

Geyser daily report for Monday, October 12

1 Overview

Total hot water used	188.9 litres
Number of events larger than 10 litres	4
Number of events smaller than 10 litres	17
Total number of events	21
Maximum hot water temperature (geyser setpoint)	60.0 °C
Average hot water temperature	49.0 °C
Coldest geyser outlet temperature	44.0 °C
Average ambient temperature at geyser	20.0 °C
Electrical energy consumed	9.8 kWh
Effective energy consumed	7.6 kWh
Standing losses	2.2 kWh
Percentage energy wasted	22.4 %
Estimated cost of electricity	R 14.70
Estimated cost of standing losses	R 3.30

2 Other participant comparison

Your Geyser ID is	104
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ID	104.00	106.00	107.00	109.00	112.00
Total Volume (l)	188.90	215.00	377.30	82.50	132.10
Electrical energy (kWh)	9.80	11.30	15.20	7.40	9.40
Effective energy (kWh)	7.60	6.70	13.70	4.30	6.60
Est cost (R)	14.70	16.95	22.80	11.10	14.10
Energy loss (kWh)	2.20	4.60	1.50	3.10	2.80
Loss (%)	22.40	40.70	9.90	41.90	29.80
Out Min (C)	44.00	38.00	38.00	59.00	39.00
Out Mean (C)	49.00	43.00	48.00	64.00	44.00
Out Max (C)	60.00	49.00	59.00	70.00	62.00
In Min (C)	15.00	14.00	13.00	18.00	12.00
In Mean (C)	21.00	20.00	24.00	24.00	15.00
In Max (C)	31.00	29.00	41.00	32.00	21.00
Amb Min (C)	14.00	13.00	13.00	18.00	12.00
Amb Mean (C)	20.00	20.00	25.00	25.00	17.00
Amb Max (C)	28.00	31.00	43.00	34.00	22.00
Total #events	21.00	26.00	37.00	10.00	2.00
Large #events	4.00	8.00	9.00	2.00	2.00
Small #events	17.00	18.00	28.00	8.00	0.00
Packet loss (%)	0.07	0.00	1.81	11.39	0.35

3 Hot water usage event summary

3.1 Large events

The following is a summary of events *larger* than 10 litres.

Number of events	4
Total volume of water consumed	164 litres
Total energy consumed	6.7 kWh
Total estimated cost	R10.1

	Start time	Volume (l)	Duration	Avg temperature	Est energy (kWh)	Est cost (R)
10	18:57:34	74.21	5.00	52.4	2.67	4.01
13	22:00:33	24.21	2.02	57.0	1.07	1.60
16	22:25:34	55.33	5.00	59.2	2.55	3.82
17	22:44:34	10.22	1.98	56.5	0.45	0.67

Table 1: List of events larger than 10 litres

3.2 Small events

The following is a summary of events *smaller* than 10 litres.

Number of events	17
Total volume of water consumed	22.1 litres
Energy consumed	0.9 kWh
Estimated cost	R1.36

	Start time	Volume (l)	Duration	Avg temperature	Est energy (kWh)	Est cost (R)
1	03:01:32	0.72	1.00	51.0	0.03	0.04
2	07:19:32	4.60	2.00	51.0	0.19	0.28
3	07:23:32	0.61	1.00	53.0	0.03	0.04
4	08:05:32	1.27	2.00	54.5	0.06	0.08
5	10:34:32	0.26	2.02	47.0	0.01	0.01
6	11:41:32	0.32	2.02	50.0	0.01	0.02
7	12:31:32	0.19	1.00	50.0	0.01	0.01
8	13:24:33	0.18	1.00	52.0	0.01	0.01
9	13:43:33	0.43	1.00	53.0	0.02	0.02
11	19:10:33	3.42	1.00	52.0	0.13	0.19
12	21:06:33	0.29	1.02	49.0	0.01	0.01
14	22:03:34	6.13	1.00	57.0	0.26	0.40
15	22:16:34	0.89	1.98	57.5	0.04	0.06
18	22:56:34	0.99	2.00	56.5	0.04	0.06
19	23:00:34	0.72	1.00	57.0	0.03	0.05
20	23:59:33	0.16	1.02	52.0	0.01	0.01
21	01:33:34	0.93	1.00	55.0	0.04	0.06

Table 2: List of events smaller than 10 litres

4 Graphs

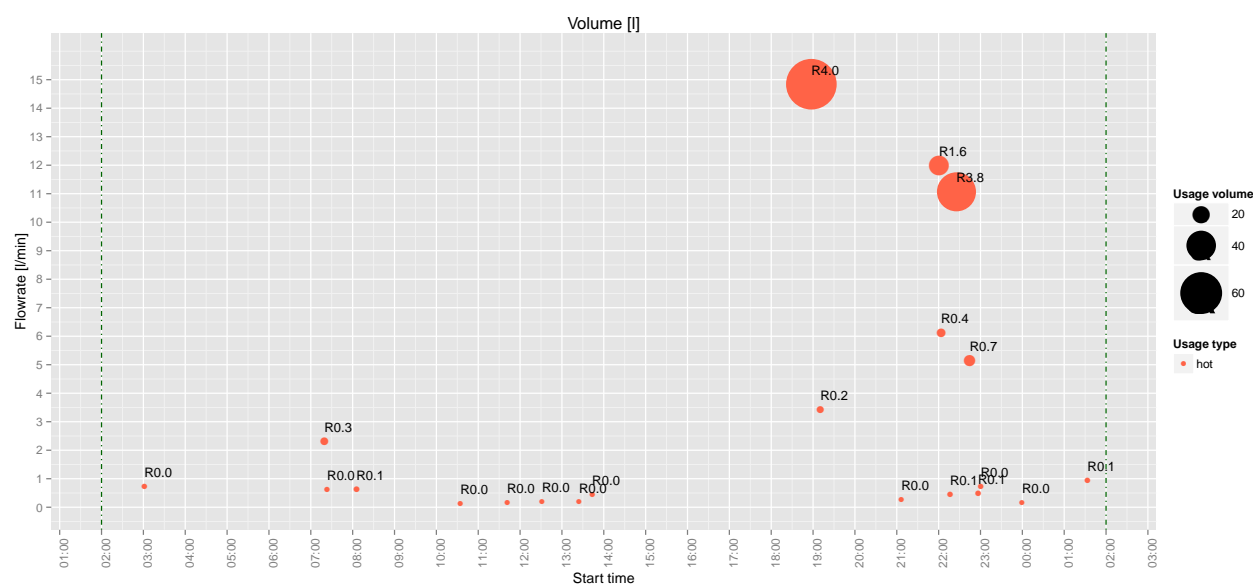


Figure 1: Usage events and volumes

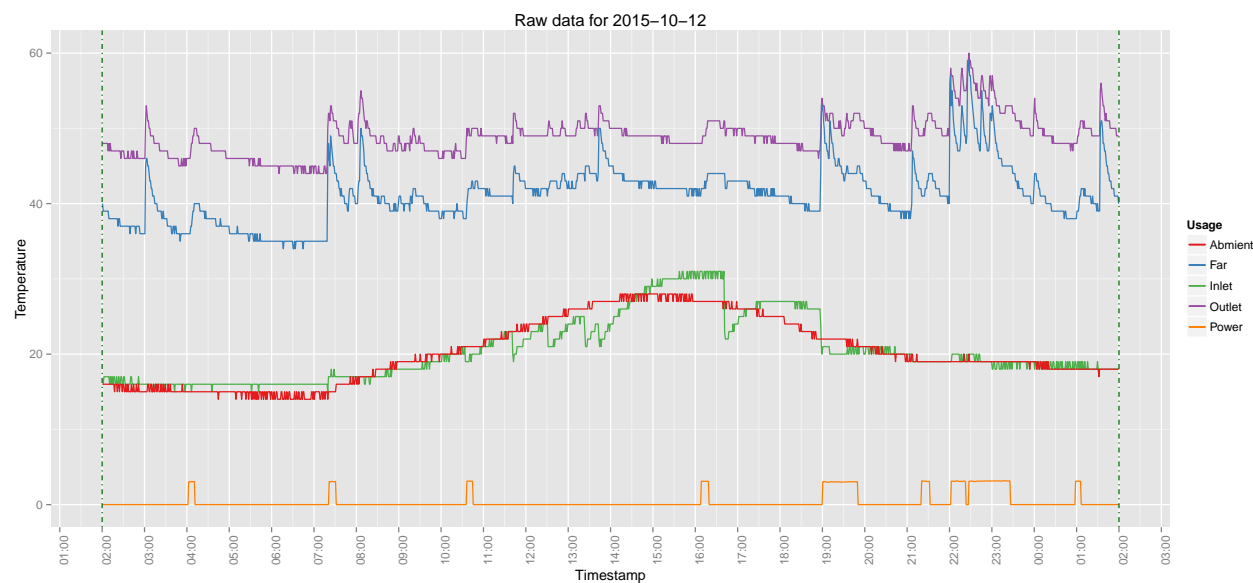


Figure 2: Raw data