Residential Load Calculator

Change Location:	Moab
Name of Development:	Green River
Elevation (ft):	4025
Annual heating Degree Days:	4771
Design Condition (F):	1
BTU Content at Elevation:	923
BTU Content 60 F 14.73 psia:	1045
Specific Gravity:	0.6
Deration Factor:	0.84
Atmospheric Pressure:	12.76
Diversity Factor:	0.9

Housing Info

Ave sq ft	Buildings	Floors	Category	Appartments
1985	438	1	Midscale	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	

Monthly Heating Degree Days

January:	1081
February:	771
March:	546
April:	272
May:	85
June:	9
July:	0
August:	0
September:	35
October:	282
November:	675
December:	1015

Gas Appliance Inventory

Appliance	Efficiency	Input (kBtu/hr)	% of Houses
Furnace AFUE	80	109	100
Furnace AFUE	95	92	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)	
149	
Ave Installed(MCFH)	
0.169	
Peak Hourly (MCFH)	
29.782	
Ave Hourly (MCFH)	
22.061	
Peak Day (MCF)	
529.454	
Total Units	
438	
Heat Loss (Dth/F')	
6.732	

Dth	Furnace	W-Heater	Range	Dryer	Fireplace	Grill	Lights	Pool	Heating	Snowmelt	Other	Total
January	7277.33	1262.32	0	0	0	0	0	0	0	0	0	8539.65
February	5190.4	1141.43	0	0	0	0	0	0	0	0	0	6331.83
March	3675.69	1238.23	0	0	0	0	0	0	0	0	0	4913.92
April	1831.11	1167.27	0	0	0	0	0	0	0	0	0	2998.38
May	572.22	1155.88	0	0	0	0	0	0	0	0	0	1728.11
June	60.59	1003.9	0	0	0	0	0	0	0	0	0	1064.48
July	0	945.2	0	0	0	0	0	0	0	0	0	945.2
August	0	929.87	0	0	0	0	0	0	0	0	0	929.87
September	235.62	926.37	0	0	0	0	0	0	0	0	0	1161.99
October	1898.43	1032.8	0	0	0	0	0	0	0	0	0	2931.24
November	4544.12	1085.8	0	0	0	0	0	0	0	0	0	5629.93
December	6833.02	1212.38	0	0	0	0	0	0	0	0	0	8045.4
Annual	32118.54	13101.89	0	0	0	0	0	0	0	0	0	45220.44

Calculate

Help

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