

PROGRESS REPORT – Sentido Vasia Hotels & Resorts

Baseline

In the year 2013 we produced our first edition of environmental policy to show our commitment and set our goals towards sustainability. During the years 2013-2015 and 2015-2017, we kept setting goals and baselines in order to achieve the lowest possible energy consumption. The targets that were set for the period 2015-2017 were:

- achieve and maintain our Gold Travelife for Hotels and Accommodations award
- reduce our energy consumption by 5%
- reduce our water consumption by 5%
- reduce the waste we send to landfill by 5%
- reduce the use of potentially harmful chemicals

From use of cleaning products and pool chemicals by 5%

REDUCTION OF ENERGY CONSUMPTION

To achieve our goal of reducing up to 5% our energy consumption for the period 2015-2017 we used light bulbs with low energy consumption and mostly led lights in all public and accommodation areas, replaced some of our old electrical devices with new electrical energy efficient ones, used timers and motion sensors in some buildings for exterior lighting, installed motion detectors and breakers on balcony doors that shut off the power of A/Cs in the rooms, used electronic key cards that shut off the power supply when the guest leaves the room. For heating water we used solar panels and bio-mass burners.

HOTEL "SENTIDO VASIA HOTELS & RESORTS"
Report last updated on: [18-06-2018]

	Occupancy			Totals						Energy consumption per guest						Difference %						Difference % on occupancy months		
	2015	2016	2017	2015		2016		2017		2015		2016		2017		2016-2015		2017-2016		2017-2015		2016-2015	2017-2016	2017-2015
				kW	€	kW	€	kW	€	kW	€	kW	€	kW	€	kW	€	kW	€	kW	€			
January	1	1	1	0	0	0	0	0	0	0,00	0,00	0,00	0,00	0,00	0,00									
February	1	1	1	0	0	0	0	0	0	0,00	0,00	0,00	0,00	0,00	0,00									
March	1	1	1	0	0	0	0	0	0	0,00	0,00	0,00	0,00	0,00	0,00									
April	10827	13259	13112	174669,75	36405,38	287138,3	46742,628	175280,58	30947,544	16,13	3,36	20,15	3,53	13,37	2,36	19,93%	4,62%	-50,72%	-49,36%	-20,68%	-42,46%	18,34%	-1,12%	17,43%
May	18433	16745	17230	261885,65	56304,752	230317,7	39718,414	226602,9	40290,624	14,21	3,05	13,75	2,37	13,15	2,34	-3,29%	-28,78%	-4,58%	-1,44%	-8,03%	-30,63%	-10,08%	2,81%	-6,98%
June	20020	18776	19293	280349,65	59262,512	300652,9	54556,307	258020	45929,74	14,00	2,96	16,01	2,91	13,37	2,38	12,55%	-1,88%	-19,73%	-22,05%	-4,71%	-24,34%	-6,63%	2,68%	-3,77%
July	24575	25465	25152	328876,1	69366,898	340538,7	62231,742	297229,7	55133,662	13,38	2,82	13,37	2,44	11,82	2,19	-0,07%	-15,50%	-13,16%	-11,49%	-13,25%	-28,77%	3,49%	-1,24%	2,29%
August	29031	28934	28992	342958,95	71202,086	339534,9	61860,334	312217,5	57225,83	11,81	2,45	11,73	2,14	10,77	1,97	-0,67%	-14,72%	-8,97%	-8,32%	-9,70%	-24,26%	-0,34%	0,20%	-0,13%
September	19950	18978	19786	217519,5	43483,37	284086,7	50425,924	289752,6	50750,976	10,90	2,18	14,97	2,66	14,64	2,56	27,16%	17,97%	-2,22%	-3,59%	25,55%	15,02%	-5,12%	4,08%	-0,83%
October	14754	15012	15862	175998	34903,43	190748	34542,88	200535,2	36487,062	11,93	2,37	12,71	2,30	12,64	2,30	6,12%	-2,81%	-0,51%	-0,03%	6,64%	-2,84%	1,72%	5,36%	6,99%
November	1	1	1	0	0	0	0	0	0	0,00	0,00	0,00	0,00	0,00	0,00									
December	1	1	1	0	0	0	0	0	0	0,00	0,00	0,00	0,00	0,00	0,00									
Totals	137585	137164	139422	1782257,6	370928,428	1953017,2	350078,227	1759638,48	316765,4378	12,95	2,70	14,24	2,55	12,62	2,27	9,02%	-5,63%	-12,82%	-12,34%	-2,64%	-18,66%	-0,31%	1,62%	1,32%

Using these measures we accomplished to reduce our Power energy consumption up to 2.64%. However this reduction doesn't reach our initial goal on 5%. One reason is that we stopped using so much pellet and we replaced it with oil. That was a decision taken considering both the environment and the cost. Specifically, pellet provides 16.000.000 BTU/units where oil provides only 139.000 BTU/unit, but its system efficiency is 95% instead of 85% of pellet. As long as the environment is concerned, pellet causes the emissions of NO_x, SO_x, volatile compounds, PM_{2,5} and most importantly CO, a strong toxic gas. On the other hand oil produces SO₂, PM and CO₂.

Additionally, hotel's personnel may not be as much involved or informed which lead us to put up more signs and posters in order to support hotel's staff to participate more actively in our effort. Finally, we included more tips on energy reduction in our training material for the training plan of 2018.

REDUCTION OF WATER CONSUMPTION

The goal we set for reducing our water consumption was up to 5%. The main measure for achieving this goal was by using treated waste water for irrigation hence save these amounts of water that would be retrieved otherwise. We have installed flow restrictors and reduced flow pressure for some of our rooms and changed linens and towels every second day.



Energy Management Report

HOTEL "SENTIDO VASIA HOTELS & RESORTS"

Report last amended on [18-06-2018]

	Occupancy			Totals in cubic metres or litres						Water Consumption per Guest in cubic metres or litres						Difference %		
	2015	2016	2017	2015		2016		2017		2015		2016		2017		2016-2015	2017-2016	2017-2015
				m3	€	m3	€	m3	€	m3	€	m3	€	m3	€	m3	m3	m3
January	1	1	1	1	1	1	1	1	1	1,00	1,00	1,00	1,00	1,00	1,00			
February	1	1	1	1	1	1	1	1	1	1,00	1,00	1,00	1,00	1,00	1,00			
March	1	1	1	1	1	1	1	1	1	1,00	1,00	1,00	1,00	1,00	1,00			
April	10827	13259	13112	2743	3072,16	1596	1787,52	2845	3186,4	0,25	0,28	0,12	0,13	0,22	0,24	-47,51%	44,52%	-16,76%
May	18433	16745	17230	3886	4352,32	1686	1888,32	3580	4009,6	0,21	0,24	0,10	0,11	0,21	0,23	-47,76%	51,54%	-1,46%
June	20020	18776	19293	3958	4432,96	2022	2264,64	3975	4452	0,20	0,22	0,11	0,12	0,21	0,23	-54,47%	47,73%	4,04%
July	24575	25465	25152	4463	4998,56	3981	4458,72	4295	4810,4	0,18	0,20	0,16	0,18	0,17	0,19	-16,17%	8,45%	-6,35%
August	29031	28934	28992	5003	5603,36	4473	5009,76	4281	4794,72	0,17	0,19	0,15	0,17	0,15	0,17	-11,48%	-4,69%	-16,71%
September	19950	18978	19786	4402	4930,24	4347	4868,64	3570	3998,4	0,22	0,25	0,23	0,26	0,18	0,20	3,67%	-26,95%	-22,29%
October	14754	15012	15862	3212	3597,44	3676	4117,12	3386	3792,32	0,22	0,24	0,24	0,27	0,21	0,24	11,09%	-14,71%	-1,99%
November	1	1	1	1	1	1	1	1	1	1,00	1,00	1,00	1,00	1,00	1,00			
December	1	1	1	1	1	1	1	1	1	1,00	1,00	1,00	1,00	1,00	1,00			
Totals	137585	137164	139422	27667	30987,04	21781	24394,72	25932	29043,84	0,20	0,23	0,16	0,18	0,19	0,21			

Using the measures mentioned above, we managed to reduce water consumption up to 5,26%, just a little over our initial goal of 5%. Our plan is to keep reducing our water consumption by installing flow restrictors in all rooms and facilities.

REDUCING LANDFILL WASTE

Our goal was to reduce waste that ends up in the landfill by increasing separation of waste and send them for recycle. For achieving this we installed recycling bins in all outside public areas and encouraged guests and staff to recycle. We were glad to find that we increased recycling in all waste categories for both 2016 and 2017. But unfortunately, we did not manage to reach our 5% goal.



Waste Management Report

HOTEL "SENTIDO VASIA HOTELS & RESORTS"

Report last updated on [18-06-2018]

WASTES	Occupancy			recycling category	Totals annual recycling			Recycling Difference %		
	2015	2016	2017		2015 total (tn)	2016 total (tn)	2017 total (tn)	2016-2015	2017-2016	2017-2015
January	1	1	1	COOKING OILS	9,65	8,4	9,7			
February	1	1	1	METALS	6,20	3,89	2,56	4,55%	-3,71%	1,01%
March	1	1	1	COPPERS	0,03	0,116	0,05			
April	10827	13259	13112	ALUMINIUM	0,02	1,69	0,40			
May	18433	16745	17230	STAINLESS	0,13	0,13	0,16			
June	20020	18776	19293	ELECTRICAL APPLIAI	0,10	2,195	0,4			
July	24575	25465	25152	BATTERIES	0,43	0,35	0,03			
August	29031	28934	28992	GLASS	27,00	27,45	27,9			
September	19950	18978	19786	PAPERS	8,31	8,29	8,42			
October	14754	15012	15862	CANS	4,19	3,8	3,6			
November	1	1	1	ORGANIC WASTES	49,98	51,7	52,3			
December	1	1	1	PLASTICS	1,74	4,57	4,82			
TOTAL	137585	137164	139422		107,78	112,575	110,337			
WASTES (kg/gn)					0,78	0,82	0,79			

In the last couple of years, we managed to increase recycling up to 1.01%. With steady pace and proper information, we want to keep on increasing the recycling percentage of our hotel. Since it is key to separate waste from the source, our plan is to increase recycling rate by encouraging guests to separate waste produced inside their rooms (such as water bottles, shampoo bottles and paper). The reason we plan to do this is because waste from rooms and indoor facilities is the main production of waste and doesn't show a very clear, predictable pattern compared on occupancy.

REDUCTION OF POOL AND CLEANING CHEMICALS

Our measures for achieving our goal for reducing potentially harmful chemicals were to seek more options on environmentally friendly cleaning products and through dosing pumps, and monitoring pool water quality in order to keep our consumptions on chemicals to an ideal level, avoiding unnecessary wastage.



Waste Management Report

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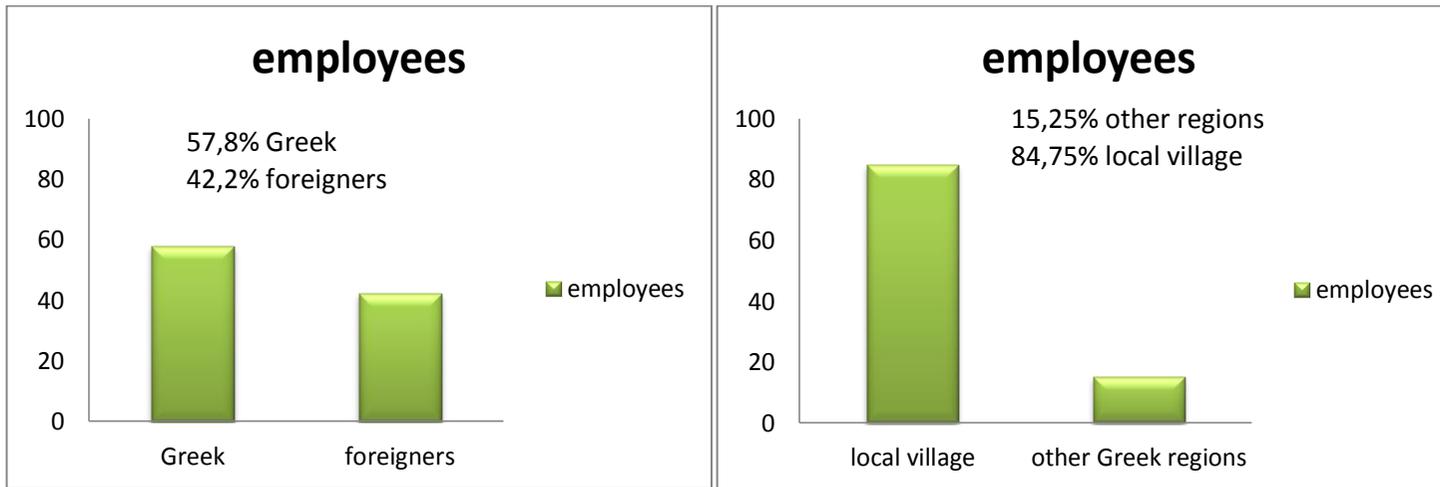
Report last updated on [18-06-2018]

WASTES	Occupancy			Totals annual pool chemicals consumprions			Total annual cleaning products consumprions			Pool Chemical Difference %				
	2015	2016	2017	product substance	2015 total (kg)	2016 total (kg)	2017 total (kg)	product substance	2015 total (kg)	2016 total (kg)	2017 total (kg)	2016-2015	2017-2016	2017-2015
January	1	1	1	Hydrochloric acid 32%	1386,44	1382,2	1425	hygiene premises cleaner	768,95	905	1050	8,01%	-10,80%	-1,93%
February	1	1	1	sodium hypochlorite	10437,96	11605,51	10358,93	disinfectant	41	56	28			
March	1	1	1	algaecide	269,54	284,75	259,85	descaler	1969,8	1645	1540			
April	10827	13259	13112	triplex tablets	554,20	500	545,6	grease cleaner	346,21	430	620	Cleaning Products Difference %		
May	18433	16745	17230	flocculant	86,40	87,5	86,3	dish cleaners	2920	2550	3020	2016-2015	2017-2016	2017-2015
June	20020	18776	19293	oxygen tablets	120,80	90	104	dishwasher dryers	598	620	460			
July	24575	25465	25152	ganules oxygen shock	88,20	90,5	87,9	general use cleaner	722,8	655	756	-4,79%	3,96%	-0,65%
August	29031	28934	28992	dichloro granules 55%	388,00	415,85	387	alkaline cleaner	433,8	560	380			
September	19950	18978	19786	pH minor	45,96	44,2	44,8	chlorine tablets	1	1	1	total chemical difference %		
October	14754	15012	15862	pH plus	51,70	52,6	50,9					2016-2015	2017-2016	2017-2015
November	1	1	1									3,21%	-6,85%	-2,58%
December	1	1	1											
TOTAL	137585	137164	139422		13429,20	14553,11	13350,28		7801,56	7422	7855			
WASTES (kg/gn)					0,098	0,106	0,096		0,057	0,054	0,056			

Using these measures, we managed to achieve a total reduction up to 2.58% without compromising pool water quality and cleanliness. We plan to review additional measures to be taken in order to achieve 5% reduction or greater.

SUPPORTING INTERNATIONAL LABOR AND HUMAN RIGHTS

We constantly trying to improve our working conditions and never trespass labor and human rights of our employees. It can be shown form the ration of men and women working in our business, where 48% of our workers are women and 52% are men, almost the same percentage. Also 57.8% are Greek workers and 42.2% are foreigners and 84.75% from Greeks are from local village and 15.25% are from other regions. All the legislations are been followed for human rights.



Furthermore, we continue communicating and working with local people. It can be verified from our suppliers where 95% of which are local and 5% are suppliers from the nearby villages.

