4	Gas Water Heater - Tier 2	-	-	7	38	28	700	3,800
5	Attic Insulation - Tier 1	80	15,525	218	220	815	38,456	67,760
6	Attic Insulation Tier 2	35	613	100	120	30	1,620	9,240
7	Floor Insulation	7	1,087	16	48	70	2,045	10,224
8	Wall Insulation	23	3,363	69	40	200	11,347	11,802
9	Duct Sealing & Insulation	-	-	-	50	-	-	20,962
10	Air Sealing	-	-	21	-	161	8,028	-
11	Air Sealing NEW 2019	71	29,658	163	280	1,331	66,572	81,050
12	Tank Less Gas Water Heater - Tier 2 (low income)	-	-	-	5	-	-	1,750
13	Smart Thermostat (low income)	5	250	8	700	69	400	35,000
14	Low Income Furnace Replacement	-	250,000	-	600	-	500,000	500,000
15	Administrative & Overheads	N/A	2,494	N/A	N/A	N/A	8,428	28,763
16	<b>Total</b>	<b>273</b>	<b>\$ 320,640</b>	<b>730</b>	<b>2,425</b>	<b>4,217</b>	<b>\$ 680,597</b>	<b>\$ 868,950</b>