



Case Study Residential Home – Colorado Springs, CO

Application Information

Installation Type:	Residential	Location:	Colorado Springs, CO
Occupancy:	4	Fuel Type:	Natural Gas
Heating Type:	Shared Hydronic/Hot Water		
Heat Recovery Type:	DWHR	Model:	Y3-48
Winter Ground Water Temp	43 °F	Summer Ground Water Temp	65 °F

Residential Usage and Energy Recovery

Year to Date		Last 30 Days	
Hot Water Used (Gal):	14,948.53	Hot Water Used (Gal):	913.60
BTUs Saved :	2,364,603	BTUs Saved :	156,469

Natural Gas Energy Savings

Water Heater EF Rating:	0.86		
Therms Saved :	27.50	Therms Saved :	1.82
Lbs CO2 Saved	303.08	Lbs CO2 Saved :	20.06

Electrical Energy Equivalency

Water Heater EF Rating:	0.96		
KWH Saved :	721.70	KWH Saved :	47.76
Lbs CO2 Saved Coal Fired Plant:	1,501.13	Lbs CO2 Saved Coal Fired Plant :	99.33
Lbs CO2 Saved NG Fired Plant:	880.47	Lbs CO2 Saved NG Fired Plant:	58.26

NOTES:

- 1). The graphs below show live data for periods of hot water flow only.
- 2). Flow and Temperature readings are averaged over 1 minute polling periods.
- 3). Graph shows 36 hour time period.

Supply and Drain Temperatures

Temperatures - Copyright Swing Green, Inc.

