Dominion Energy Utah
Docket No. 19-057-31
DEU Exhibit 2.14S

Residential Load Calculator

Change Location:	Provo
Name of Development:	Eureka Updated 360
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	242	1	Midscale	
2800	118	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	119	100
Furnace AFUE	95	100	0
WaterHeater EF	0.51	40	0
WaterHeater EF	0.59	47	100
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)	166
Ave Installed(MCFH)	0.19
Peak Hourly (MCFH)	26.247
Ave Hourly (MCFH)	19.442
Peak Day (MCF)	466.604
Total Units	360
Heat Loss (Dth/F')	5.162

Dth	Furnace	W-Heater	Range	Dryer	Fireplace	Grill	Lights	Pool	Heating	Snowmelt	Other	Total
January	6405.72	89.68	0	0	0	0	0	0	0	0	0	6495.41
February	5063.67	81.1	0	0	0	0	0	0	0	0	0	5144.76
March	4181.01	87.97	0	0	0	0	0	0	0	0	0	4268.98
April	2343.43	82.93	0	0	0	0	0	0	0	0	0	2426.36
May	1414.32	82.12	0	0	0	0	0	0	0	0	0	1496.44
June	387.13	71.32	0	0	0	0	0	0	0	0	0	458.45
July	10.32	67.15	0	0	0	0	0	0	0	0	0	77.48
August	5.16	66.06	0	0	0	0	0	0	0	0	0	71.23
September	407.78	65.82	0	0	0	0	0	0	0	0	0	473.59
October	2044.05	73.38	0	0	0	0	0	0	0	0	0	2117.43
November	4036.48	77.14	0	0	0	0	0	0	0	0	0	4113.63
December	5868.9	86.14	0	0	0	0	0	0	0	0	0	5955.04
Annual	32167.98	930.85	0	0	0	0	0	0	0	0	0	33098.83

Calculate

Help

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