Dominion Energy Utah
Docket No. 23-057-13
DEU Exhibit 2.04

Residential Load Calculator

Change Location:	Provo
Name of Development:	Genola
Elevation (ft):	4350
Annual heating Degree Days:	6232
Design Condition (F):	-8
BTU Content at Elevation:	868
BTU Content 60 F 14.73 psia:	995
Specific Gravity:	0.56
Deration Factor:	0.83
Atmospheric Pressure:	12.6
Diversity Factor:	0.9

Housing Info

Ave sq ft	Buildings	Floors	Category	Appartments
2000	400	1	Midscale	
3000	57	1	Midscale	
4000	50	1	Midscale	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	

Monthly Heating Degree Days

January:	1241
February:	981
March:	810
April:	454
May:	274
June:	75
July:	2
August:	1
September:	79
October:	396
November:	782
December:	1137

Gas Appliance Inventory

Appliance	Efficiency	Input (kBtu/hr)	% of Houses
Furnace AFUE	80	133	100
Furnace AFUE	95	112	0
WaterHeater EF	0.51	40	100
WaterHeater EF	0.59	47	0
Range		50	0
Dryer		22	0
Fireplace		35	0
Grill		20	0
Gas Lights		2.1	0
Pool Heater		200	0

Luxury Specific Gas Appliances

Appliance	kBtu/hr/House	% of Houses
Boiler	1780	100
Furnace	175	26
Fireplace	344	100
Log	80	15
SpaceHeater	62	5
Unit Heater	115	0
PatioHeater	90	0
Infared	180	0
Spa Heater	200	0
Pool Heater	400	0
Base Usage	15	100
Boiler Input	1035	70
Driveway Size	4500	(sqft)
Heat Rate	230	BTU/(hr-ft^2)
Full Load	500	Hours/Year

Ave Installed(kBtu/hr)
173
Ave Installed(MCFH)
0.198
Peak Hourly (MCFH)
37.155
Ave Hourly (MCFH)
27.522
Peak Day (MCF)
660.527
Total Units
507
Heat Loss (Dth/F')
7.31

Dth	Furnace	W-Heater	Range	Dryer	Fireplace	Grill	Lights	Pool	Heating	Snowmelt	Other	Total
January	9071.71	1461.17	0	0	0	0	0	0	0	0	0	10532.89
February	7171.11	1321.24	0	0	0	0	0	0	0	0	0	8492.35
March	5921.1	1433.29	0	0	0	0	0	0	0	0	0	7354.39
April	3318.74	1351.16	0	0	0	0	0	0	0	0	0	4669.9
May	2002.94	1337.97	0	0	0	0	0	0	0	0	0	3340.91
June	548.25	1162.04	0	0	0	0	0	0	0	0	0	1710.29
July	14.62	1094.11	0	0	0	0	0	0	0	0	0	1108.73
August	7.31	1076.36	0	0	0	0	0	0	0	0	0	1083.67
September	577.49	1072.31	0	0	0	0	0	0	0	0	0	1649.8
October	2894.76	1195.51	0	0	0	0	0	0	0	0	0	4090.27
November	5716.42	1256.85	0	0	0	0	0	0	0	0	0	6973.27
December	8311.47	1403.38	0	0	0	0	0	0	0	0	0	9714.85
Annual	45555.93	15165.89	0	0	0	0	0	0	0	0	0	60721.82

Calculate

Help

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