

Residential Load Calculator

Change Location:	Tooele
Name of Development:	
Elevation (ft):	4900
Annual heating Degree Days:	5996
Design Condition (F):	-6
BTU Content at Elevation:	867
BTU Content 60 F 14.73 psia:	1014
Specific Gravity:	0.6
Deration Factor:	0.8
Atmospheric Pressure:	12.35
Diversity Factor:	0.9

Housing Info

Ave sq ft	Buildings	Floors	Category	Appartments
2000	200	2	Midscale	
3000	100	2	Midscale	
4000	40	2	Midscale	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	
			Entry	

Monthly Heating Degree Days

January:	1113
February:	896
March:	758
April:	487
May:	263
June:	77
July:	5
August:	8
September:	112
October:	420
November:	774
December:	1084

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
Infrared	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)
0.202
Peak Hourly (MCFH)
26.509
Ave Hourly (MCFH)
19.636
Peak Day (MCF)
471.27
Total Units
340
Heat Loss (Dth/F)
5.273

Dth	Furnace	W-Heater	Range	Dryer	Fireplace	Grill	Lights	Pool	Heating	Snowmelt	Other	Total
January	5868.96	979.88	0	0	0	0	0	0	0	0	0	6848.84
February	4724.69	886.04	0	0	0	0	0	0	0	0	0	5610.73
March	3997.01	961.18	0	0	0	0	0	0	0	0	0	4958.19
April	2568	906.1	0	0	0	0	0	0	0	0	0	3474.1
May	1386.82	897.26	0	0	0	0	0	0	0	0	0	2284.08
June	406.03	779.28	0	0	0	0	0	0	0	0	0	1185.31
July	26.37	733.72	0	0	0	0	0	0	0	0	0	760.09
August	42.18	721.82	0	0	0	0	0	0	0	0	0	764
September	590.59	719.1	0	0	0	0	0	0	0	0	0	1309.69
October	2214.7	801.72	0	0	0	0	0	0	0	0	0	3016.42
November	4081.38	842.86	0	0	0	0	0	0	0	0	0	4924.24
December	5716.04	941.12	0	0	0	0	0	0	0	0	0	6657.16
Annual	31617.49	10170.42	0	0	0	0	0	0	0	0	0	41787.91

Calculate

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