

Redacted

Boiler efficiency
84%

Temperature gain

Redacted

Redacted

Month	Average Temperature (°C)	Days /Month	Heating requirement* (GJ)	Energy from boiler (84% eff) (GJ)	Gas avoidance (mmbtu)
Jan	4	31	9,294	11,064	10,487
Feb	4	28	8,116	9,662	9,158
Mar	5	31	8,696	10,352	9,812
Apr	11	30	6,732	8,015	7,596
May	16	31	5,507	6,556	6,214
Jun	20	30	4,208	5,009	4,748
Jul	24	31	3,188	3,796	3,598
Aug	25	31	2,899	3,451	3,271
Sep	22	30	3,647	4,341	4,115
Oct	17	31	5,218	6,211	5,887
Nov	10	30	7,013	8,349	7,913
Dec	6	31	8,406	10,007	9,485
Total			72,923	86,813	82,283
			availability	95%	95%
			Total	82,473	78,169
			GHG reduction	4,611	MTCO2e

* 8688 hr per year

Pueblo River

Month	Min	Avg	Max
January	0°C	4°C	8°C
February	0°C	4°C	8°C
March	0°C	5°C	10°C
April	6°C	13°C	13°C
May	12°C	16°C	19°C
June	16°C	20°C	24°C
July	20°C	24°C	28°C
August	21°C	25°C	28°C
September	18°C	22°C	25°C
October	13°C	17°C	21°C
November	6°C	10°C	14°C
December	4°C	6°C	9°C

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Air Heating Efficiency
90%

	Average Temperature (°F)	Average Temperature (°C)		Days/Month	Heating Requirement (GJ)	Heating Requirement (MMBtu)	
Month			Redacted				
Jan	31.9	-0.1		31	25,289	23,971	
Feb	34.6	1.4		28	21,222	20,116	
Mar	43.5	6.4		31	17,585	16,669	
Apr	50.9	10.5		30	12,262	11,623	
May	60.7	15.9		31	6,163	5,842	
Jun	71.4	21.9		30	0	0	
Jul	76.8	24.9		31	0	0	
Aug	74.4	23.6		31	0	0	
Sep	66.5	19.2		30	2,237	2,120	
Oct	52.7	11.5		31	11,476	10,877	
Nov	40.9	4.9		30	18,689	17,715	
Dec	31.4	-0.3		31	25,621	24,285	
				Total	140,545	133,218	mmbtu
				availability	95%		
				Total	133,517	126,557	mmbtu
					GHG reduction	6,722	MTCO2e

* 8688 hr per year

PUEBLO, CO, USA

Annual Heating, Humidification, and Ventilation Design Conditions															
Lat: 38.283N		Lon: 104.506W		Elev: 4729		Slope: 12.15		Time Zone: -7.00 (MAM)		Period: 94-19		WBAN: 93058			
Coldest		Heating DB				Humidification DP/MCDB and HR				Coldest Month W/MCDB		MCWS/PCWD			
Month		99.6%				99%				0.4%		1%		to 98.5% DB	
														WSF	
		99.6%				99%				DP		HR		MCDB	
										DP		HR		MCDB	
										WS		MCDB		WS	
										MCDB		WS		MCDB	
										MCWS		PCWD			