

SEWA ecoBETA WATER SAVINGS PROJECT ANALYSIS

14-Apr-15

Project sponsors:

SEWA

SHARJAH MUNICIPALITY

ecoBETA DENMARK

MEET ENVIRONMENTAL SOLUTIONS

NOTES TO SPREADSHEET

Items in blue can be changed and all calculations will automatically update

Items in black cannot be changed

IG = Imperial Gallon

1 IG = 4.5L

DATA PROVIDED BY SEWA

NO	DATE	Before Installation	
		READING	CONSUMPTION(IG)
1	28/10/2014	6367366	
2	29/10/2015	6378433	11067
3	30/10/2014	6391092	12659
4	11-02-2014	6419747	28655
5	11-03-2014	6432883	13136
6	11-04-2014	6443434	10551
7	11-05-2014	6455729	12295
8	11-06-2014	6466960	11231
9	11-09-2014	6495734	28774
10	11-12-2014	6532769	37035
11	13/11/2014	6543702	10933
12	17/11/2014	6588503	44801
13	18/11/2014	6599695	11192
14	19/11/2014	6612102	12407
15	20/11/2014	6624471	12369
16	23/11/2014	6656449	31978
17	24/11/2014	6670155	13706
18	25/11/2014	6684456	14301
19	27/11/2014	6711374	26918

NO	DATE	After Installation	
		READING	CONSUMPTION(IG)
1	03-01-2015	7342224	
2	03-02-2015	7348111	5887
3	03-03-2015	7351598	3487
4	03-04-2015	7355443	3845
5	03-05-2015	7357620	2177
6	03-08-2015	7367943	10323
7	03-09-2015	7371474	3531
8	03-10-2015	7376856	5382
9	03-11-2015	7380945	4089
10	03-12-2015	7382378	1433
11	15/03/2015	7390359	7981
12	16/03/2015	7394738	4379
13	17/03/2015	7399883	5145
14	18/03/2015	7403619	3736
15	19/03/2015	7406834	3215
16	22/03/2015	7415955	9121
17	23/03/2015	7419951	3996
18	24/03/2015	7423075	3124
19	25/03/2015	7427406	4331

20	30/11/2014	6743328	31954	20	26/03/2015	7430343	2937
21	12-01-2014	6761701	18373	21	29/03/2015	7439234	8891
22	12-07-2014	6806626	44925	22	30/03/2015	7443579	4345
23	12-08-2014	6816727	10101	23	31/03/2015	7451138	7559
24	12-09-2014	6825206	8479	24	04-01-2015	7455574	4436
25	12-10-2014	6838108	12902	25	04-02-2015	7458379	2805
26	12-11-2014	6848119	10011				
27	14/12/2014	6884153	36034				
28	15/12/2014	6893642	9489				
29	16/12/2014	6905787	12145				
30	17/12/2014	6916322	10535				
31	18/12/2014	6929597	13275				
32	21/12/2014	6957279	27682				
33	22/12/2014	6968568	11289				
34	23/12/2014	6981191	12623				
35	24/12/2014	6995997	14806				
36	25/12/2014	7011488	15491				
37	28/12/2014	7048804	37316				
38	29/12/2014	7054102	5298				
39	30/12/2014	7059485	5383				
40	31/12/2014	7065262	5777				
41	01-04-2015	7072629	7367				
42	01-05-2015	7077644	5015				
43	01-06-2015	7084603	6959				
44	01-07-2015	7088682	4079				
45	01-08-2015	7096796	8114				
46	01-11-2015	7105660	8864				
47	01-12-2015	7111192	5532				
48	13/01/2015	7117218	6026				
49	14/01/2015	7122147	4929				
50	15/01/2015	7128390	6243				
51	18/01/2015	7135840	7450				
52	19/01/2015	7141458	5618				
53	20/01/2015	7148007	6549				
54	21/01/2015	7154749	6742				
55	22/01/2015	7160822	6073				
56	25/01/2015	7171964	11142				

57	26/01/2015		7175488	3524
58	27/01/2015		7181963	6475
59	28/01/2015		7188338	6375
60	29/01/2015		7193007	4669
61		02-01-2015	7205296	12289
62		02-03-2015	7219205	13909
63		02-05-2015	7232117	12912
64		02-08-2015	7241710	9593
65		02-09-2015	7246247	4537
66		02-10-2015	7253793	7546
67		02-11-2015	7263541	9748
68		02-12-2015	7269563	6022
69	15/02/2015		7279934	10371
70	16/02/2015		7283153	3219
71	17/02/2015		7289602	6449
72	18/02/2015		7296205	6603
73	19/02/2015		7300571	4366

Before Installation

TOTAL DAYS	114
TOTAL CONSUMPTION	933.205 IG
AVERAGE DAILY CONSUMPTION	8.186 IG

After Installation

TOTAL DAYS	32
TOTAL CONSUMPTION	116.155 IG
AVERAGE DAILY CONSUMPTION	3.630 IG

WATER SAVINGS

DAILY BEFORE	8.186 IG
DAILY AFTER	3.630 IG
DAILY SAVING	4.556 IG
DAILY SAVING %	55,7%

SAVINGS WITH SENSITIVITY TEST

DAILY BEFORE	8.186 IG
DAILY AFTER	3.630 IG
SENSITIVITY TEST AS % OF SAVING	17,0%
ADJUSTED DAILY AFTER	4.247 IG

DAILY SAVING

3.939 IG

DAILY SAVING %

48,1%

SAVINGS PER PERSON (LINKED TO SENSITIVITY TEST)

9. april 2015

Persons at Sharjah Municipality

1662

% of total persons

Estimated Staff

160

10%

Estimated Guests

1502

90%

Daily consumption/person Before

4,9 IG

Daily consumption/person After

2,6 IG

Daily saving/person

2,4 IG