Geyser daily report for Sunday, October 11

1 Overview

Total hot water used ..... 266.8 litres
Number of events larger than 10 litres 8
Number of events smaller than 10 litres 15
Total number of events 23

Maximum hot water temperature (geyser setpoint) ..... 48.0 °C
Average hot water temperature ..... 43.0 °C
Coldest geyser outlet temperature ..... 38.0 °C
Average ambient temperature at geyser ..... 20.0 °C

Electrical energy consumed ..... 12.1 kWh
Effective energy consumed ..... 8.4 kWh
Standing losses ..... 3.7 kWh
Percentage energy wasted ..... 30.6 %
Estimated cost of electricity ..... R 18.15
Estimated cost of standing losses ..... R 5.55

2 Other participant comparison

Your Geyser ID is 106

ID	104.00	106.00	107.00	109.00	112.00
Total Volume (l)	40.30	266.80	135.60	79.30	62.90
Electrical energy (kWh)	3.60	12.10	6.60	6.70	6.90
Effective energy (kWh)	1.60	8.40	4.30	4.10	3.10
Est cost (R)	5.40	18.15	9.90	10.05	10.35
Energy loss (kWh)	2.00	3.70	2.30	2.60	3.80
Loss (%)	55.60	30.60	34.80	38.80	55.10
Out Min (C)	41.00	38.00	39.00	60.00	37.00
Out Mean (C)	46.00	43.00	45.00	63.00	44.00
Out Max (C)	54.00	48.00	52.00	69.00	62.00
In Min (C)	16.00	13.00	13.00	18.00	12.00
In Mean (C)	23.00	20.00	24.00	23.00	15.00
In Max (C)	32.00	31.00	43.00	32.00	22.00
Amb Min (C)	14.00	13.00	12.00	18.00	11.00
Amb Mean (C)	20.00	20.00	24.00	24.00	17.00
Amb Max (C)	29.00	30.00	43.00	35.00	24.00
Total #events	3.00	23.00	7.00	15.00	3.00
Large #events	1.00	8.00	3.00	2.00	1.00
Small #events	2.00	15.00	4.00	13.00	2.00
Packet loss (%)	0.28	0.35	1.18	11.25	0.56

3 Hot water usage event summary

3.1 Large events

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

Number of events 8
Total volume of water consumed ..... 241.4 litres
Total energy consumed ..... 7.7 kWh
Total estimated cost R11.48

	Start time	Volume (l)	Duration	Avg temperature	Est energy (kWh)	Est cost (R)
1	06:52:39	10.63	3.00	42.33	0.32	0.48
8	09:23:39	29.51	12.00	47.82	0.97	1.46
12	11:02:39	16.71	4.00	47.75	0.52	0.78
13	11:07:39	11.54	2.00	48.00	0.38	0.56
14	11:10:39	47.68	13.00	48.00	1.55	2.32
16	11:30:39	38.94	11.00	47.60	1.24	1.87
19	19:06:39	42.27	18.98	43.32	1.23	1.84
21	20:48:39	44.18	4.00	46.25	1.45	2.18

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 15
Total volume of water consumed ..... 25.3 litres
Energy consumed ..... 0.8 kWh
Estimated cost R1.17

	Start time	Volume (l)	Duration	Avg temperature	Est energy (kWh)	Est cost (R)
2	07:04:39	2.82	3.00	43.67	0.09	0.13
3	07:12:39	1.34	2.00	45.00	0.04	0.07
4	07:30:39	0.15	1.00	45.00	0.00	0.01
5	08:00:39	0.29	0.98	45.00	0.01	0.01
6	09:03:39	0.33	1.00	46.00	0.01	0.01
7	09:20:39	0.39	0.98	45.00	0.01	0.01
9	09:38:39	1.22	1.00	47.00	0.04	0.06
10	09:40:38	7.92	4.02	47.50	0.26	0.38
11	09:47:39	1.13	2.00	47.00	0.03	0.05
15	11:25:39	1.13	2.00	48.00	0.03	0.05
17	13:23:38	0.28	1.02	47.00	0.01	0.01
18	16:52:38	3.20	1.02	45.00	0.09	0.13
20	19:49:39	0.12	1.00	43.00	0.00	0.01
22	21:32:39	4.90	2.00	46.00	0.16	0.23
23	22:07:39	0.13	1.00	44.00	0.00	0.01

Table 2: List of events smaller than 10 litres

4 Graphs

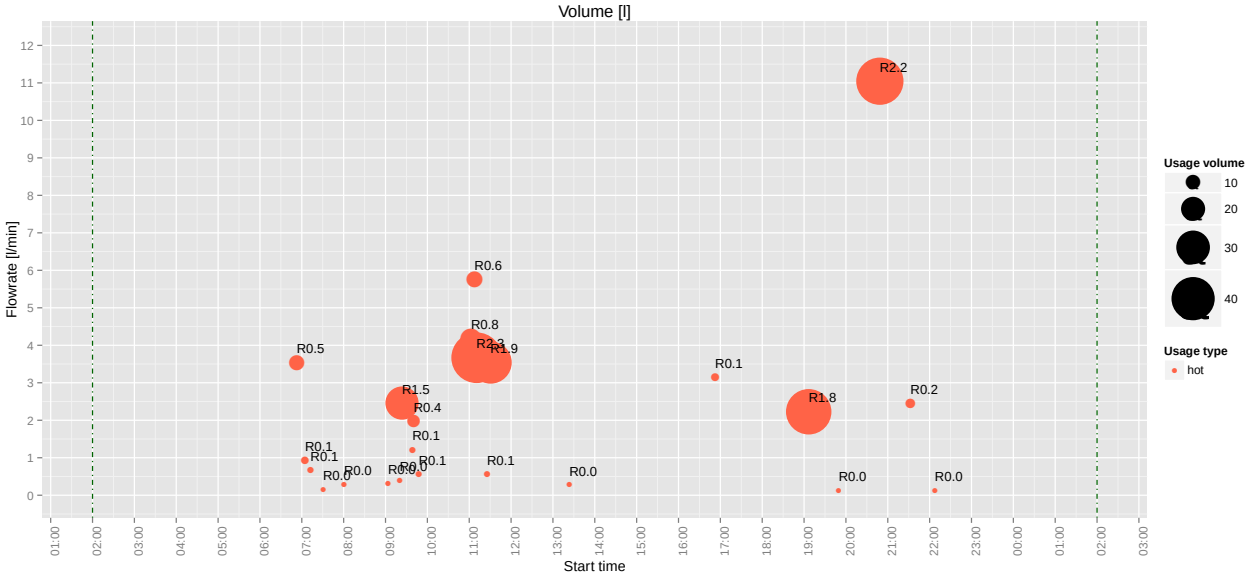

Figure 1: Usage events and volumes

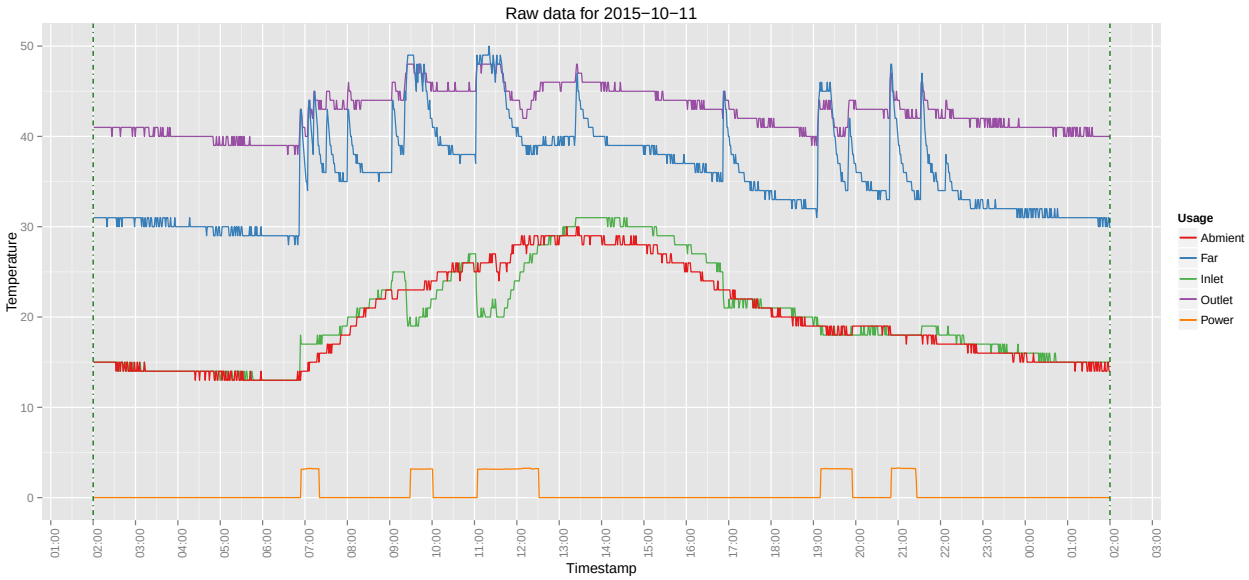

Figure 2: Raw data