



Horwath HTL

Hotel, Tourism and Leisure

Asia Pacific Sustainability Trends 2021

In collaboration with



GREENVIEW



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Introduction

The annual Asia Pacific Sustainability Trends 2021 report, published for the sixth consecutive year, presents the results of the 2021 Horwath HTL Asia Pacific Hotel Industry survey.

A total of 2,356 hotels across 15 countries participated by contributing information about sustainability practices undertaken in their hotels along with 2020 calendar year utility data. This year's report, with five years of historical trends and year-over-year change aims to provide an overall outlook on the average changes in energy and water consumption and costs over the years by country and service type.

Additionally, sustainability practices undertaken by hotels were also analyzed to understand implementation status at the country level. The report highlights the top common practices among hotels by country within the following categories: energy management, waste management, water conservation, health and wellness, back of house, communications, staff involvement, community involvement, climate action and certifications. Innovative best practices such as renewable energy and water recycling are also increasing in prevalence in the region.

Continually spreading of awareness and scaling of solutions worldwide will enable further advancement in this region. We are proud to support the industry's effort to benchmark best practices in sustainability, with the results of this report contributing to the Cornell Hotel Sustainability Benchmarking study and the Greenview Hotel Footprinting Tool, the freely available initiatives for hoteliers to understand how their properties are positioned in sustainability.

We would like to acknowledge and thank the Honorary Advisory Board for the [Horwath HTL Annual Hotel Industry Surveys](#) and the supporting Country Hotel Associations for their participation and strong support.



Eric Ricaurte
Founder & CEO
Greenview



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Managing Director
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Overview

Green shoots in the tourism industry that were wrecked by Covid-19 in 2020 are finally showing. According to the World Tourism Organisation (UNWTO) Tourism Recovery Tracker, year-on-year travel sentiment has increased by 29%. On the hotel front, though hotel bookings in November 2021 were still -42% of what they were in November 2019, there has been improvement compared to November 2020. Although the road ahead is still long, such progress is comforting for an industry that is battle-worn.

Looking back at the industry's adaptations and innovations in the last year, the face of tourism and hospitality has changed dramatically. While we tackle the pandemic, we must not forget the backdrop of climate change. 2021 has been a landmark year for sustainable tourism. Global industry organisations and travellers alike have acknowledged that this black swan event has given us the opportunity to build back better and consume more mindfully going forward. The understanding that sustainability encompasses both social and environmental has also entered common lexicon.

To that effect, UNWTO placed the spotlight on the social aspect of sustainability through just transition – by dedicating World Tourism Day 2021 to Inclusive Growth . It hopes to remind everyone that behind every tourism statistic is a human face. This is particularly important to remember as we ponder ethical growth and recovery for our industry. Tourism workers in least-developed countries are often from vulnerable populations that have been hardest hit by the pandemic and stand to lose the most in climate change too.

The United Nations Environment Programme (UNEP) and the World Travel and Tourism Council (WTTC) launched the Net Zero Roadmap for Travel and Tourism at the UN Climate Conference in Glasgow (COP26). It made an urgent five-step call to action that tourism businesses, including hotels, are recommended to take:

1. Set the right baselines and science-based emission targets now to achieve individual and sector 2030 & 2050 goals
2. Monitor and report progress
3. Collaborate within and across industries
4. Provide finance and investment required for the transition
5. Raise awareness and build capacities on climate.

The Sustainable Hospitality Alliance went a step further to push for the concept of net positive hospitality through its roadmap. It suggests that the industry should not only make 'zero' impact to the environment, but instead also consider what we put back into the natural world to ensure a lasting positive impact on the planet and its people.

On the guest front, the HHS Trend Study Hospitality 2021/22 by Horwath HTL found that post-pandemic, guests are even more cognizant of sustainability. They are voting with their dollar now with 63% of studied guests accepting higher prices for ecologically certified hotels and restaurants. Guests are also aware and willing to stomach higher meal prices in exchange for socially sustainable wages for service staff.

To understand the region's status of riding the aforementioned sustainability trends, we have asked hotels about their sustainability practices undertaken in 2021 in the sixth edition of the Asia Pacific Survey on Hotel Sustainability Trends, including 2020 calendar year utility data for energy and water usage. The 2021 Horwath HTL Asia Pacific Hotel Industry Surveys received data from 2,356 hotels across 15 countries (1,735 full-service and 621 limited service). With each year, the data set, data quality, and uptake in best practices have improved and are likely to continue to become more robust.

Some of the additional and improved questions in this year's survey are:

- **Green energy** - whether Renewable Energy Certificates (RECs), green tariffs, feed-in tariffs, or power purchase agreements are purchased
- **Sustainability certification** - whether the property has been third-party labelled or certified for its sustainability initiatives
- **Food waste** - whether properties donate excess food to community kitchens and if they do not, identify the main reasons that is so
- **Single-use plastics** - whether the property has a plan to eliminate single-use plastics
- **Water efficiency** - what percentage of faucets are automatic sensor touchless
- **Seafood purchases** - what percentage of the property's seafood purchases are certified sustainable
- **F&B purchases** - what percentage of the property's F&B purchases (by spend) are fair trade items
- **Air quality** - whether the property has an air purification system or offers portable air purifiers in guestrooms for hygiene and safety purposes

We then calculated the greenhouse gas (carbon) emissions of the hotels using the energy data, producing the metrics according to the same methodology used in the Cornell Hotel Sustainability Index.





Survey Accuracy

The benchmarking data presented offers users, by and large, a baseline reference on the operational performance and prevalence of practices among hotels in each category. Great emphasis has been placed on presenting accurate benchmarks, and the following fundamentals abided in the derivation of results.

Cost and Usage Variance

Cost and usage metrics vary widely across properties and are determined by several factors, as some figures reported from utility invoices will include large facility components adjacent to but separate from the property's actual operations.

Likewise, data may be underreported or allocated disproportionately. We used several levels of validity testing to remove outliers and inaccurate data; however, we must acknowledge that certain outliers may always exist and be valid data under nuanced circumstances. Finally, the hotels in each country data may vary each year, and therefore, the comparisons do not represent like-for-like comparisons.

Requisite Sample Size

Each average benchmark figure will only be presented if the number of respondents is more than ten percent of the total respondents in the respective column group, or \geq five respondents overall. Anything less than ten percent/five respondents will be shown as "-" or "N/A".

Overall Respondents by Country

Country	Full Service	Ltd Service	Grand Total
Australia	104	25	129
China	1,059	356	1,415
India	21	11	36
Indonesia	136	100	236
Japan	71	19	90
Korea	15	9	24
Malaysia	58	15	73
Maldives	17	-	17
Myanmar	8	-	8
Philippines	12	18	30
Singapore	62	16	78
Thailand	123	44	167
Vietnam	39	5	44
Total	1,725	618	2,343

**Data received from Cambodia & Laos were not included due to lack of minimum sample size*



Key Findings

Trends in energy consumption and cost

The impact of the Covid-19 pandemic proved to be an extraordinary shock to the global energy system with the drop in demand for energy consumption. Due to the lockdown measures implemented throughout the countries and the impact on the hospitality industry, a significant reduction of energy consumption and cost was recorded among hotels from all the reported Asia Pacific countries for the 2020 calendar year utility data.

However, the demand for energy consumption is recovering steadily after almost 2 years into the pandemic as lockdown measures softened, amidst new variants of concern declared from time to time rewriting the timetable. Hence, the energy consumption reported by hotels for the calendar year 2020 may not be an accurate representation of hotel performance nor ideal to understand the trends in consumption.

Taking this into consideration while analysing data as available submitted by hotels for the calendar year 2020, a 5-year trends table has been populated to provide an overall outlook on the average changes in energy consumption per square meter and energy cost per square meter over the years by country and service type. Based on Table 2 and Table 3 below, regardless of significant reduction in average changes in energy consumption and cost from the year 2019 to 2020, a declining trend in energy consumption and cost is also noticeable from the year 2016 to 2019 for most of the countries. Hence, this indicates hotels' power in driving reductions in their energy consumption.

Due to the discrepancies in the number of months that the hotels were in operation in 2020 and the submitted data set largely comprising of hotels with less than 12 months of operating period, all the energy data received for less than 12 months were annualized prior to the analysis and tabulation of trends to ensure a fair comparison of energy consumption and cost changes over the years.

Table 2: Y-o-y and five-year average change for energy consumption per square meter by country and service type

Country	Service Type	2016-17	2017-18	2018-19	2019-20	2016-2020
Australia	All Hotels	12.2%	-5.6%	-0.7%	-33.2%	-29.7%
	Full Service	1.4%	0.4%	-6.0%	-32.0%	-35.0%
	Limited Service	6.5%	-10.6%	32.1%	-32.9%	-15.7%
China	All Hotels	10.9%	-1.5%	1.2%	-24.7%	-16.7%
	Full Service		-1.4%	1.9%	-25.1%	
	Limited Service		4.5%	-19.8%	8.7%	
India	All Hotels	-8.1%	-0.9%	-0.1%	-33.8%	-39.7%
	Full Service	-19.5%	10.8%	-23.0%	-20.3%	-45.3%
	Limited Service	28.6%	-11.5%	25.2%	-50.6%	-29.6%
Indonesia	All Hotels	2.0%	2.0%	-7.2%	-28.1%	-30.6%
	Full Service	3.6%	0.3%	-2.3%	-32.3%	-31.5%
	Limited Service	15.2%	-5.2%	-7.7%	-17.3%	-16.6%
Japan	All Hotels	-3.6%	3.7%	-22.5%	-36.0%	-50.5%
	Full Service	3.8%	-3.7%	-11.8%	-39.5%	-46.7%
	Limited Service				-28.5%	
Korea	All Hotels	6.8%	5.1%	-20.8%	-15.0%	-24.5%
	Full Service	29.9%	-12.7%	-7.6%	-12.0%	-7.8%
	Limited Service	17.9%	8.6%	-12.5%	-50.8%	-44.9%
Malaysia	All Hotels	5.5%	-6.8%	-1.0%	-36.9%	-38.6%
	Full Service	6.5%	-7.7%	2.8%	-41.8%	-41.2%
	Limited Service	-13.7%	16.5%	-10.2%	-8.3%	-17.2%
Maldives	All Hotels	-19.9%	-40.2%	-59.1%	-58.2%	-68.1%
	Full Service	-19.9%	-40.2%	-59.1%	-58.2%	-68.1%
Philippines	All Hotels	-20.2%	-18.2%	8.5%	-42.0%	-59.0%
	Full Service	-38.2%	15.0%	-1.8%	-55.7%	-69.0%
	Limited Service		-71.9%	34.7%	-31.2%	
Singapore	All Hotels	2.7%	-1.8%	-4.9%	-18.3%	-21.6%
	Full Service	2.6%	-2.7%	-3.7%	-19.2%	-22.3%
	Limited Service		-0.2%	-23.5%	-2.3%	
Thailand	All Hotels	13.7%	-3.8%	-3.4%	-56.6%	-54.2%
	Full Service	10.1%	-3.3%	-7.1%	-51.1%	-51.6%
	Limited Service	10.6%	2.8%	12.9%	-57.4%	-45.4%

Table 3: Y-o-y and five-year average change for energy cost per square meter by country and service type

Country	Service Type	2016-17	2017-18	2018-19	2019-20	2016-2020
Australia	All Hotels	10.5%	25.8%	-8.1%	-25.0%	-4.1%
	Full Service	12.2%	25.6%	-8.1%	-31.3%	-11.1%
	Limited Service	4.3%	3.7%	-11.7%	11.6%	6.6%
China	All Hotels	-9.7%	3.5%	-56.6%	54.1%	-37.6%
	Full Service		4.4%	-57.4%	56.4%	
	Limited Service		3.3%	-38.0%	38.9%	
India	All Hotels	5.5%	18.1%	-12.2%	-48.3%	-43.5%
	Full Service	-3.3%	22.5%	-24.9%	-39.9%	-46.6%
	Limited Service	20.9%	13.3%	16.7%	-62.8%	-40.5
Indonesia	All Hotels	-6.2%	-5.5%	-3.9%	-28.5%	-39.0%
	Full Service	-4.9%	-5.5%	-3.9%	-28.5%	-39.0%
	Limited Service	-8.3%	-11.1%	3.3%	-28.1%	-39.5%
Japan	All Hotels	0.6%	15.7%	-11.3%	-30.5%	-28.2%
	Full Service	0.6%	15.7%	-7.0%	-32.4%	-26.7%
	Limited Service				17.6%	
Korea	All Hotels	14.3%	0.7%	-1.9%	-4.1%	8.3%
	Full Service	2.5%	1.8%	-15.8%	8.8%	-4.3%
	Limited Service	-1.3%	21.4%	14.5%	-34.0%	-9.5%
Malaysia	All Hotels	24.3%	-3.9%	-13.9%	-32.8%	-30.8%
	Full Service	38.9%	-22.8%	7.4%	-37.8%	-28.3%
	Limited Service		24.9%	-37.6%	-20.7%	
Maldives	All Hotels	26.3%	57.4%	-39.4%	-65.5%	-58.5%
	Full Service	26.3%	57.4%	-39.4%	-65.5%	-58.5%
Philippines	All Hotels	31.0%	-6.9%	4.1%	-35.7%	-18.3%
	Full Service	12.1%	3.1%	-6.2%	-35.5%	-30.1%
	Limited Service		-53.2%	53.1%	-32.4%	
Singapore	All Hotels	-10.2%	11.8%	-2.5%	-20.6%	-22.3%
	Full Service	-8.2%	11.9%	-0.7%	-23.3%	-21.7%
	Limited Service	-11.1%	-7.0%	-3.5%	1.9%	-18.6%
Thailand	All Hotels	7.8%	-3.0%	-4.4%	-59.9%	-59.9%
	Full Service	3.5%	0.2%	-10.7%	-53.8%	-57.2%
	Limited Service	10.6%	6.0%	-1.4%	-62.9%	-57.1%

Key Findings

Trends in water consumption and cost

Contrary to the drop in energy demand, the pandemic and lockdown measures implemented in the year 2020 had resulted in significantly high consumption of water and the hotel industry is certainly no exception. Typically, the operational nature of the hospitality industry that provides a variety of facilities and functions throughout the year has always been the intense use of water resources for its daily operations. Despite low occupancy and temporary suspensions of hotel operations due to the pandemic, the hospitality industry is still in the position to continuously use huge amounts of water to maintain the lifespans of the water systems.

Therefore, comparing water consumption reported in the year 2020 may not be relevant nor provide an accurate representation of water consumption per occupied room. However, to ensure continuous commitment towards reducing water consumption as lockdown measures are lifted and hotels return to normal operating levels, a 5-year trends table has been populated to report average changes on water consumption and cost per occupied room over the years by country and service type. Based on Table 4 and Table 5 below, the average changes in water consumption and cost are inconsistent through the years although most of the countries recorded reduced water consumption in the year 2019. Countries such as Singapore and Indonesia reported continuous reduction in water consumption per occupied room since 2017 and 2018 respectively.

Table 4: Year over year and five-year average change for water consumption per occupied room by country and service type

Country	Service Type	2016-17	2017-18	2018-19	2019-20	2016-2020
Australia	All Hotels	8.6%	12.0%	-18.6%	17.0%	15.9%
	Full Service	7.8%	5.8%	-10.2%	13.3%	16.1%
	Limited Service	-33.6%	59.2%	-32.9%	22.3%	-13.2%
China	All Hotels	-4.5%	-1.4%	2.5%	6.5%	2.8%
	Full Service		-0.8%	2.7%	7.1%	
	Limited Service		-14.8%	38.3%	28.4%	
India	All Hotels	-1.3%	-13.3%	-14.4%	33.3%	-2.5%
	Full Service	-2.0%	2.4%	-25.0%	64.3%	23.7%
	Limited Service	-1.0%	-38.6%	83.3%	-28.3%	-20.1%
Indonesia	All Hotels	-12.6%	39.6%	-3.5%	-8.2%	8.1%
	Full Service	-8.4%	30.8%	11.0%	-1.3%	31.2%
	Limited Service	2.0%	43.0%	6.3%	21.4%	88.4%
Japan	All Hotels	-10.0%	15.9%	-26.0%	37.6%	6.2%
	Full Service	-4.7%	9.4%	-17.0%	39.5%	20.8%
	Limited Service				12.2%	
Korea	All Hotels	1.0%	-4.3%	-2.8%	123.2%	109.7%
	Full Service	8.0%	4.2%	-20.9%	88.5%	67.9%
	Limited Service	-33.8%	16.5%	32.6%	18.2%	20.8%
Malaysia	All Hotels	2.0%	7.9%	-5.7%	22.6%	27.3%
	Full Service	2.5%	8.9%	-6.3%	31.7%	37.7%
	Limited Service		-30.5%	77.3%	61.4%	
Maldives	All Hotels	-8.3%	22.5%	-20.2%	113.1%	91.0%
	Full Service	-8.3%	22.5%	-20.2%	113.1%	91.0%
Philippines	All Hotels	14.3%	-41.0%	26.3%	73.7%	47.9%
	Full Service	10.4%	11.3%	-12.9%	29.2%	38.2%
	Limited Service		-34.3%	10.0%	137.9%	
Singapore	All Hotels	6.4%	-2.2%	-16.6%	-7.0%	-19.3%
	Full Service	12.5%	0.8%	-18.3%	-10.5%	-17.1%
	Limited Service		11.4%	-7.8%	4.3%	
Thailand	All Hotels	-12.4%	6.7%	-5.2%	42.6%	26.4%
	Full Service	-9.5%	12.0%	-9.4%	61.5%	48.3%
	Limited Service	-13.4%	2.1%	7.4%	60.0%	52.0%

Table 5: Year over year and five-year average change for water cost per occupied room by country and service type

Country	Service Type	2016-17	2017-18	2018-19	2019-20	2016-2020
Australia	All Hotels	35.2%	1.0%	-6.9%	10.6%	40.6%
	Full Service	39.8%	-2.8%	-3.7%	-0.7%	29.9%
	Limited Service	0.2%	36.8%	-33.9%	90.0%	72.2%
China	All Hotels	0.0%	4.3%	-66.3%	204.2%	7.0%
	Full Service		4.4%	-66.5%	210.2%	
	Limited Service		5.4%	-27.1%	123.9%	
India	All Hotels	-35.2%	-3.0%	48.2%	37.8%	28.3%
	Full Service	-38.1%	12.3%	19.9%	58.6%	32.3%
	Limited Service	52.7%	-72.1%	259.2%	-43.0%	-12.8%
Indonesia	All Hotels	19.7%	3.1%	13.4%	-22.1%	9.0%
	Full Service	43.1%	5.1%	0.6%	10.4%	67.1%
	Limited Service	-17.8%	-18.3%	19.7%	13.3%	-9.0%
Japan	All Hotels	-62.1%	138%	-50.0%	90.6%	-14.2%
	Full Service	-62.1%	138%	-35.5%	67.7%	-2.6%
	Limited Service				139.9%	
Korea	All Hotels	57.5%	4.0%	-10.0%	85.1%	172.8%
	Full Service	62.2%	5.7%	-35.3%	155.5%	183.3%
	Limited Service	7.3%	1.5%	37.1%	-4.4%	42.7%
Malaysia	All Hotels	-36.1%	3.4%	6.1%	22.8%	-14.0%
	Full Service	-34.7%	2.6%	18.8%	24%	-1.3%
	Limited Service			48.2%	-31.6%	97.8%
Maldives	All Hotels		-5.8%	-2.9%		
	Full Service		-5.8%	-2.9%		
Philippines	All Hotels	73.6%	-66.3%	-7.8%	152.9%	36.4%
	Full Service	57.2%	-7.3%	-21.1%	51.5%	74.1%
	Limited Service		-83.3%	-5.2%	104.3%	
Singapore	All Hotels	-14.6%	6.3%	-19.8%	-19.0%	-41.0%
	Full Service	-10.3%	9.6%	-23.6%	-20.7%	-40.5%
	Limited Service		-9.0%	33.1%	5.8%	
Thailand	All Hotels	-15.3%	8.6%	-1.7%	51.3%	36.7%
	Full Service	-15.1%	9.3%	-5.6%	82.4%	59.8%
	Limited Service	-20.0%	14.7%	52.0%	1.4%	41.3%

Key Findings

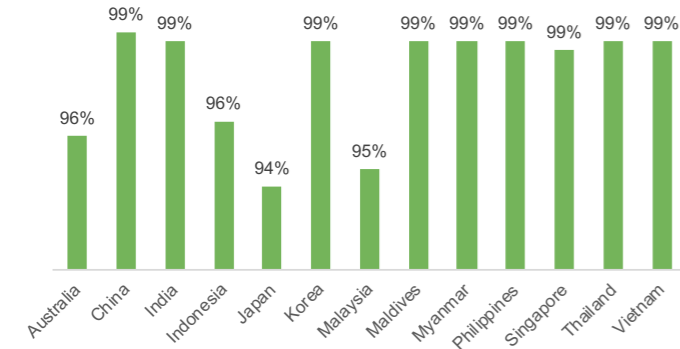
Top Common Attributes by Categories

Practices most common among hotels within the following categories: energy management, waste management, water conservation, health & wellness, back of house, communications, staff involvement, community involvement, climate action & certification.

Energy Management

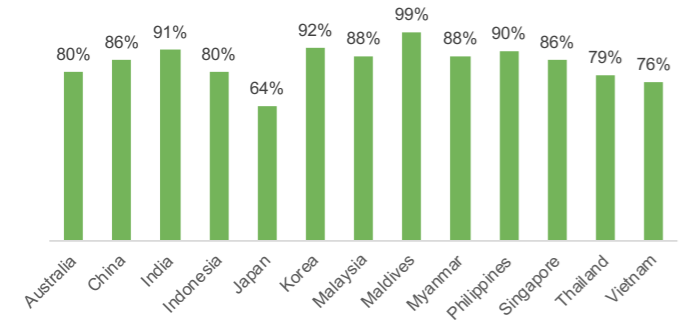
Energy Tracking (99%)

99% of participants confirmed that they track energy in their hotels. All of the participating hotels recorded over 90% prevalence. There is a possibility that hotels that do not track energy consumption are less likely to participate in the survey.



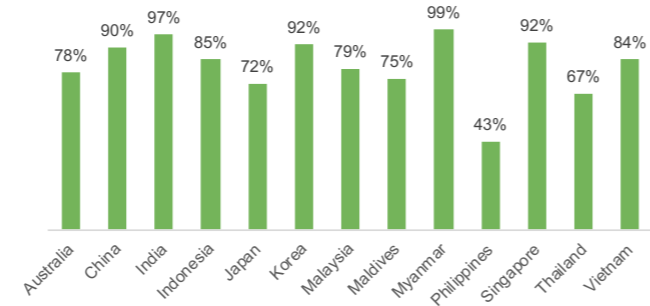
At least 75% Interior Space with LED Light Bulbs (83%)

Around 83% of hotels within the region have over 75% of their hotels' interior space equipped with LED light bulb. Countries such as Japan, Thailand and Vietnam reported less than 80% prevalence for this practice. Maldives on the other hand, reported 99% prevalence thus concluding the possibility of hotels that do not have LED light bulbs in their interior space being less likely to participate in the survey.



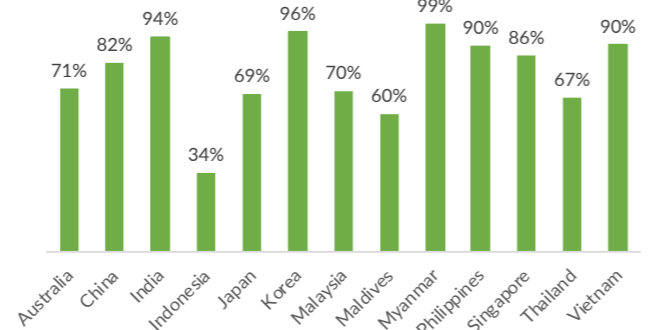
Variable Frequency Drives (79%)

79% of hoteliers have installed frequency/speed drives and/or electronically commutated motors in any HVAC or elsewhere. Countries such as China, India, Korea, Myanmar and Singapore recorded at least 90% prevalence for this practice. 81% of respondents indicated that variable frequency drives (VFDs) are used in water pumps, 79% are used in main air handling units, 61% used in elevators, 55% used in kitchen hoods and 53% used in refrigeration units.



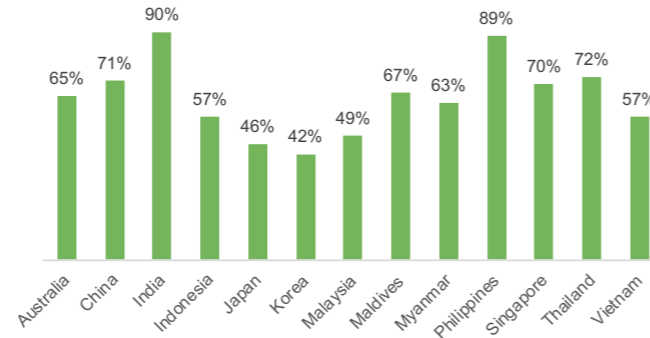
At Least 75% Guestrooms Have Digital Thermostats (78%)

78% of hotels have over 75% of their guestrooms equipped with digital thermostats. Countries such as India, Korea, Myanmar, the Philippines, and Vietnam reported at least 90% prevalence for this practice.



Benchmarking Energy among Peers (64%)

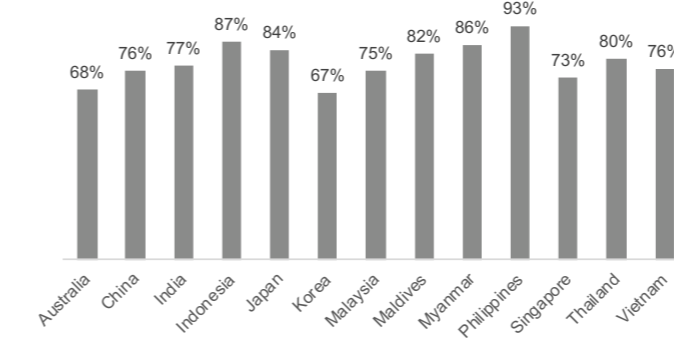
64% of hotels benchmark energy among their peers. India reported 90% prevalence for this practice followed by the Philippines (89%). Countries such as Japan, Korea and Malaysia reported below 50% uptake rate for this practice.



Waste Management

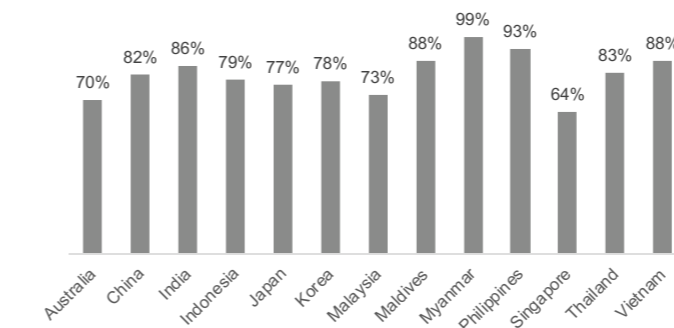
Recycling in Common Areas (81%)

Regionally, only 81% of hotels recycle in all common areas. The Philippines topped the country list with 93% uptake rate for this practice.



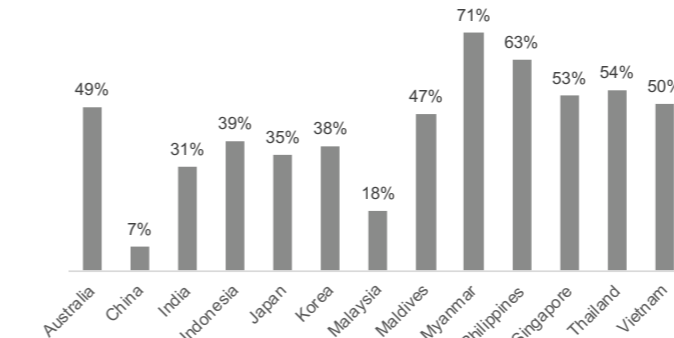
Single-Use Plastics Elimination Strategies (82%)

Nearly 50% of hotels in the region have eliminated single use plastics. Over 80% respondents have plans in place to eliminate single use plastics in guestrooms, food and beverage facilities, Other Guest-Facing Facilities, and back-of-house. Myanmar recorded almost 100% prevalence for this practice concluding that hotels that do not have plans in place to eliminate single use plastics are less likely to participate in the survey.



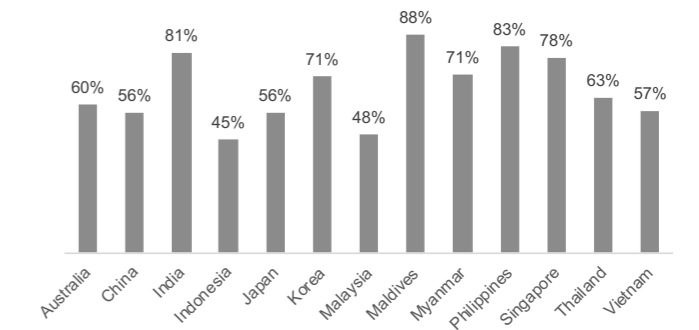
Waste Audit (45%)

On average, 45% of the respondents have conducted waste audit in their hotels. China and Malaysia reported below 25% prevalence for this practice.



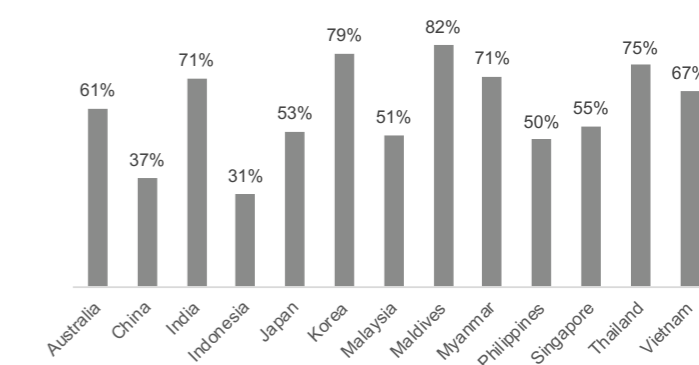
Waste and Recycling Tracking (66%)

Nearly 66% of the respondents in the region track volume of waste and recyclables leaving their hotels, including waste diversion rate on at least a quarterly basis.



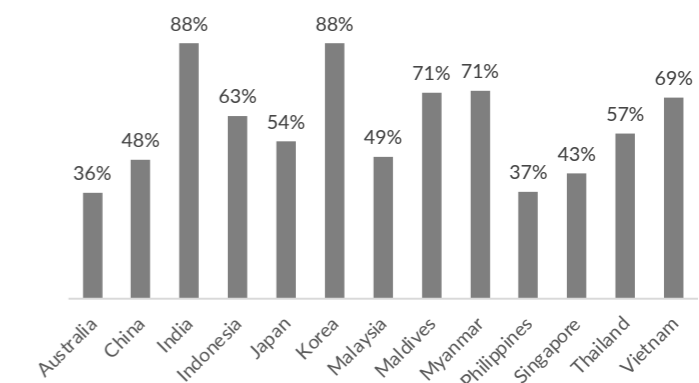
Food Waste Disposal (62%)

Over 60% of participating hotels disposed food waste either by landfill/incinerator (35%), on-site waste digester machine (13%), on-site compost (31%), off-site compost/organic waste treatment facility (36%) or off-site animal feed (40%). Generally, all participating countries reported at least 50% prevalence for this practice except China (37%) and Indonesia (31%).



Food Waste Generated Measured (59%)

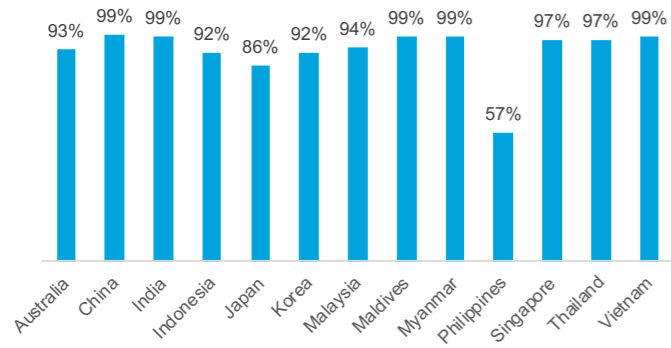
59% measured food waste generated in their hotels. India and Korea recorded 88% prevalence for this practice. Additionally, around 60% of participating hotels implemented food waste prevention strategies such as training, adjusting portion size, redesigning menu, and changing size of serving vessel.



Water Conservation

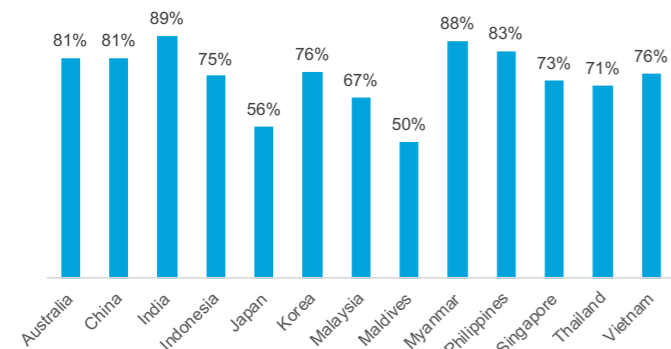
Water Tracking (94%)

Almost all participating hotels recorded over 90% uptake rate for this practice except for Japan (86%) and the Philippines (57%), resulting in the average prevalence of 94%. We recognized that hotels that do not track water consumption are less likely to participate in the survey.



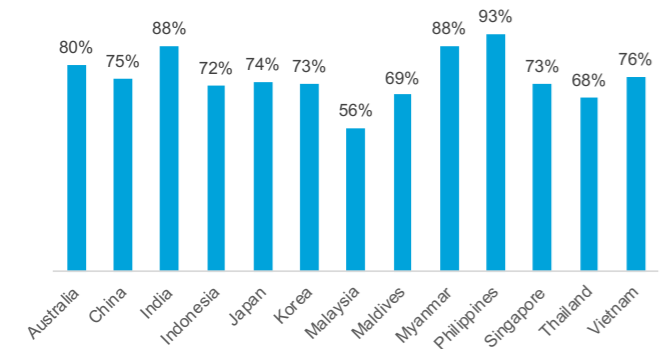
At Least 75% Low Flow Toilets (74%)

74% of participating hotels have low-flow or dual flush for over 75% of guestroom toilets aimed to conserve water.



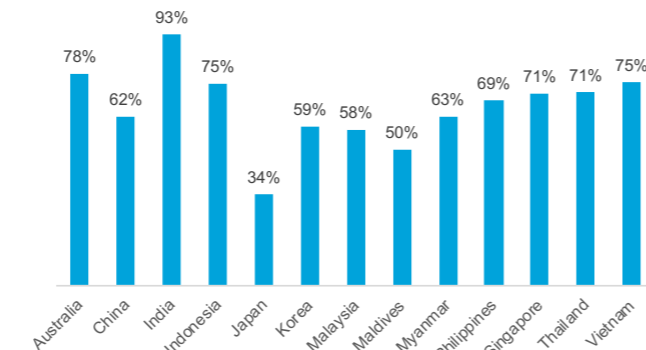
At Least 75% Efficient Showerheads (71%)

On average, 71% of participants confirmed over 75% of their guestroom toilets are equipped with low-flow showerheads. Countries such as Australia, India, Myanmar, and the Philippines reported at least 80% prevalence for this practice.



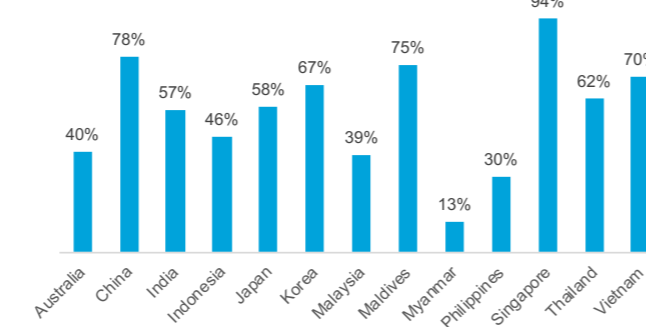
At Least 75% Efficient Faucets (64%)

Nearly 65% of hotels have low-flow aerators for over 75% of the guestroom faucets. India recorded 93% uptake rate for this practice, whereas Japan recorded 34%.



Water Sub-Metering (56%)

56% have water consumption sub-meters in various areas of their hotels.



Health & Wellness

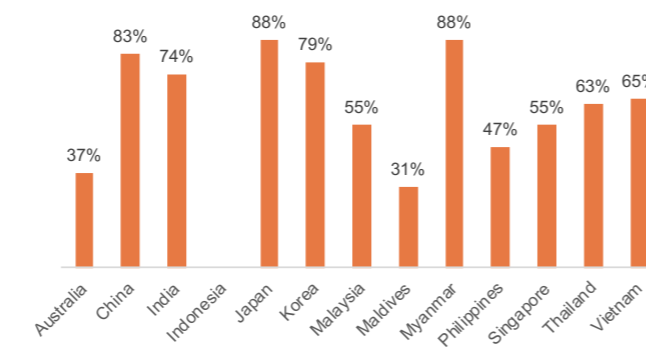
HVAC Filters Routinely Checked (87%)

87% of respondents confirmed that they check and change the HVAC system filters regularly. There is a possibility that hotels that do not perform routine check on their HVAC filters are less likely to participate, resulting in nearly 100% prevalence in some of the participating countries.



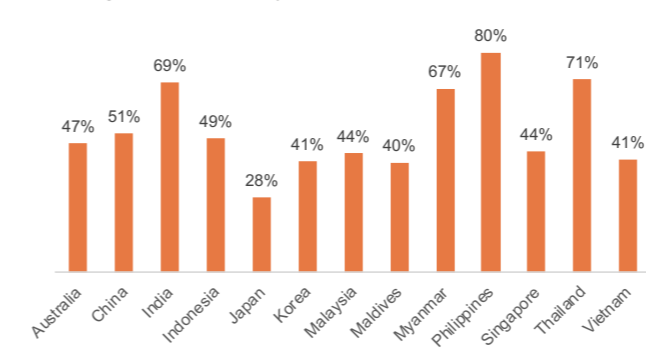
Air Purification System (62%)

62% of participating hotels have air purification system in place. Countries such as China, Japan and Myanmar reported over 80% prevalence for this practice.



Evaluate Suppliers In Human Rights Areas (53%)

53% of participating hotels have programs in place to monitor operations and Evaluate Suppliers In Human Rights Areas including modern slavery.



Back of House

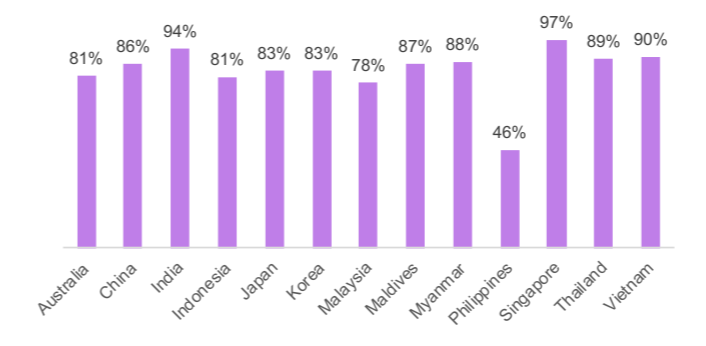
Preventive Maintenance Program (98%)

Almost all participating hotels have preventive maintenance plan which checks, at least quarterly, that the building energy and water equipment are functioning properly. We recognize that hotels that do not have Preventive Maintenance Program in place are less likely to participate in the survey.



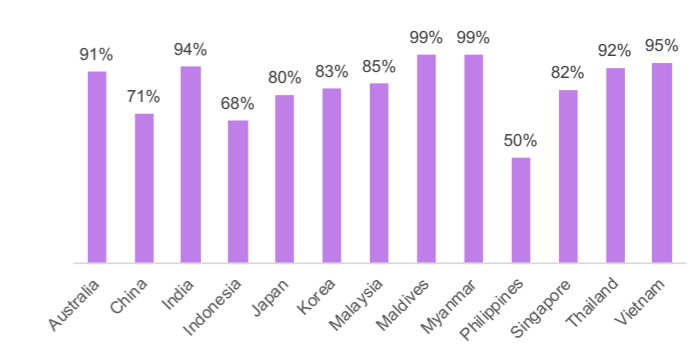
Towel Reuse Program (85%)

85% of participating hotels in the region have towel reuse programs in place. Despite being known as the most customary practice, there are still about 15% of participating hotels that do not have this practice in place. On a similar note, only about 65% of hotels offers guests the option of opting out housekeeping services altogether for one or more nights.



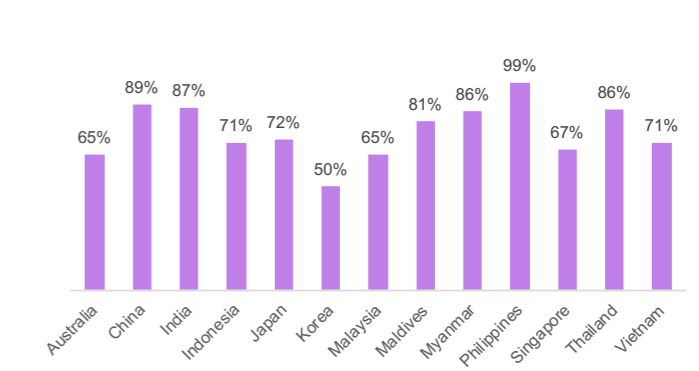
Vegetarian Menu Options (86%)

On average, 86% of respondents confirmed that vegetarian menu options are offered in the restaurants.



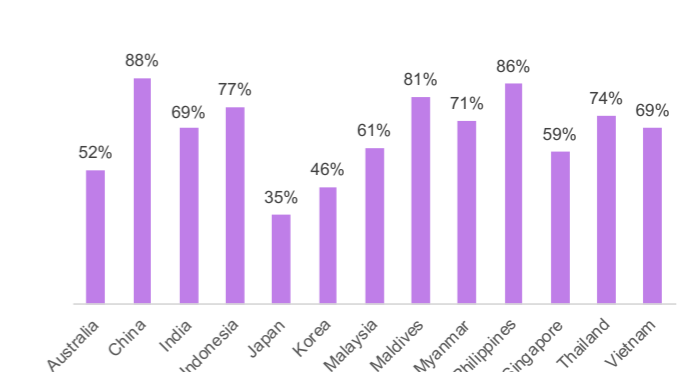
Local Procurement Policy (77%)

77% of participating hotels have policies in place that require procurement from local suppliers.



Green Cleaning Products Certified By A Third Party (68%)

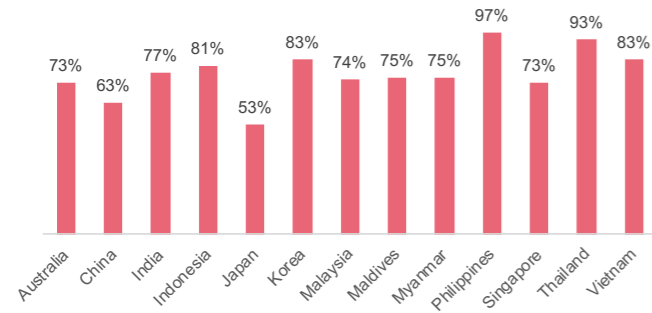
On average, 68% of hotels within the region use cleaning products that are certified by a third party. Countries such as China, Maldives and the Philippines reported over 80% prevalence for this practice.



Communications

Written Environmental Policy(ies) (74%)

74% of participating hotels have written sustainability policy/ set of policies in place. Most of the participating countries have reported over 70% prevalence for this practice.



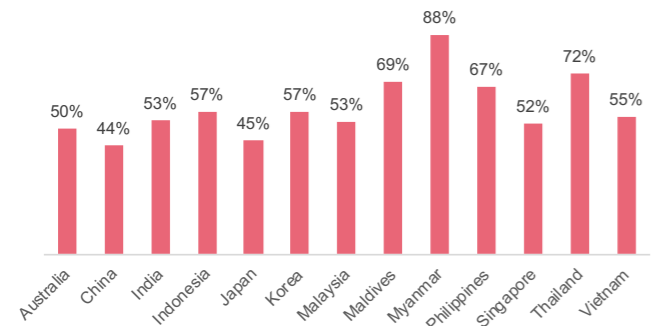
Green Initiatives Communication in Guestrooms (72%)

72% of participating hotels have green initiatives communicated in the Guest Service Directory (or elsewhere) within the guestrooms. China recorded 94% prevalence for this practice, while Maldives, Singapore and Thailand have over 80% uptake rate.



Green Practices Shared on Website (60%)

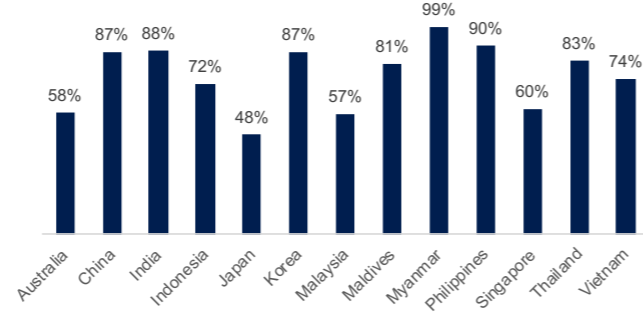
60% of participating hotels have a space in their hotels' website dedicated to sharing green practices.



Staff Involvement

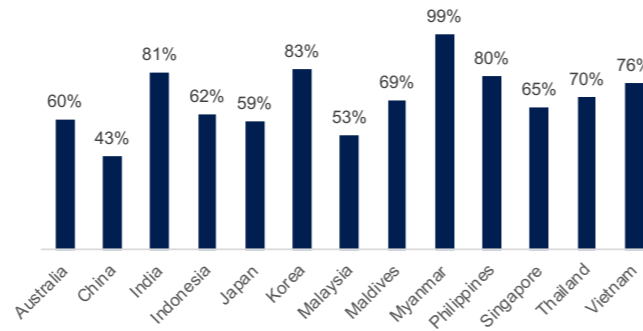
Staff Training (76%)

76% of hotels in the region have staff training conducted at least once a year on understanding and implementing green practices.



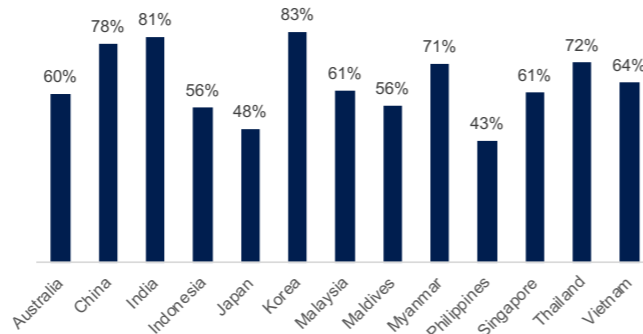
Green Champion (69%)

69% of participating hotels have a sustainability coordinator or green champion to oversee various green initiatives. India, Korea, Myanmar, and the Philippines reported at least 80% prevalence for this practice.



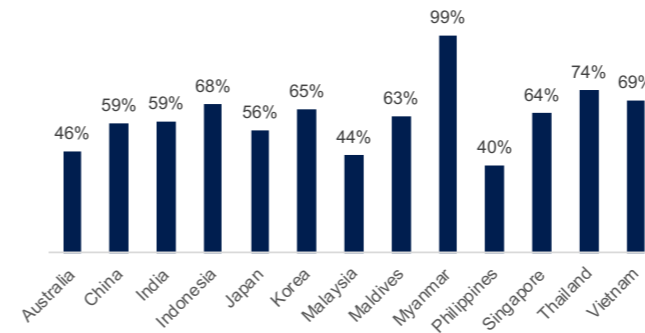
Comment/Suggestion Process (65%)

65% of participating hotels have an employee comment/ suggestion collection process in place for sustainability related issues. Almost all participating countries have over 50% prevalence for this practice except Japan (48%) and the Philippines (43%)



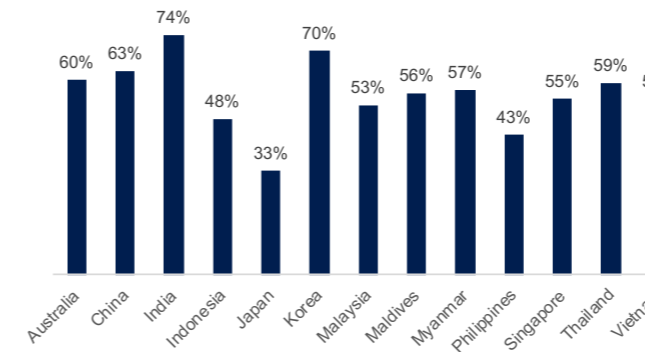
Green Team (63%)

Regionally, 63% of respondents have a green team or sustainability management team in their hotel. Nearly 100% uptake rate in Myanmar indicates that hotels that do not have a green team are less likely to participate in the survey.



Staff Recognition (56%)

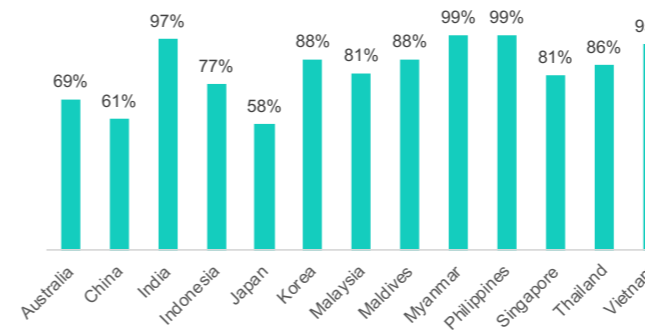
56% of participating hotels within the region give recognition to staff members who go above and beyond with regards to sustainability. India recorded 74% prevalence for this practice, which is the highest uptake rate among the participating countries.



Community Involvement

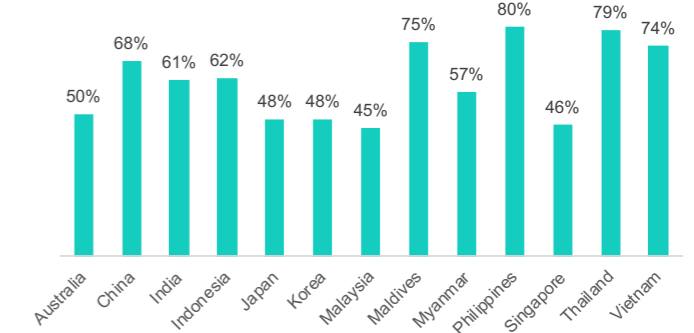
Employee Volunteering Opportunities During Work Hours (83%)

83% of participating hotels give employees the opportunity to volunteer time and services during regular working hours. All participating countries within the region reported over 50% prevalence for this practice.



Involve Guest to Support Green Initiatives (65%)

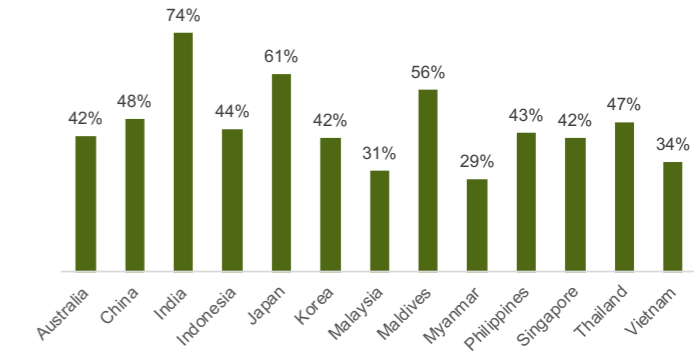
65% of respondents confirmed they have asked guests to support their hotel's environmental, social and community work. Countries such as Maldives, the Philippines and Thailand have at least 75% prevalence for this practice.



Climate Action & Certifications

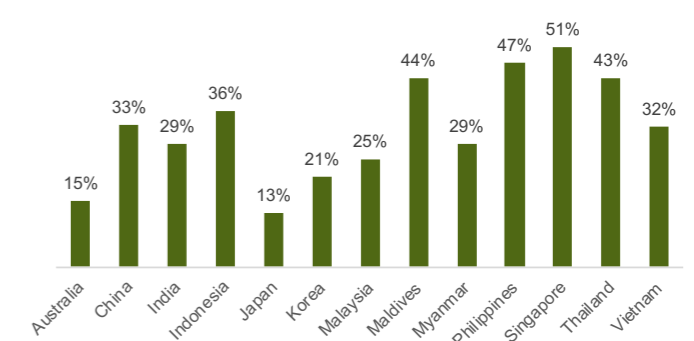
Carbon Footprint Measured (45%)

Regionally, only 45% of respondents have measured their property's carbon footprint. All participating countries reported below 75% prevalence for this practice.



3rd-Party Certification (32%)

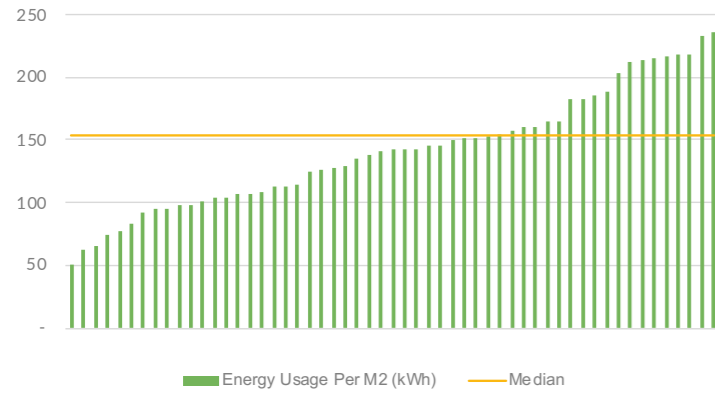
On average, 32% of participating hotels have sustainability related third-party certification.



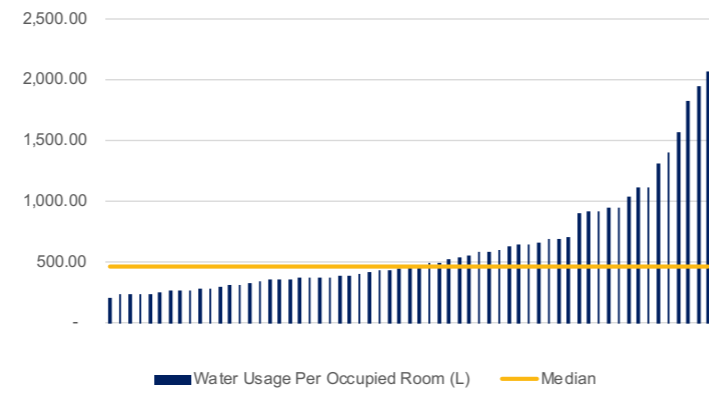
AUSTRALIA



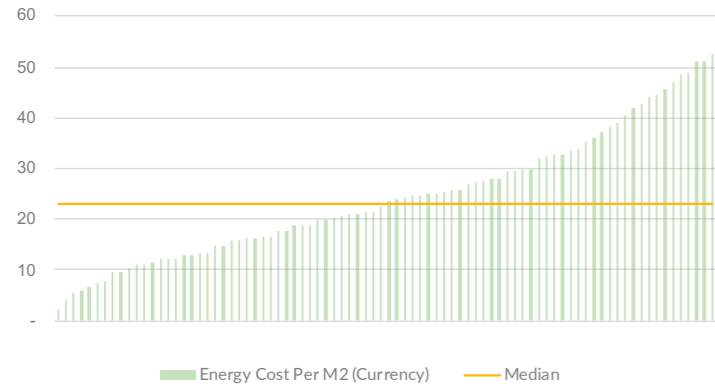
Energy Usage Per Square Metre (kWh)



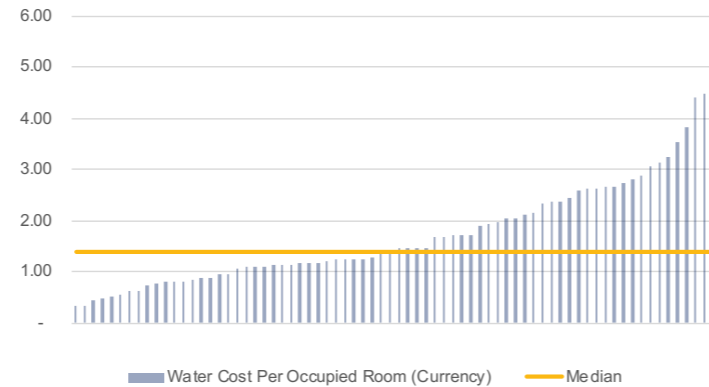
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (AUD)



Water Cost Per Occupied Room (AUD)



AUSTRALIA		ENERGY (KWh)				WATER (L)				GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	73	72	84	103	53	61	62	72	68	77
	High	1,290	219	52.64	27.62	4,343	2,067	17.91	5.16	301	204
	Mean	237	90	24.35	11.03	1,381	621	5.40	1.73	107	60
	Q3	235	106	32.50	14.97	1,902	698	7.13	2.37	132	68
	Median	154	82	23.01	9.37	1,154	466	3.73	1.41	90	47
	Q1	113	56	14.87	6.56	643	343	2.38	1.05	63	33
	Low	51	21	2.20	3.03	153	205	0.52	0.33	15	10
FULL SERVICE	Count	63	59	69	82	48	53	53	57	58	64
	High	1,290	219	52.64	27.62	4,343	2,067	17.91	4.47	301	204
	Mean	252	100	24.21	11.87	1,373	656	5.27	1.68	110	67
	Q3	250	128	32.72	16.33	1,862	712	6.40	2.37	133	83
	Median	158	92	21.33	9.95	1,133	500	3.55	1.30	90	55
	Q1	114	66	13.41	7.10	640	359	2.31	0.95	66	36
	Low	51	36	2.20	3.03	186	205	0.63	0.33	19	18
LIMITED SERVICE	Count	10	13	15	21	5	8	9	15	10	13
	High	233	82	41.81	15.48	2,952	920	14.67	5.16	189	66
	Mean	144	43	25.04	7.75	1,451	384	6.13	1.94	88	27
	Q3	161	51	30.82	9.27	1,942	393	9.05	2.10	107	33
	Median	142	39	25.58	7.00	1,158	303	4.95	1.72	82	25
	Q1	118	31	20.02	6.04	1,050	241	3.84	1.17	57	17
	Low	65	21	3.93	3.08	153	232	0.52	0.80	15	10
AIRPORT	Count	5			6	5			5		
	High	1,290			8.85	550			1.45		
	Mean	374			6.02	359			0.88		
	Q3	153			6.97	392			1.08		
	Median	150			6.07	366			0.87		
	Q1	145			4.91	281			0.65		
	Low	130			3.35	205			0.33		
RESORT	Count	9	8	10	13	6	5	5	6	9	9
	High	447	173	52.64	20.05	3,737	1,112	17.91	3.81	301	136
	Mean	247	102	32.40	12.87	1,786	672	7.70	1.96	163	67
	Q3	328	144	43.77	17.21	2,123	919	10.55	2.57	216	91
	Median	204	110	35.02	12.64	1,479	712	3.90	2.04	164	64
	Q1	154	56	20.11	8.94	1,232	359	3.27	0.91	79	35
	Low	105	36	11.10	6.39	533	259	2.85	0.58	55	29
CITY/ URBAN	Count	54	56	64	75	40	47	51	58	50	60
	High	1,229	219	51.21	27.62	4,343	2,067	17.40	5.16	265	204
	Mean	225	92	22.02	11.30	1,245	651	5.34	1.82	93	62
	Q3	229	106	28.44	15.16	1,780	697	6.88	2.42	122	67
	Median	144	82	20.38	9.64	1,035	496	3.62	1.48	88	47
	Q1	107	56	13.38	6.61	540	348	2.43	1.12	61	33
	Low	51	21	2.20	3.03	153	232	0.52	0.34	15	16

AUSTRALIA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		TIMESHARE/SERV	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	125	81%	101	83%	24	71%	7	43%	15	73%	92	85%	5	80%
2	Opt-Out Linen Reuse	90	67%	78	69%	12	50%			12	75%	69	65%		
3	At Least 75% LED Lighting	120	80%	99	81%	21	76%	7	86%	15	73%	88	80%		
4	Variable Frequency Drives	117	78%	96	82%	21	57%	7	86%	15	80%	86	77%		
5	- Main Air Handling Units	76	87%	64	84%	12	100%	5	100%	9	100%	56	84%		
6	- Kitchen Hoods	74	58%	64	59%	10	50%	5	60%	9	67%	54	59%		
7	- Elevators	72	54%	62	56%	10	40%	5	60%	9	56%	52	50%		
8	- Water Pumps	74	81%	63	89%	11	36%	5	80%	9	78%	54	81%		
9	- Refrigeration Units	71	38%	61	43%	10	10%	5	40%	9	44%	51	37%		
10	- Other	62	53%	53	57%	9	33%			9	44%	45	51%		
11	Renewable Power Generated?	121	11%	99	9%	22	18%	7	14%	15	40%	89	6%		
12	- Wind Power	6	33%												
13	- Solar PV	9	67%	7	86%										
14	- Heat Pump	8	50%	6	67%										
15	- Solar Thermal	9	67%	7	86%										
16	- Geothermal	6	33%												
17	- Hydroelectric	6	33%												
18	- Cogeneration	6	50%												
19	- Other	6	33%												
20	Carbon Offsets or Renewable Energy Certificate Purchase	115	6%	97	7%	18	0%	6	0%	14	0%	85	6%		
21	RECs, Green Tariffs, Feed-In Tariffs or PPA	109	7%	91	9%	18	0%	6	17%	13	15%	80	6%		
22	>75% Guestrooms Have Digital Thermostats	114	71%	96	71%	18	72%	6	67%	14	79%	84	71%		
23	>75% Bathroom Occupancy Sensors	112	31%	94	32%	18	28%	6	33%	13	31%	83	31%		
24	>75% Meeting Room Digital Thermostats	113	65%	95	67%	18	50%	6	83%	14	79%	83	63%		
25	>75% Meeting Room Occupancy Sensors	113	19%	95	20%	18	11%	6	17%	14	7%	83	22%		
26	High Efficiency Boilers (>85% efficiency)	107	51%	89	53%	18	44%	6	50%	12	42%	80	54%		
27	High Efficient Chillers (>0.5 kW/ton)	106	57%	90	62%	16	25%	6	50%	12	50%	78	60%		
28	Energy Sub-metering	121	45%	99	47%	22	32%	7	29%	15	47%	89	44%		
29	- Fitness Facility	41	39%	37	41%					6	33%	29	38%		
30	- Food & Beverage Facilities	49	80%	42	79%	7	86%			7	43%	35	83%		
31	- Guestrooms	48	63%	42	57%	6	100%			6	33%	34	65%		
32	- Public Spaces	47	62%	41	59%	6	83%			6	17%	35	69%		
33	Energy Tracking	115	96%	96	98%	19	84%	7	100%	13	92%	85	95%		
34	Benchmarking Energy among Peers	114	65%	95	66%	19	58%	6	83%	13	62%	85	66%		
35	Energy Audit	112	63%	94	65%	18	56%	6	67%	12	50%	84	64%		
36	Recover Waste Heat For Reuse	107	6%	89	7%	18	0%	7	0%	11	9%	82	6%		
37	Electric Vehicles	98	26%	85	29%	13	0%	6	17%	13	62%	70	19%		
38	Recycling in Common Areas	122	68%	100	68%	22	68%	7	86%	15	67%	89	71%	5	20%
39	Recycling Bins in Guestrooms	122	18%	100	18%	22	18%	7	14%	15	33%	89	16%	5	20%
40	Guestrooms with Bulk Soap/Shampoo Dispensers	121	7%	99	9%	22	0%	7	0%	15	13%	88	8%	5	0%
41	Waste and Recycling Tracking	121	60%	100	64%	21	38%	7	57%	15	47%	88	64%	5	60%

AUSTRALIA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		TIMESHARE/SERV	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	Soap Donation	119	59%	97	64%	22	36%	7	71%	15	47%	86	59%	5	40%
43	Food Waste Disposal	119	61%	97	68%	22	27%	6	33%	14	57%	89	63%	5	20%
44	- Landfill/incinerator	48	52%	45	53%							38	50%		
45	- On-site waste digester machine	46	30%	42	31%							38	29%		
46	- On-site compost	43	9%	40	10%							36	11%		
47	- Off-site compost/organic waste treatment facility	52	50%	48	52%							44	55%		
48	- Off-site animal feed	43	14%	40	15%							36	14%		
49	Waste Audit	116	49%	95	48%	21	52%	7	71%	14	29%	84	52%	5	40%
50	Food Waste Generated Measured	116	36%	94	43%	22	9%	7	43%	13	31%	85	38%	5	0%
51	Food Donation	115	19%	94	21%	21	10%	7	0%	14	21%	83	22%	5	0%
52	Edible Excess Food Not Donated	114	35%	92	41%	22	9%	7	43%	13	31%	84	37%	5	0%
53	Food Prevention Strategies	113	45%	92	48%	21	33%	7	43%	13	31%	82	49%	5	0%
54	- Training	40	90%	36	92%							33	94%		
55	- Adjusting portion size	45	96%	39	95%	6	100%					35	94%		
56	- Redesign menu	44	89%	39	87%	5	100%					36	89%		
57	- Change size of serving vessel	43	84%	38	82%	5	100%					34	88%		
58	Water Filtration/Hydration Station	112	47%	92	50%	20	35%	7	57%	13	62%	81	49%	5	20%
59	- Guestrooms	42	26%	40	25%					5	80%	32	19%		
60	- Meeting Facilities	43	49%	39	49%					6	50%	32	47%		
61	- Food and Beverage Facilities	50	72%	44	70%	6	83%			7	86%	38	68%		
62	- Fitness Facilities	47	79%	41	78%	6	83%			5	40%	37	84%		
63	Single-Use Plastics Elimination Strategies	103	70%	86	72%	17	59%	6	50%	13	85%	74	68%		
64	- Guestrooms	66	86%	57	88%	9	78%			7	100%	49	88%		
65	- Food and Beverage Facilities	69	96%	59	95%	10	100%			9	100%	50	94%		
66	- Other Guest-Facing Facilities	68	88%	59	88%	9	89%			9	100%	49	88%		
67	- Back of House	66	95%	58	95%	8	100%			9	100%	48	94%		
68	Single-Use Plastics Eliminated	110	29%	90	30%	20	25%	6	33%	13	31%	80	29%	5	20%
69	>75% Automatic Sensor Touchless Faucets	48	17%	43	19%	5	0%			10	10%	32	22%		
70	>75% Low-Flow Toilets	105	81%	86	78%	19	95%	6	67%	14	79%	76	82%	5	80%
71	>75% Efficient Faucets	96	78%	79	76%	17	88%	6	50%	14	79%	70	80%		
72	>75% Efficient Showerheads	96	80%	80	83%	16	69%	6	67%	13	77%	71	82%		
73	Water Tracking	114	93%	94	94%	20	90%	6	100%	14	93%	83	94%	5	80%
74	Graywater Reuse	114	5%	94	4%	20	10%	6	0%	14	29%	83	2%	5	0%
75	Water Sub-Metering	114	40%	94	45%	20	20%	6	0%	14	79%	83	37%	5	60%
76	- Guestrooms	43	42%	40	43%					11	45%	28	43%		
77	- Food & Beverage Facilities	45	58%	42	60%					11	45%	30	63%		
78	- Fitness Facility	41	22%	38	24%					10	30%	27	19%		
79	- Swimming Pool	42	50%	39	46%					10	80%	28	43%		
80	- Landscaping/grounds keeping	43	40%	40	43%					11	64%	28	32%		
81	Native or Drought-Tolerant Landscaping	106	45%	88	43%	18	56%	6	33%	13	85%	77	40%	5	60%
82	Preventive Maintenance Program	122	98%	100	100%	22	86%	7	100%	15	100%	89	98%	5	80%

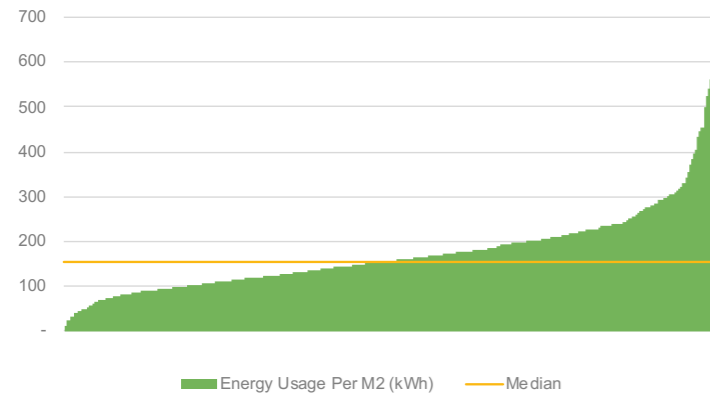
AUSTRALIA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		TIMESHARE/SERV	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	Written Environmental Policy(ies)	120	73%	99	78%	21	48%	7	100%	15	67%	87	72%	5	60%
84	Green Practices Shared on Website	119	50%	97	57%	22	23%	7	71%	15	40%	86	52%	5	40%
85	Green Champion	122	60%	100	65%	22	36%	7	86%	15	47%	89	63%	5	60%
86	Green Team	122	46%	100	53%	22	14%	7	57%	15	47%	89	45%	5	60%
87	Green Team Budget	118	24%	97	24%	21	24%	7	29%	14	21%	86	23%	5	60%
88	Staff Training	122	58%	100	62%	22	41%	7	29%	15	53%	89	63%	5	60%
89	Employee Volunteering Opportunities During Work Hours	121	69%	100	74%	21	48%	7	43%	15	67%	88	73%	5	60%
90	Staff Recognition	121	60%	100	65%	21	38%	7	57%	15	67%	88	60%	5	40%
91	Comment/Suggestion Process	121	60%	100	65%	21	38%	7	57%	15	53%	88	64%	5	40%
92	Green Cleaning Products Certified By A Third Party	117	52%	95	55%	22	41%	7	57%	14	36%	86	55%	5	20%
93	Green Initiatives Communication in Guestrooms	115	57%	93	61%	22	36%	7	71%	14	71%	83	53%	5	80%
94	Involve Guest to Support Green Initiatives	119	50%	97	54%	22	32%	7	43%	14	36%	87	52%	5	60%
95	Reward Program for Sustainable Guests	118	35%	96	41%	22	9%	7	0%	14	50%	86	34%	5	0%
96	>75% of Overnight Guests Asking About Carbon Offsetting	116	1%	96	1%	20	0%	7	0%	15	0%	84	1%	5	0%
97	>75% Meeting Customers Asking about Sustainability Initiatives	116	2%	96	1%	20	5%	7	0%	15	0%	84	2%	5	0%
98	3rd-party Certification	105	15%	87	14%	18	22%	5	40%	14	7%	75	15%	5	40%
99	Carbon Footprint Measured	117	42%	97	47%	20	15%	7	57%	15	47%	84	42%	5	20%
100	Local Procurement Policy	118	65%	98	63%	20	75%	7	71%	15	67%	85	67%	5	40%
101	Procurement Requirements	116	38%	96	40%	20	30%	7	43%	14	36%	84	42%	5	0%
102	- Contractors	48	67%	42	64%	6	83%			5	60%	38	68%		
103	- Service Providers	44	77%	39	77%	5	80%			5	60%	35	83%		
104	- Suppliers	45	98%	39	97%	6	100%			5	100%	35	97%		
105	- Other	36	56%	31	52%	5	80%			5	40%	27	63%		
106	Vegetable Garden	113	25%	95	28%	18	6%	7	0%	15	47%	80	23%	5	40%
107	Beekeeping	113	11%	95	13%	18	0%	7	0%	15	13%	80	13%	5	0%
108	Low-VOC Or VOC-Free Paints In Renovations/Additions	111	59%	93	62%	18	44%	7	43%	14	43%	79	66%	5	60%
109	HVAC Filters Routinely Checked	111	96%	93	98%	18	89%	7	100%	14	100%	79	97%	5	80%
110	Air Purification System	109	37%	91	37%	18	33%	7	57%	14	36%	78	36%	5	20%
111	Vegetarian Menu Options	109	91%	91	96%	18	67%	7	86%	14	100%	77	91%	5	60%
112	Sustainable Seafood Procurement	108	50%	90	56%	18	22%	7	29%	14	79%	77	52%	5	20%
113	>75% Seafood Purchased Sustainably Certified	90	53%	76	57%	14	36%	5	60%	13	62%	66	55%		
114	F&B Purchases are Fair Trade Items	101	55%	83	60%	18	33%	6	67%	14	50%	73	60%		
115	Evaluate Suppliers In Human Rights Areas	106	47%	88	53%	18	17%	7	14%	13	62%	75	49%	5	40%

CHINA

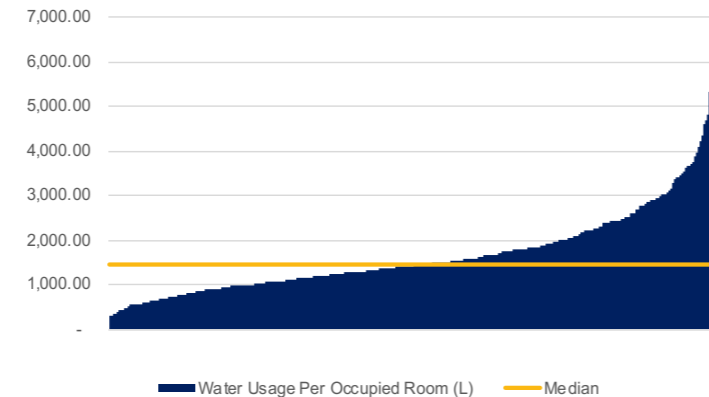


CHINA	ENERGY (KWh)				WATER (L)				GHG (KgCO2e)		
	Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR	
ALL	Count	911	970	906	912	598	641	607	631	916	969
	High	624	641	148.94	168.04	4,882	6,597	13.94	16.08	284	281
	Mean	173	176	79.25	80.87	1,570	1,681	6.36	6.98	75	75
	Q3	210	217	98.74	101.04	1,954	2,021	8.35	9.12	88	94
	Median	157	155	77.41	75.12	1,413	1,437	6.02	6.42	68	65
	Q1	112	101	58.24	56.46	1,063	1,040	4.17	4.42	52	47
	Low	4	21	22.03	22.46	212	288	0.81	1.10	2	9
FULL SERVICE	Count	833	901	802	818	557	594	545	576	838	900
	High	624	641	148.94	168.04	4,882	6,597	13.94	16.08	284	281
	Mean	175	182	80.10	82.76	1,577	1,728	6.44	7.13	76	78
	Q3	211	225	99.07	103.29	1,956	2,091	8.38	9.21	89	96
	Median	158	159	77.77	77.44	1,414	1,467	6.13	6.55	69	67
	Q1	115	109	59.37	58.03	1,069	1,084	4.35	4.56	53	50
	Low	4	27	22.30	22.46	212	352	0.81	1.13	2	11
LIMITED SERVICE	Count	78	69	104	94	41	47	62	55	78	69
	High	563	501	146.46	162.51	3,422	5,762	12.39	15.95	193	149
	Mean	155	93	72.69	64.40	1,473	1,088	5.63	5.37	66	41
	Q3	191	103	95.18	80.43	1,929	1,262	8.27	7.05	78	48
	Median	140	73	70.50	58.98	1,386	895	5.34	4.64	61	36
	Q1	91	53	49.64	38.05	945	562	2.74	2.49	45	26
	Low	24	21	22.03	25.45	391	288	1.02	1.10	5	9
AIRPORT	Count	18	16	15	17	11	14	14	14	18	16
	High	568	545	133.53	165.52	2,111	2,021	10.99	14.19	234	196
	Mean	198	133	78.53	71.30	1,399	1,013	6.14	5.03	82	57
	Q3	228	154	82.55	92.64	1,628	1,103	7.88	5.42	87	58
	Median	140	94	75.96	57.72	1,337	974	5.22	4.72	73	42
	Q1	110	63	67.48	34.65	1,133	830	4.70	3.50	48	30
	Low	69	39	53.31	28.26	897	288	2.56	1.62	40	21
RESORT	Count	207	212	189	184	119	145	122	131	209	212
	High	575	622	148.94	161.57	4,882	6,597	13.80	15.37	273	251
	Mean	142	192	71.15	84.88	1,770	2,362	6.13	8.23	64	84
	Q3	177	242	89.01	109.38	2,109	2,906	8.31	11.13	77	112
	Median	133	161	69.34	82.03	1,587	2,033	5.65	7.93	59	72
	Q1	78	105	51.11	57.94	1,185	1,441	3.62	5.35	39	52
	Low	4	35	22.03	25.32	344	545	0.81	1.20	2	11
CITY/ URBAN	Count	555	588	552	560	375	381	376	388	557	588
	High	624	641	148.02	168.04	4,711	4,792	13.94	15.95	284	281
	Mean	185	173	83.15	80.18	1,542	1,491	6.45	6.74	79	74
	Q3	222	217	103.19	100.45	1,893	1,811	8.40	8.69	93	92
	Median	168	155	81.92	74.34	1,406	1,318	6.14	6.39	72	65
	Q1	122	101	62.05	56.63	1,048	971	4.23	4.34	56	47
	Low	33	21	22.30	22.46	212	309	0.82	1.10	16	9
CONVENTION/ CONFERENCE	Count	54	56	149	151	40	47	94	97	50	60
	High	1,229	219	148.62	167.48	4,343	2,067	13.54	16.08	265	204
	Mean	225	92	75.22	79.64	1,245	651	6.31	6.58	93	62
	Q3	229	106	94.79	97.77	1,780	697	8.24	8.00	122	67
	Median	144	82	71.26	74.38	1,035	496	6.11	6.12	88	47
	Q1	107	56	53.31	54.82	540	348	4.20	4.57	61	33
	Low	51	21	23.69	22.46	153	232	1.52	1.36	15	16

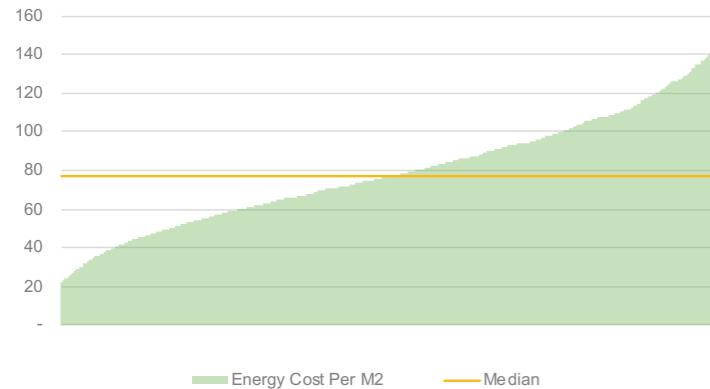
Energy Usage Per Square Metre (kWh)



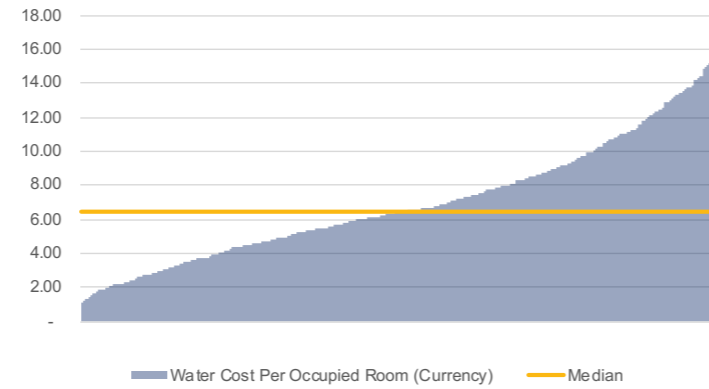
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (CNY)



Water Cost Per Occupied Room (CNY)



CHINA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		CONVEN/CONF	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	1055	86%	926	87%	129	78%	18	89%	227	85%	639	86%	170	86%
2	Opt-Out Linen Reuse	905	57%	804	57%	101	54%	16	69%	194	56%	549	56%	145	60%
3	At Least 75% LED Lighting	1064	86%	933	86%	131	79%	18	83%	229	85%	646	86%	170	85%
4	Variable Frequency Drives	1113	90%	977	93%	136	74%	20	85%	237	89%	677	91%	178	92%
5	- Main Air Handling Units	934	82%	839	83%	95	71%	17	71%	196	80%	565	82%	155	86%
6	- Kitchen Hoods	933	45%	839	46%	94	37%	17	24%	196	44%	564	46%	155	46%
7	- Elevators	934	84%	839	84%	95	84%	17	88%	196	83%	565	85%	155	82%
8	- Water Pumps	935	82%	839	82%	96	80%	17	82%	196	89%	566	80%	155	81%
9	- Refrigeration Units	934	77%	839	78%	95	71%	17	71%	196	82%	565	76%	155	76%
10	- Other	932	40%	838	40%	94	40%	17	29%	196	49%	563	36%	155	43%
11	Renewable Power Generated?	1125	14%	990	14%	135	9%	21	14%	241	19%	684	12%	178	13%
12	- Wind Power	152	2%	140	1%	12	8%			45	0%	81	1%	23	4%
13	- Solar PV	152	49%	140	51%	12	17%			45	69%	81	37%	23	48%
14	- Heat Pump	152	56%	140	56%	12	58%			45	51%	81	62%	23	48%
15	- Solar Thermal	152	49%	140	51%	12	17%			45	69%	81	37%	23	48%
16	- Geothermal	152	5%	140	4%	12	8%			45	7%	81	5%	23	0%
17	- Hydroelectric	152	1%	140	1%	12	0%			45	2%	81	1%	23	0%
18	- Cogeneration	152	2%	140	2%	12	0%			45	0%	81	4%	23	0%
19	- Other	152	18%	140	19%	12	0%			45	13%	81	19%	23	22%
20	Carbon Offsets or Renewable Energy Certificate Purchase	1111	4%	978	4%	133	2%	21	0%	239	2%	673	3%	177	7%
21	RECs, Green Tariffs, Feed-In Tariffs or PPA	1092	28%	965	29%	127	20%	20	10%	239	30%	657	27%	175	34%
22	>75% Guestrooms Have Digital Thermostats	1079	82%	946	84%	133	74%	20	70%	230	79%	651	85%	177	80%
23	>75% Bathroom Occupancy Sensors	1073	40%	942	40%	131	40%	19	21%	229	37%	648	40%	176	45%
24	>75% Meeting Room Digital Thermostats	1080	74%	947	76%	133	59%	20	60%	232	70%	650	75%	177	73%
25	>75% Meeting Room Occupancy Sensors	1078	45%	948	46%	130	40%	20	30%	231	45%	649	46%	177	44%
26	High Efficiency Boilers (>85% efficiency)	1111	76%	979	77%	132	62%	20	90%	241	70%	671	77%	178	75%
27	High Efficient Chillers (>0.5 kW/ton)	1099	78%	969	80%	130	64%	21	76%	236	70%	668	81%	173	77%
28	Energy Sub-metering	1123	80%	988	82%	135	64%	21	76%	240	75%	680	80%	181	86%
29	- Fitness Facility	898	77%	811	79%	87	59%	16	63%	181	75%	546	77%	155	81%
30	- Food & Beverage Facilities	898	94%	811	95%	87	89%	16	100%	181	95%	546	93%	155	97%
31	- Guestrooms	898	89%	811	89%	87	87%	16	88%	181	91%	546	88%	155	90%
32	- Public Spaces	898	81%	811	82%	87	72%	16	69%	181	85%	546	80%	155	83%
33	Energy Tracking	1129	99%	993	99%	136	99%	21	100%	244	100%	683	99%	180	99%
34	Benchmarking Energy among Peers	1121	71%	985	72%	136	65%	20	65%	242	70%	679	71%	179	72%
35	Energy Audit	1112	22%	980	23%	132	14%	21	14%	242	21%	669	21%	179	27%
36	Recover Waste Heat For Reuse	1096	36%	971	39%	125	18%	22	36%	234	36%	670	36%	169	38%
37	- Kitchen	396	15%	374	14%	22	18%	8	13%	85	13%	239	15%	64	14%
38	Laundry	396	75%	374	75%	22	68%	8	50%	85	86%	239	71%	64	78%
39	- Guestrooms	396	24%	374	24%	22	27%	8	13%	85	12%	239	27%	64	28%
40	- Generator	396	8%	374	9%	22	5%	8	25%	85	8%	239	8%	64	6%
41	- Exhaust Air	396	20%	374	19%	22	27%	8	38%	85	14%	239	20%	64	23%

CHINA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		CONVEN/CONF	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- Gray Water	396	20%	374	21%	22	5%	8	13%	85	22%	239	20%	64	16%
43	Electric Vehicles	1083	42%	956	44%	127	31%	20	55%	232	54%	656	36%	174	49%
44	Recycling in Common Areas	1090	76%	959	77%	131	66%	21	81%	235	77%	664	73%	169	82%
45	Recycling Bins in Guestrooms	1076	72%	948	73%	128	64%	21	81%	234	79%	654	69%	166	75%
46	Guestrooms with Bulk Soap/Shampoo Dispensers	1069	55%	941	53%	128	64%	21	52%	231	66%	652	51%	164	54%
47	Waste and Recycling Tracking	1048	56%	922	58%	126	44%	20	45%	226	62%	640	55%	161	57%
48	Soap Donation	1052	28%	926	28%	126	23%	21	33%	224	27%	644	28%	162	25%
49	Food Waste Disposal	1039	37%	919	38%	120	28%	19	42%	225	36%	632	37%	162	39%
50	- Landfill/incinerator	384	8%	351	8%	33	9%	8	0%	80	6%	233	11%	63	3%
51	- On-site waste digester machine	384	11%	351	10%	33	21%	8	13%	80	8%	233	13%	63	5%
52	- On-site compost	384	3%	351	3%	33	3%	8	0%	80	6%	233	2%	63	3%
53	- Off-site compost/organic waste treatment facility	383	26%	350	27%	33	18%	8	0%	80	28%	232	27%	63	24%
54	- Off-site animal feed	383	9%	350	9%	33	9%	8	0%	80	21%	232	5%	63	10%
55	Waste Audit	1046	7%	922	7%	124	6%	20	10%	225	8%	637	7%	163	4%
56	Food Waste Generated Measured	1027	48%	911	49%	116	36%	20	45%	219	40%	626	51%	161	47%
57	Food Donation	1023	20%	902	20%	121	17%	19	16%	221	23%	625	20%	157	17%
58	Food Prevention Strategies	1007	81%	890	82%	117	74%	17	100%	215	75%	619	84%	155	79%
59	- Training	817	92%	730	92%	87	91%	17	94%	162	93%	515	91%	122	95%
60	- Adjusting portion size	817	75%	730	76%	87	71%	17	88%	162	77%	515	75%	122	74%
61	- Redesign menu	817	87%	730	88%	87	85%	17	94%	162	91%	515	85%	122	92%
62	- Change size of serving vessel	817	72%	730	73%	87	69%	17	88%	162	67%	515	72%	122	78%
63	Water Filtration/Hydration Station	1039	64%	919	65%	120	60%	20	70%	224	63%	634	65%	160	60%
64	- Guestrooms	665	61%	593	61%	72	67%	14	57%	141	65%	413	60%	96	63%
65	- Meeting Facilities	665	67%	593	68%	72	61%	14	64%	141	69%	413	65%	96	72%
66	- Food and Beverage Facilities	665	97%	593	97%	72	100%	14	93%	141	98%	413	96%	96	99%
67	- Fitness Facilities	665	58%	593	59%	72	43%	14	50%	141	57%	413	57%	96	63%
68	Single-Use Plastics Elimination Strategies	1033	82%	915	83%	118	72%	19	95%	223	80%	629	80%	161	87%
69	- Guestrooms	840	93%	755	93%	85	94%	18	94%	178	91%	503	94%	140	94%
70	- Food and Beverage Facilities	840	96%	755	97%	85	92%	18	94%	178	97%	503	96%	140	96%
71	- Other Guest-Facing Facilities	840	86%	755	86%	85	87%	18	89%	178	84%	503	86%	140	90%
72	- Back of House	840	84%	755	83%	85	87%	18	89%	178	81%	503	83%	140	90%
73	>75% Automatic Sensor Touchless Faucets	978	22%	875	22%	103	23%	19	16%	208	20%	599	24%	151	19%
74	>75% Low-Flow Toilets	983	81%	870	82%	113	75%	18	83%	211	80%	602	81%	151	82%
75	>75% Efficient Faucets	880	62%	787	63%	93	58%	19	58%	191	63%	529	61%	140	66%
76	>75% Efficient Showerheads	872	75%	772	76%	100	72%	18	56%	190	75%	532	74%	131	82%
77	Water Tracking	1102	99%	972	99%	130	98%	21	100%	235	99%	673	99%	172	99%
78	Graywater Reuse	1096	22%	969	23%	127	15%	22	14%	233	29%	671	21%	169	20%
79	Water Sub-Metering	1092	78%	966	80%	126	63%	21	67%	234	76%	667	78%	169	82%
80	- Guestrooms	852	83%	772	83%	80	83%	14	86%	177	85%	521	80%	139	87%
81	- Food & Beverage Facilities	852	94%	772	94%	80	95%	14	100%	177	92%	521	95%	139	94%

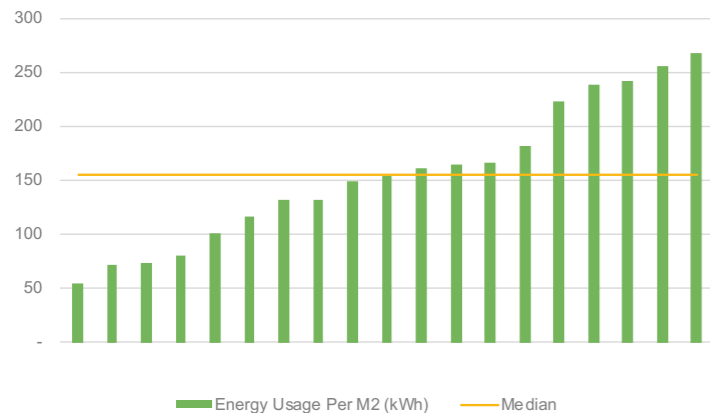
CHINA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		CONVEN/CONF	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
82	- Fitness Facility	852	74%	772	76%	80	54%	14	57%	177	69%	521	74%	139	82%
83	- Swimming Pool	852	81%	772	84%	80	50%	14	64%	177	86%	521	79%	139	82%
84	- Landscaping/grounds keeping	852	69%	772	72%	80	38%	14	71%	177	75%	521	66%	139	71%
85	Native or Drought-Tolerant Landscaping	1066	63%	944	65%	122	43%	20	70%	229	79%	652	56%	164	64%
86	Preventive Maintenance Program	1093	97%	968	98%	125	92%	20	100%	230	97%	672	97%	170	99%
87	Written Environmental Policy(ies)	1043	63%	925	64%	118	56%	18	44%	221	67%	643	63%	160	61%
88	Green Practices Shared on Website	1025	44%	910	45%	115	37%	19	37%	210	48%	640	43%	155	43%
89	Green Champion	1039	43%	921	45%	118	28%	19	58%	216	46%	646	43%	157	38%
90	Green Team	1037	59%	921	61%	116	45%	19	58%	213	63%	649	59%	155	52%
91	Green Team Budget	1028	62%	909	63%	119	51%	19	63%	216	65%	638	61%	154	61%
92	Staff Training	1058	87%	938	87%	120	81%	20	95%	226	88%	653	86%	158	86%
93	Employee Volunteering Opportunities During Work Hours	1033	61%	917	62%	116	53%	20	75%	219	66%	637	60%	156	56%
94	Staff Recognition	1036	63%	918	62%	118	69%	18	44%	222	65%	640	62%	155	67%
95	Comment/Suggestion Process	1026	78%	910	78%	116	76%	17	82%	218	76%	635	78%	155	83%
96	Green Cleaning Products Certified By A Third Party	1021	88%	903	89%	118	81%	18	89%	213	89%	638	88%	151	88%
97	Green Initiatives Communication in Guestrooms	1034	94%	916	94%	118	92%	19	95%	219	95%	641	93%	154	91%
98	Involve Guest to Support Green Initiatives	1030	68%	913	69%	117	60%	18	78%	218	72%	643	67%	150	67%
99	Reward Program for Sustainable Guests	1024	28%	906	28%	118	24%	18	33%	215	33%	638	26%	152	30%
100	>75% of Overnight Guests Asking About Carbon Offsetting	1004	9%	886	9%	118	11%	20	5%	216	6%	612	9%	155	10%
101	>75% Meeting Customers Asking about Sustainability Initiatives	978	9%	860	9%	118	9%	19	5%	210	8%	599	9%	149	8%
102	3rd-party Certification	1038	33%	918	34%	120	23%	19	16%	214	37%	646	33%	158	30%
103	Carbon Footprint Measured	1028	48%	908	49%	120	37%	21	19%	218	48%	633	49%	155	46%
104	Local Procurement Policy	1029	89%	909	90%	120	80%	20	85%	219	89%	632	89%	157	90%
105	Procurement Requirements	998	57%	880	58%	118	50%	19	63%	215	62%	612	55%	151	53%
106	- Contractors	563	90%	504	90%	59	90%	12	92%	133	91%	337	88%	80	96%
107	- Service Providers	563	90%	504	90%	59	86%	12	92%	133	88%	337	90%	80	93%
108	- Suppliers	563	90%	504	90%	59	86%	12	100%	133	86%	337	90%	80	94%
109	- Other	563	65%	504	65%	59	66%	12	58%	133	65%	337	63%	80	73%
110	Vegetable Garden	1054	8%	933	9%	121	5%	21	5%	228	12%	645	7%	159	10%
111	Beekeeping	1024	2%	905	2%	119	3%	21	5%	216	2%	631	2%	155	3%
112	Low-VOC Or VOC-Free Paints In Renovations/Additions	1058	87%	934	89%	124	74%	21	90%	225	85%	649	88%	162	86%
113	HVAC Filters Routinely Checked	1049	90%	930	91%	119	81%	20	85%	225	88%	649	91%	154	86%
114	Air Purification System	1015	83%	898	84%	117	73%	21	81%	213	80%	629	82%	151	87%
115	Vegetarian Menu Options	1004	71%	887	73%	117	56%	19	68%	215	77%	618	70%	151	68%
116	Sustainable Seafood Procurement	982	74%	865	75%	117	62%	20	75%	210	72%	606	75%	145	71%
117	>75% Seafood Purchased Sustainably Certified	845	57%	745	59%	100	48%	14	50%	186	60%	518	55%	127	62%
118	F&B Purchases are Fair Trade Items	985	79%	871	82%	114	64%	19	89%	214	80%	606	80%	145	76%
119	Evaluate Suppliers In Human Rights Areas	987	51%	870	52%	117	41%	19	37%	215	52%	607	52%	145	45%

INDIA

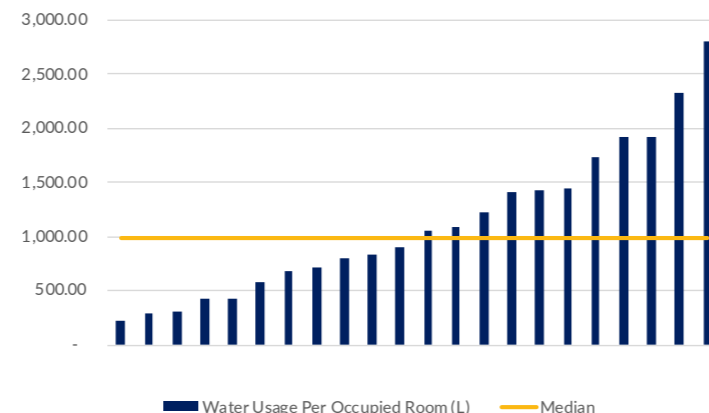


INDIA		ENERGY (KWh)				WATER (L)				GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	19	20	24	25	22	22	19	22	21	20
	High	269	578	3428.23	3705.44	3,351	2,803	293.37	324.62	242	249
	Mean	157	216	1342.76	1512.01	1,265	1,113	109.34	122.95	103	117
	Q3	203	304	1921.70	1778.30	1,546	1,436	139.42	185.11	128	156
	Median	155	176	1063.04	1252.61	1,121	977	101.11	102.64	89	111
	Q1	109	106	789.00	767.87	669	599	56.32	43.23	61	65
	Low	54	42	501.19	451.65	279	223	14.06	16.27	31	26
FULL SERVICE	Count	14	16	16	15	13	14	12	15	16	16
	High	257	578	3428.23	3214.84	3,351	2,803	164.92	324.62	242	249
	Mean	156	253	1350.87	1729.57	1,271	1,380	80.04	143.92	108	136
	Q3	179	353	1974.88	2455.37	1,463	1,873	110.32	216.28	132	167
	Median	158	223	1017.39	1687.09	1,070	1,311	92.28	105.85	96	128
	Q1	120	129	787.66	1026.85	668	887	35.47	79.88	62	84
	Low	54	83	501.19	657.93	279	290	14.06	16.27	31	61
LIMITED SERVICE	Count	5		8	10	9	8	7	7	5	
	High	269		2948.73	3705.44	2,623	1,431	293.37	228.04	172	
	Mean	158		1326.54	1185.67	1,258	646	159.55	78.02	87	
	Q3	243		1354.39	1293.39	1,573	824	211.88	102.61	89	
	Median	132		1090.37	947.11	1,369	550	151.81	47.07	76	
	Q1	73		883.95	509.99	671	389	101.39	23.44	55	
	Low	72		712.26	451.65	318	223	45.13	18.97	41	
CITY/ URBAN	Count	12	12	16	15	14	13	12	12	14	12
	High	269	352	3428.23	3705.44	3,351	1,926	224.05	205.55	242	229
	Mean	166	171	1402.38	1553.85	1,339	1,079	107.91	77.84	117	104
	Q3	241	222	1974.88	1768.54	1,553	1,408	155.09	106.27	142	132
	Median	158	137	1128.72	1306.99	1,121	1,058	99.30	79.88	109	89
	Q1	113	106	752.02	890.58	710	675	61.92	30.14	66	65
	Low	54	65	501.19	504.42	318	290	14.06	16.27	31	37

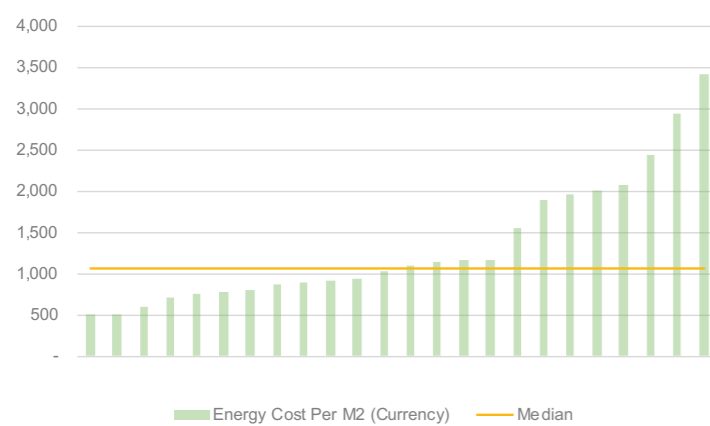
Energy Usage Per Square Metre (kWh)



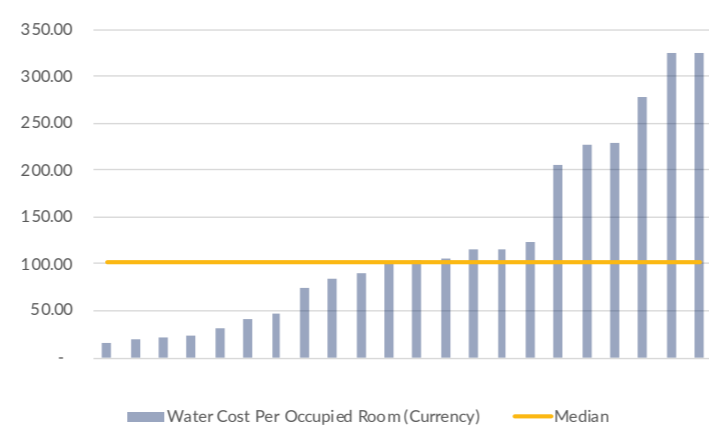
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (INR)



Water Cost Per Occupied Room (INR)



INDIA		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	31	94%	20	90%	11	100%	5	100%	19	89%
2	Opt-Out Linen Reuse	27	63%	17	71%	10	50%			16	50%
3	At Least 75% LED Lighting	32	91%	21	86%	11	100%	5	100%	19	84%
4	Variable Frequency Drives	32	97%	21	95%	11	100%	5	100%	19	95%
5	- Main Air Handling Units	29	83%	20	90%	9	67%			17	76%
6	- Kitchen Hoods	27	37%	19	42%	8	25%	5	60%	15	33%
7	- Elevators	31	90%	20	90%	11	91%	5	100%	18	89%
8	- Water Pumps	31	90%	20	95%	11	82%	5	100%	18	83%
9	- Refrigeration Units	29	41%	20	40%	9	44%	5	60%	17	41%
10	- Other	25	60%	16	56%	9	67%			15	47%
11	Renewable Power Generated?	32	9%	21	5%	11	18%	5	20%	19	5%
12	Carbon Offsets or Renewable Energy Certificate Purchase	31	23%	20	25%	11	18%			19	26%
13	RECs, Green Tariffs, Feed-In Tariffs or PPA	30	43%	19	58%	11	18%			18	50%
14	>75% Guestrooms Have Digital Thermostats	31	94%	20	95%	11	91%			19	95%
15	>75% Bathroom Occupancy Sensors	31	35%	20	40%	11	27%			19	32%
16	>75% Meeting Room Digital Thermostats	31	68%	20	65%	11	73%			19	74%
17	>75% Meeting Room Occupancy Sensors	30	13%	20	10%	10	20%			19	11%
18	High Efficiency Boilers (>85% efficiency)	32	56%	21	57%	11	55%	5	40%	19	58%
19	High Efficient Chillers (>0.5 kW/ton)	32	69%	21	76%	11	55%	5	80%	19	74%
20	Energy Sub-metering	32	69%	21	81%	11	45%	5	60%	19	63%
21	- Fitness Facility	22	59%	17	65%	5	40%			12	75%
22	- Food & Beverage Facilities	21	90%	17	88%					12	100%
23	- Guestrooms	21	95%	17	94%					12	100%
24	- Public Spaces	21	95%	17	94%					12	100%
25	Energy Tracking	32	100%	21	100%	11	100%	5	100%	19	100%
26	Benchmarking Energy among Peers	31	90%	21	90%	10	90%	5	60%	18	100%
27	Energy Audit	32	56%	21	62%	11	45%	5	20%	19	58%
28	Recover Waste Heat For Reuse	30	37%	21	43%	9	22%	5	60%	18	33%
29	- Kitchen	9	33%	8	25%					6	17%
30	- Laundry	9	56%	8	63%					6	67%
31	- Guestrooms	9	44%	8	50%					6	50%
32	- Generator	9	22%	8	25%					6	17%
33	- Exhaust Air	8	25%	7	29%					5	20%
34	Gray Water	9	44%	8	38%					6	33%
35	Electric Vehicles	28	21%	19	32%	9	0%			17	24%
36	Recycling in Common Areas	31	77%	21	76%	10	80%	5	80%	19	74%
37	Recycling Bins in Guestrooms	30	67%	20	60%	10	80%			19	68%
38	Guestrooms with Bulk Soap/Shampoo Dispensers	31	35%	20	15%	11	73%			19	26%
39	Waste and Recycling Tracking	31	81%	20	85%	11	73%	4	75%	19	79%
40	Soap Donation	31	45%	21	48%	10	40%	5	60%	19	42%
41	Food Waste Disposal	31	71%	21	67%	10	80%	5	20%	19	79%

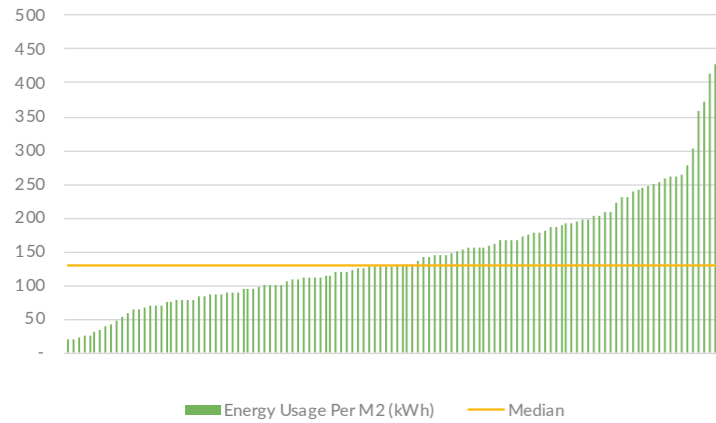
INDIA		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- Landfill/incinerator	15	13%	11	18%					12	17%
43	- On-site waste digester machine	16	38%	12	33%					12	42%
44	- On-site compost	21	76%	14	71%	7	86%			15	73%
45	- Off-site compost/organic waste treatment facility	15	40%	9	33%	6	50%			10	40%
46	- Off-site animal feed	16	38%	12	50%					11	36%
47	Waste Audit	32	31%	21	33%	11	27%	5	40%	19	26%
48	Food Waste Generated Measured	32	88%	21	81%	11	100%	5	100%	19	84%
49	Food Donation	31	3%	20	0%	11	9%			19	0%
50	Edible Excess Food Not Donated	32	88%	21	81%	11	100%	5	100%	19	84%
51	Food Prevention Strategies	32	72%	21	81%	11	55%	5	80%	19	63%
52	- Training	24	79%	18	83%	6	67%			13	85%
53	- Adjusting portion size	23	100%	18	100%	5	100%			12	100%
54	- Redesign menu	23	87%	18	83%	5	100%			12	75%
55	- Change size of serving vessel	22	64%	17	65%	5	60%			11	64%
56	Water Filtration/Hydration Station	28	57%	17	53%	11	64%			17	65%
57	- Guestrooms	13	69%	8	75%	5	60%			10	70%
58	- Meeting Facilities	16	88%	9	100%	7	71%			12	92%
59	- Food and Beverage Facilities	16	94%	9	100%	7	86%			12	92%
60	- Fitness Facilities	15	80%	8	63%	7	100%			11	73%
61	Single-Use Plastics Elimination Strategies	28	86%	18	83%	10	90%			18	89%
62	- Guestrooms	24	88%	15	93%	9	78%			16	88%
63	- Food and Beverage Facilities	23	100%	14	100%	9	100%			16	100%
64	- Other Guest-Facing Facilities	23	96%	14	100%	9	89%			16	94%
65	- Back of House	23	87%	14	86%	9	89%			16	81%
66	Single-Use Plastics Eliminated	30	43%	20	50%	10	30%			19	37%
67	>75% Automatic Sensor Touchless Faucets	20	25%	14	14%	6	50%			13	15%
68	>75% Low-Flow Toilets	28	89%	18	89%	10	90%	5	80%	15	87%
69	>75% Efficient Faucets	28	93%	19	89%	9	100%	5	100%	15	87%
70	>75% Efficient Showerheads	25	88%	16	81%	9	100%	5	80%	13	85%
71	Water Tracking	31	100%	20	100%	11	100%	5	100%	18	100%
72	Graywater Reuse	30	83%	19	100%	11	55%			18	83%
73	Water Sub-Metering	30	57%	19	74%	11	27%			18	44%
74	- Guestrooms	17	82%	13	92%					9	78%
75	- Food & Beverage Facilities	16	69%	13	77%					8	63%
76	- Fitness Facility	16	31%	13	38%					8	25%
77	- Swimming Pool	18	72%	15	80%					9	67%
78	- Landscaping/grounds keeping	18	72%	15	73%					9	44%
79	Native or Drought-Tolerant Landscaping	28	46%	17	53%	11	36%			18	44%
80	Preventive Maintenance Program	32	100%	21	100%	11	100%	5	100%	19	100%
81	Written Environmental Policy(ies)	31	77%	20	75%	11	82%			19	74%
82	Green Practices Shared on Website	30	53%	19	47%	11	64%			19	42%

INDIA		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	Green Champion	32	81%	21	86%	11	73%	5	80%	19	84%
84	Green Team	32	59%	21	71%	11	36%	5	40%	19	74%
85	Green Team Budget	31	26%	20	30%	11	18%			19	32%
86	Staff Training	32	88%	21	100%	11	64%	5	80%	19	95%
87	Employee Volunteering Opportunities During Work Hours	32	97%	21	100%	11	91%	5	100%	19	95%
88	Staff Recognition	31	74%	20	70%	11	82%	5	60%	19	74%
89	Comment/Suggestion Process	31	81%	20	85%	11	73%	5	80%	19	79%
90	Green Cleaning Products Certified By A Third Party	32	69%	21	71%	11	64%	5	60%	19	63%
91	Green Initiatives Communication in Guestrooms	30	63%	19	68%	11	55%			19	68%
92	Involve Guest to Support Green Initiatives	31	61%	20	60%	11	64%	5	80%	19	47%
93	Reward Program for Sustainable Guests	30	17%	19	5%	11	36%			19	11%
94	>75% of Overnight Guests Asking About Carbon Offsetting	28	18%	17	12%	11	27%			18	11%
95	>75% Meeting Customers Asking about Sustainability Initiatives	28	21%	17	18%	11	27%			18	17%
96	3rd-party Certification	28	29%	18	33%	10	20%			17	29%
97	Carbon Footprint Measured	31	74%	20	80%	11	64%			19	74%
98	Local Procurement Policy	31	87%	20	90%	11	82%			19	79%
99	Procurement Requirements	30	67%	19	74%	11	55%			19	63%
100	- Contractors	20	90%	14	86%	6	100%			12	100%
101	- Service Providers	20	95%	14	93%	6	100%			12	100%
102	- Suppliers	20	95%	14	93%	6	100%			12	100%
103	- Other	16	88%	10	80%	6	100%			10	80%
104	Vegetable Garden	31	13%	20	5%	11	27%			19	11%
105	Beekeeping	30	3%	19	5%	11	0%			18	6%
106	Low-VOC Or VOC-Free Paints In Renovations/Additions	31	68%	20	70%	11	64%	5	80%	18	78%
107	HVAC Filters Routinely Checked	31	90%	20	95%	11	82%	5	100%	18	100%
108	Air Purification System	31	74%	20	80%	11	64%	5	100%	18	72%
109	Vegetarian Menu Options	31	94%	20	100%	11	82%	5	80%	18	94%
110	Sustainable Seafood Procurement	28	68%	18	72%	10	60%			16	75%
111	>75% Seafood Purchased Sustainably Certified	24	50%	16	50%	8	50%			15	33%
112	F&B Purchases are Fair Trade Items	25	84%	16	81%	9	89%			16	81%
113	Evaluate Suppliers In Human Rights Areas	26	69%	16	56%	10	90%			16	69%

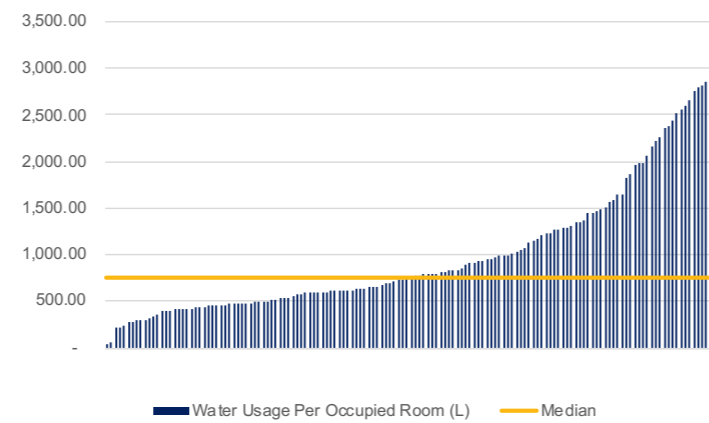
INDONESIA



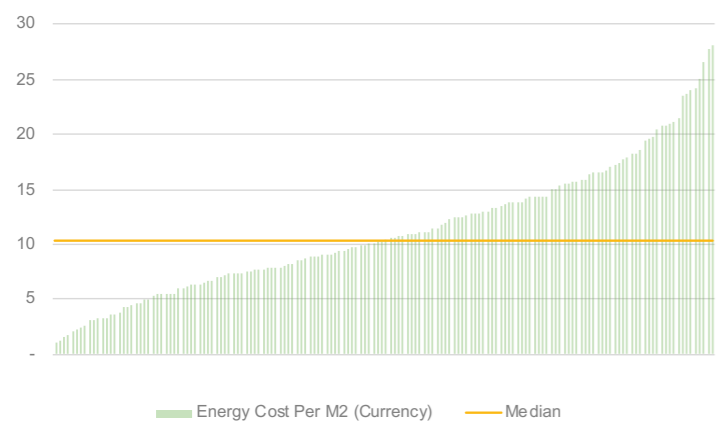
Energy Usage Per Square Metre (kWh)



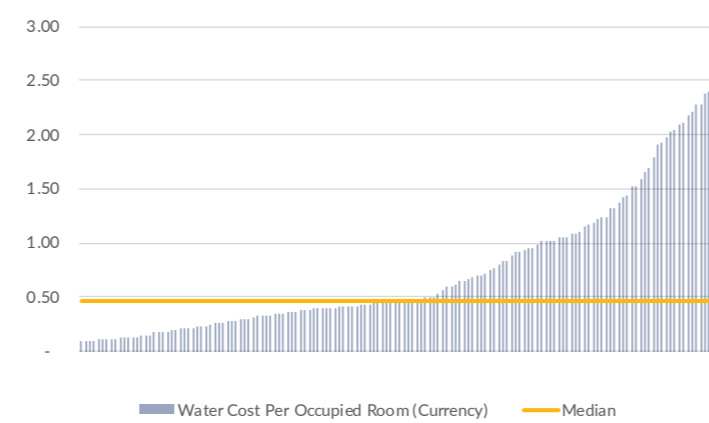
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (USD)



Water Cost Per Occupied Room (USD)



INDONESIA		ENERGY (KWh)				WATER (L)				GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	120	163	156	186	128	144	134	148	124	164
	High	446	429	28.02	20.28	5,014	2,964	3.13	2.48	359	301
	Mean	147	114	11.18	6.28	1,603	987	0.97	0.73	108	78
	Q3	188	141	14.52	8.32	2,045	1,280	1.50	1.03	128	93
	Median	130	72	10.37	5.33	1,434	753	0.76	0.46	93	52
	Q1	89	45	7.00	3.32	689	494	0.29	0.29	65	32
	Low	20	14	1.10	0.11	75	47	0.10	0.10	12	10
FULL SERVICE	Count	76	90	95	94	82	75	79	78	77	91
	High	446	429	28.02	20.28	5,014	2,964	3.01	2.48	339	301
	Mean	147	156	10.80	7.95	1,656	1,267	0.90	0.92	103	107
	Q3	178	193	14.19	11.18	2,234	1,730	1.38	1.30	119	137
	Median	129	109	10.44	6.71	1,484	1,010	0.60	0.70	90	75
	Q1	83	65	7.04	4.49	615	641	0.26	0.39	59	46
	Low	20	32	1.29	0.12	95	290	0.10	0.10	12	20
LIMITED SERVICE	Count	44	73	61	92	46	69	55	70	47	73
	High	277	316	27.72	16.44	4,217	2,265	3.13	1.79	359	132
	Mean	148	63	11.77	4.57	1,508	682	1.08	0.51	117	41
	Q3	192	78	15.56	6.17	1,932	842	1.61	0.63	139	57
	Median	132	48	10.29	3.90	1,407	592	0.89	0.38	97	35
	Q1	95	33	7.01	2.60	921	432	0.39	0.24	68	24
	Low	64	14	1.10	0.11	75	47	0.10	0.10	45	10
AIRPORT	Count	6	7	7	8	5	6	6	7	6	7
	High	199	112	20.80	12.21	1,992	991	2.78	1.18	152	83
	Mean	128	52	14.19	5.38	1,573	643	1.47	0.58	95	39
	Q3	153	79	17.92	6.94	1,875	775	1.63	0.94	115	60
	Median	123	32	15.56	4.55	1,444	651	1.41	0.30	92	24
	Q1	92	23	10.18	2.72	1,283	507	0.96	0.24	64	16
	Low	76	14	6.74	1.39	1,271	289	0.69	0.21	58	10
RESORT	Count	37	39	38	35	34	26	36	32	39	39
	High	446	407	28.02	20.28	4,852	2,964	3.01	2.40	359	294
	Mean	127	166	8.27	9.47	1,682	1,434	0.89	0.93	100	113
	Q3	156	248	10.40	11.78	2,506	1,802	1.20	1.28	114	134
	Median	102	124	7.40	8.98	1,429	1,314	0.48	0.88	77	83
	Q1	48	85	3.88	5.73	587	845	0.24	0.43	36	57
	Low	20	32	1.29	2.64	95	456	0.10	0.13	12	21
CITY/ URBAN	Count	55	79	74	97	59	76	60	74	56	79
	High	302	429	27.72	17.98	4,208	2,856	3.13	2.48	325	279
	Mean	155	98	12.05	5.87	1,494	939	0.94	0.72	111	65
	Q3	192	113	14.34	6.93	1,950	1,172	1.40	1.00	128	73
	Median	146	67	11.18	4.83	1,373	666	0.70	0.43	110	47
	Q1	110	41	8.03	3.29	808	470	0.30	0.31	75	29
	Low	66	15	1.76	0.12	213	68	0.13	0.10	50	11
CONVENTION/ CONFERENCE	Count	12	18	16	19	12	13	12	15	13	18
	High	232	407	17.21	15.05	5,014	2,071	2.07	1.38	323	258
	Mean	152	112	11.91	6.68	1,940	934	1.18	0.73	121	75
	Q3	192	122	15.41	7.22	2,193	1,176	1.81	0.93	140	86
	Median	150	74	12.17	6.18	1,511	741	1.28	0.68	106	51
	Q1	124	59	8.68	5.12	1,257	595	0.60	0.53	87	40
	Low	64	33	5.44	0.73	321	290	0.14	0.11	45	20

INDONESIA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		CONVEN/CONF		BED & BREAKFAST (B&B)	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	236	81%	136	83%	100	77%	8	63%	59	90%	111	78%	23	70%	26	81%
2	Opt-Out Linen Reuse	236	40%	136	46%	100	33%	8	25%	59	42%	111	40%	23	39%	26	42%
3	At Least 75% LED Lighting	236	80%	136	79%	100	82%	8	75%	59	81%	111	84%	23	61%	26	73%
4	Variable Frequency Drives	236	85%	136	86%	100	83%	8	88%	59	90%	111	79%	23	96%	26	88%
5	- Main Air Handling Units	236	37%	136	43%	100	28%	8	25%	59	44%	111	36%	23	39%	26	19%
6	- Kitchen Hoods	236	42%	136	49%	100	32%	8	50%	59	39%	111	37%	23	74%	26	27%
7	- Elevators	236	68%	136	67%	100	69%	8	75%	59	59%	111	66%	23	91%	26	69%
8	- Water Pumps	236	72%	136	71%	100	74%	8	88%	59	81%	111	60%	23	91%	26	81%
9	- Refrigeration Units	236	50%	136	51%	100	47%	8	50%	59	49%	111	43%	23	74%	26	50%
10	Renewable Power Generated?	236	18%	136	21%	100	14%	8	25%	59	24%	111	14%	23	26%	26	12%
11	Carbon Offsets or Renewable Energy Certificate Purchase	236	3%	136	2%	100	5%	8	0%	59	2%	111	5%	23	0%	26	8%
12	RECs, Green Tariffs, Feed-In Tariffss or PPA	236	1%	136	0%	100	3%	8	25%	59	0%	111	1%	23	0%	26	0%
13	>75% Guestrooms Have Digital Thermostats	236	34%	136	37%	100	31%	8	0%	59	39%	111	32%	23	39%	26	31%
14	>75% Meeting Room Digital Thermostats	236	42%	136	45%	100	38%	8	13%	59	42%	111	41%	23	57%	26	31%
15	>75% Meeting Room Occupancy Sensors	236	33%	136	35%	100	31%	8	0%	59	37%	111	36%	23	17%	26	27%
16	High Efficiency Boilers (>85% efficiency)	236	38%	136	43%	100	31%	8	63%	59	46%	111	32%	23	43%	26	31%
17	High Efficient Chillers (>0.5 kW/ton)	236	43%	136	45%	100	40%	8	50%	59	47%	111	42%	23	35%	26	35%
18	Energy Sub-metering	236	43%	136	46%	100	39%	8	38%	59	54%	111	41%	23	39%	26	23%
19	- Fitness Facility	236	16%	136	23%	100	7%	8	13%	59	24%	111	15%	23	22%	26	0%
20	- Food & Beverage Facilities	236	39%	136	40%	100	36%	8	25%	59	49%	111	38%	23	35%	26	15%
21	- Guestrooms	236	20%	136	24%	100	14%	8	13%	59	34%	111	14%	23	22%	26	12%
22	- Public Spaces	236	22%	136	25%	100	19%	8	13%	59	27%	111	23%	23	22%	26	8%
23	Energy Tracking	236	96%	136	96%	100	96%	8	100%	59	98%	111	95%	23	96%	26	92%
24	Benchmarking Energy among Peers	236	57%	136	54%	100	61%	8	50%	59	68%	111	53%	23	52%	26	54%
25	Energy Audit	236	61%	136	67%	100	52%	8	88%	59	69%	111	57%	23	43%	26	65%
26	Recover Waste Heat For Reuse	236	21%	136	21%	100	21%	8	0%	59	17%	111	24%	23	22%	26	15%
27	- Kitchen	236	1%	136	1%	100	1%	8	0%	59	0%	111	2%	23	0%	26	0%
28	- Laundry	236	1%	136	1%	100	0%	8	0%	59	2%	111	0%	23	0%	26	0%
29	- Guestrooms	236	1%	136	1%	100	1%	8	0%	59	0%	111	1%	23	4%	26	0%
30	- Generator	236	0%	136	0%	100	0%	8	0%	59	0%	111	0%	23	0%	26	0%
31	- Exhaust Air	236	0%	136	1%	100	0%	8	0%	59	0%	111	1%	23	0%	26	0%
32	- Gray Water	236	0%	136	1%	100	0%	8	0%	59	2%	111	0%	23	0%	26	0%
33	Electric Vehicles	236	9%	136	13%	100	3%	8	0%	59	25%	111	4%	23	0%	26	4%
34	Recycling in Common Areas	236	87%	136	89%	100	84%	8	100%	59	90%	111	81%	23	96%	26	88%
35	Recycling Bins in Guestrooms	236	36%	136	35%	100	39%	8	0%	59	47%	111	33%	23	39%	26	35%
36	Guestrooms with Bulk Soap/Shampoo Dispensers	236	53%	136	48%	100	59%	8	50%	59	51%	111	47%	23	57%	26	85%
37	Waste and Recycling Tracking	236	45%	136	46%	100	44%	8	50%	59	66%	111	41%	23	35%	26	27%
38	Soap Donation	236	28%	136	33%	100	21%	8	25%	59	58%	111	14%	23	17%	26	31%
39	Food Waste Disposal	236	31%	136	35%	100	27%	8	50%	59	39%	111	30%	23	35%	26	19%
40	- Landfill/incinerator	236	11%	136	13%	100	8%	8	25%	59	15%	111	8%	23	9%	26	8%
41	- On-site waste digester machine	236	0%	136	0%	100	1%	8	0%	59	0%	111	1%	23	0%	26	0%

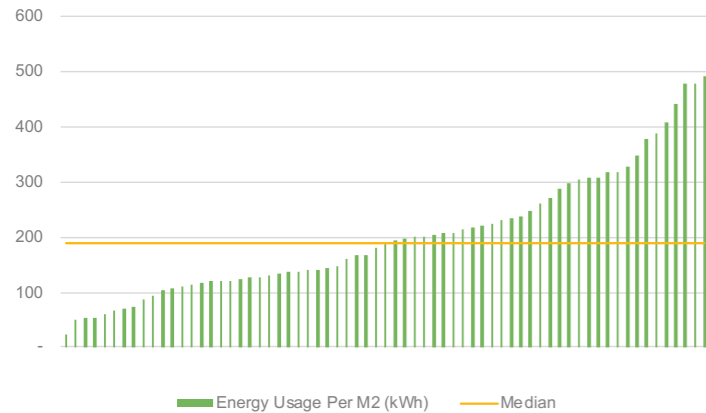
INDONESIA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		CONVEN/CONF		BED & BREAKFAST (B&B)	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- On-site compost	236	6%	136	7%	100	6%	8	0%	59	7%	111	5%	23	17%	26	4%
43	- Off-site compost/organic waste treatment facility	236	14%	136	15%	100	12%	8	25%	59	17%	111	15%	23	9%	26	8%
44	- Off-site animal feed	236	0%	136	0%	100	0%	8	0%	59	0%	111	0%	23	0%	26	0%
45	Waste Audit	236	39%	136	43%	100	33%	8	25%	59	59%	111	30%	23	35%	26	35%
46	Food Waste Generated Measured	236	63%	136	65%	100	59%	8	63%	59	85%	111	58%	23	48%	26	50%
47	Food Donation	236	19%	136	24%	100	13%	8	50%	59	24%	111	16%	23	17%	26	12%
48	Food Prevention Strategies	236	71%	136	77%	100	62%	8	50%	59	92%	111	63%	23	74%	26	65%
49	- Training	236	50%	136	57%	100	40%	8	13%	59	75%	111	39%	23	65%	26	42%
50	- Adjusting portion size	236	64%	136	71%	100	56%	8	38%	59	83%	111	59%	23	65%	26	58%
51	- Redesign menu	236	57%	136	62%	100	50%	8	38%	59	76%	111	52%	23	57%	26	46%
52	- Change size of serving vessel	236	47%	136	49%	100	46%	8	50%	59	51%	111	41%	23	61%	26	54%
53	Water Filtration/Hydration Station	236	22%	136	24%	100	18%	8	25%	59	34%	111	16%	23	26%	26	12%
54	- Guestrooms	236	17%	136	19%	100	14%	8	0%	59	31%	111	14%	23	17%	26	8%
55	- Meeting Facilities	236	17%	136	19%	100	14%	8	25%	59	24%	111	12%	23	26%	26	12%
56	- Food and Beverage Facilities	236	15%	136	18%	100	11%	8	0%	59	20%	111	13%	23	26%	26	8%
57	- Fitness Facilities	236	17%	136	20%	100	13%	8	13%	59	27%	111	14%	23	22%	26	4%
58	Single-Use Plastics Elimination Strategies	236	79%	136	85%	100	71%	8	88%	59	88%	111	75%	23	74%	26	81%
59	- Guestrooms	236	75%	136	79%	100	69%	8	88%	59	85%	111	67%	23	74%	26	81%
60	- Food and Beverage Facilities	236	78%	136	85%	100	70%	8	75%	59	88%	111	72%	23	83%	26	81%
61	- Other Guest-Facing Facilities	236	72%	136	78%	100	65%	8	75%	59	85%	111	66%	23	70%	26	77%
62	- Back of House	236	73%	136	79%	100	64%	8	88%	59	83%	111	67%	23	70%	26	77%
63	>75% Low-Flow Toilets	204	75%	121	73%	83	77%	8	75%	52	71%	92	75%	21	81%	23	74%
64	>75% Efficient Faucets	165	75%	97	73%	68	76%	5	60%	46	80%	75	75%	18	72%	16	63%
65	>75% Efficient Showerheads	169	72%	102	72%	67	73%	6	67%	45	80%	74	70%	17	65%	21	67%
66	Water Tracking	236	92%	136	93%	100	90%	8	88%	59	95%	111	90%	23	91%	26	92%
67	Graywater Reuse	236	32%	136	38%	100	23%	8	50%	59	61%	111	23%	23	17%	26	8%
68	Water Sub-Metering	236	46%	136	48%	100	44%	8	38%	59	66%	111	42%	23	30%	26	27%
69	- Guestrooms	236	22%	136	27%	100	14%	8	25%	59	39%	111	13%	23	17%	26	19%
70	- Food & Beverage Facilities	236	38%	136	38%	100	38%	8	25%	59	53%	111	35%	23	26%	26	19%
71	- Fitness Facility	236	17%	136	24%	100	6%	8	0%	59	29%	111	13%	23	4%	26	4%
72	- Swimming Pool	236	31%	136	38%	100	22%	8	25%	59	59%	111	24%	23	17%	26	4%
73	- Landscaping/grounds keeping	236	25%	136	32%	100	15%	8	13%	59	49%	111	19%	23	9%	26	12%
74	Native or Drought-Tolerant Landscaping	236	25%	136	32%	100	17%	8	38%	59	54%	111	18%	23	0%	26	12%
75	Preventive Maintenance Program	236	92%	136	92%	100	93%	8	100%	59	90%	111	91%	23	100%	26	96%
76	Written Environmental Policy(ies)	236	81%	136	80%	100	81%	8	88%	59	86%	111	74%	23	78%	26	96%
77	Green Practices Shared on Website	236	57%	136	59%	100	54%	8	50%	59	68%	111	53%	23	52%	26	58%
78	Green Champion	236	62%	136	63%	100	60%	8	63%	59	73%	111	58%	23	61%	26	58%
79	Green Team	236	68%	136	71%	100	64%	8	63%	59	76%	111	62%	23	74%	26	73%
80	Staff Training	236	72%	136	69%	100	76%	8	75%	59	85%	111	63%	23	70%	26	88%
81	Employee Volunteering Opportunities During Work Hours	236	77%	136	77%	100	76%	8	75%	59	86%	111	74%	23	61%	26	81%
82	Staff Recognition	236	48%	136	46%	100	51%	8	50%	59	61%	111	35%	23	57%	26	62%

INDONESIA		ALL		FULL SERVICE		LTD SERVICE		AIRPORT		RESORT		CITY/URBAN		CONVEN/CONF		BED & BREAKFAST (B&B)	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	Comment/Suggestion Process	236	56%	136	62%	100	47%	8	38%	59	78%	111	45%	23	65%	26	46%
84	Green Cleaning Products Certified By A Third Party	236	77%	136	82%	100	71%	8	100%	59	81%	111	72%	23	78%	26	81%
85	Green Initiatives Communication in Guestrooms	236	65%	136	70%	100	59%	8	75%	59	83%	111	57%	23	61%	26	69%
86	Involve Guest to Support Green Initiatives	236	62%	136	63%	100	62%	8	38%	59	76%	111	62%	23	43%	26	54%
87	Reward Program for Sustainable Guests	236	9%	136	10%	100	9%	8	0%	59	12%	111	7%	23	4%	26	19%
88	>75% of Overnight Guests Asking About Carbon Offsetting	236	3%	136	4%	100	1%	8	0%	59	7%	111	1%	23	4%	26	0%
89	>75% Meeting Customers Asking about Sustainability Initiatives	236	5%	136	7%	100	2%	8	13%	59	12%	111	2%	23	4%	26	0%
90	3rd-party Certification	236	36%	136	38%	100	34%	8	50%	59	54%	111	32%	23	9%	26	42%
91	Carbon Footprint Measured	236	44%	136	48%	100	39%	8	38%	59	75%	111	32%	23	39%	26	38%
92	Local Procurement Policy	236	71%	136	78%	100	61%	8	75%	59	86%	111	65%	23	70%	26	65%
93	Procurement Requirements	236	55%	136	59%	100	50%	8	75%	59	71%	111	49%	23	57%	26	46%
94	- Contractors	236	41%	136	46%	100	35%	8	63%	59	59%	111	34%	23	39%	26	35%
95	- Service Providers	236	44%	136	47%	100	40%	8	63%	59	66%	111	36%	23	39%	26	38%
96	- Suppliers	236	53%	136	57%	100	47%	8	63%	59	75%	111	46%	23	43%	26	46%
97	- Other	236	35%	136	35%	100	35%	8	50%	59	56%	111	27%	23	30%	26	35%
98	Beekeeping	236	1%	136	1%	100	1%	8	0%	59	2%	111	0%	23	0%	26	4%
99	Low-VOC Or VOC-Free Paints In Renovations/Additions	236	28%	136	33%	100	21%	8	38%	59	36%	111	27%	23	30%	26	12%
100	HVAC Filters Routinely Checked	236	79%	136	80%	100	78%	8	63%	59	93%	111	77%	23	74%	26	65%
101	Vegetarian Menu Options	236	68%	136	77%	100	55%	8	63%	59	92%	111	64%	23	48%	26	50%
102	Sustainable Seafood Procurement	236	49%	136	57%	100	37%	8	38%	59	63%	111	50%	23	43%	26	23%
103	>75% Seafood Purchased Sustainably Certified	130	47%	77	44%	53	51%	4	25%	32	50%	65	48%	10	60%	13	46%
104	F&B Purchases are Fair Trade Items	169	53%	111	54%	58	52%	3	100%	51	63%	72	47%	17	53%	19	47%
105	Evaluate Suppliers In Human Rights Areas	236	49%	136	56%	100	40%	8	50%	59	69%	111	41%	23	35%	26	42%

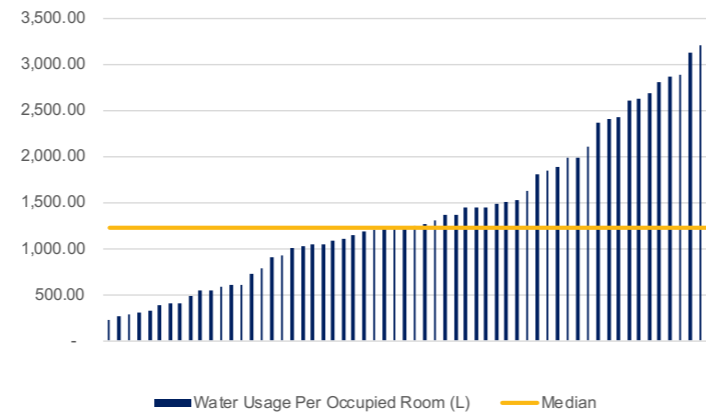
JAPAN



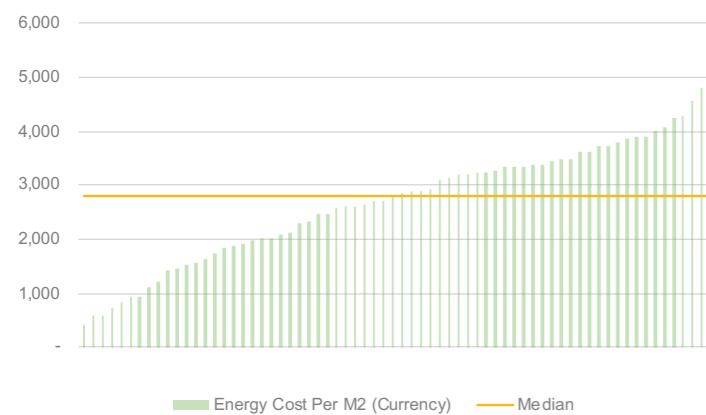
Energy Usage Per Square Metre (kWh)



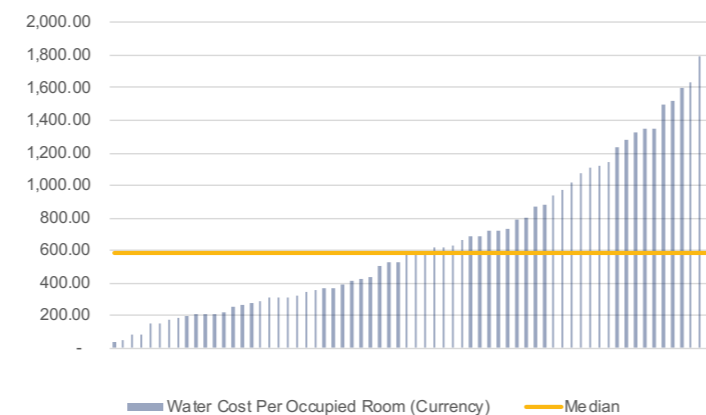
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (JPY)



Water Cost Per Occupied Room (JPY)



JAPAN		ENERGY (KWh)				WATER (L)				GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	67	67	68	68	66	60	65	67	69	67
	High	493	448	4849.51	5087.13	4,271	3,312	1965.59	1810.12	182	158
	Mean	202	171	2688.76	2256.11	1,753	1,415	857.98	683.90	78	66
	Q3	266	244	3445.48	3034.80	2,250	1,916	1245.10	995.96	97	88
	Median	188	151	2813.49	2246.37	1,663	1,235	841.47	585.13	74	59
	Q1	120	72	1913.98	1415.19	999	770	413.86	298.66	52	31
	Low	24	13	395.33	226.51	76	229	29.59	40.79	10	6
FULL SERVICE	Count	54	51	54	54	56	50	54	53	56	51
	High	493	448	4849.51	5087.13	4,114	3,312	1965.59	1810.12	182	158
	Mean	218	210	2618.93	2568.99	1,776	1,603	848.23	769.28	83	80
	Q3	304	280	3376.07	3141.96	2,236	2,073	1268.19	1111.68	103	107
	Median	203	175	2870.82	2572.06	1,748	1,405	833.71	664.42	76	72
	Q1	131	102	1841.70	1842.22	1,152	1,064	414.92	370.32	58	48
	Low	24	57	395.33	226.51	128	229	29.59	40.79	10	25
LIMITED SERVICE	Count	13	16	14	14	10	10	11	14	13	16
	High	235	150	4810.20	1805.69	4,271	1,109	1937.42	1283.79	97	46
	Mean	136	48	2958.11	1049.28	1,624	474	905.83	360.69	57	21
	Q3	159	66	3665.16	1458.80	2,407	539	1216.57	341.92	69	29
	Median	122	41	2749.41	1097.16	1,389	398	895.29	258.70	51	17
	Q1	115	30	2303.73	543.14	589	316	425.07	181.44	40	12
	Low	61	13	1446.01	338.23	76	272	38.84	52.74	30	6
RESORT	Count	17	15	20	20	16	12	14	15	17	15
	High	378	439	3885.26	4396.28	3,732	3,312	1486.90	1810.12	130	158
	Mean	164	217	2010.45	2508.43	1,527	2,068	519.70	810.33	65	90
	Q3	231	285	2673.28	3141.96	2,206	2,691	804.54	1236.46	87	123
	Median	138	196	1979.66	2834.21	1,206	2,106	410.23	630.02	62	81
	Q1	94	141	1057.26	1818.25	870	1,426	241.31	477.61	46	65
	Low	24	71	395.33	226.51	128	605	38.11	82.32	10	31
CITY/ URBAN	Count	44	46	41	43	45	42	46	46	46	46
	High	493	448	4849.51	5087.13	4,271	3,130	1965.59	1806.45	182	156
	Mean	214	164	2965.45	2215.19	1,797	1,287	946.83	676.23	83	61
	Q3	278	247	3480.12	2943.21	2,229	1,528	1392.91	1008.76	101	87
	Median	194	111	3203.20	2195.85	1,636	1,216	891.71	574.21	76	51
	Q1	125	68	2322.30	1329.35	1,158	646	550.13	285.03	55	28
	Low	53	13	710.81	338.23	76	229	29.59	40.79	17	6

JAPAN		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	89	83%	70	91%	19	53%	21	90%	61	82%
2	Opt-Out Linen Reuse	56	54%	51	53%	5	60%	15	67%	36	53%
3	At Least 75% LED Lighting	88	64%	69	57%	19	89%	20	70%	61	64%
4	Variable Frequency Drives	85	72%	67	82%	18	33%	20	85%	58	69%
5	- <i>Main Air Handling Units</i>	54	94%	50	96%			16	100%	34	94%
6	- <i>Kitchen Hoods</i>	52	50%	48	48%			15	53%	33	48%
7	- <i>Elevators</i>	52	75%	48	73%			15	80%	33	79%
8	- <i>Water Pumps</i>	53	81%	49	82%			15	87%	34	76%
9	- <i>Refrigeration Units</i>	51	63%	47	64%			14	64%	33	64%
10	- <i>Other</i>	45	44%	43	44%			13	62%	28	32%
11	Renewable Power Generated?	89	9%	70	6%	19	21%	21	5%	61	10%
12	- <i>Wind Power</i>	10	0%			6	0%			7	0%
13	- <i>Solar PV</i>	10	0%			6	0%			7	0%
14	- <i>Heat Pump</i>	10	70%			6	100%			7	86%
15	- <i>Solar Thermal</i>	10	0%			6	0%			7	0%
16	- <i>Geothermal</i>	10	0%			6	0%			7	0%
17	- <i>Hydroelectric</i>	10	0%			6	0%			7	0%
18	- <i>Cogeneration</i>	11	27%	5	60%	6	0%			8	25%
19	- <i>Other</i>	10	20%			6	0%			7	0%
20	Carbon Offsets or Renewable Energy Certificate Purchase	84	17%	65	12%	19	32%	20	25%	57	16%
21	RECs, Green Tariffs, Feed-In Tariffs or PPA	76	7%	63	8%	13	0%	20	20%	49	2%
22	>75% Guestrooms Have Digital Thermostats	83	69%	66	71%	17	59%	20	80%	57	65%
23	>75% Bathroom Occupancy Sensors	81	22%	64	16%	17	47%	20	15%	55	25%
24	>75% Meeting Room Digital Thermostats	81	51%	64	55%	17	35%	20	60%	56	50%
25	>75% Meeting Room Occupancy Sensors	81	19%	64	14%	17	35%	20	10%	56	23%
26	High Efficiency Boilers (>85% efficiency)	77	49%	68	53%	9	22%	21	52%	51	47%
27	High Efficient Chillers (>0.5 kW/ton)	73	42%	64	45%	9	22%	20	40%	48	44%
28	Energy Sub-metering	85	55%	70	59%	15	40%	21	67%	57	51%
29	- <i>Fitness Facility</i>	44	59%	39	67%	5	0%	13	69%	27	56%
30	- <i>Food & Beverage Facilities</i>	48	96%	41	95%	7	100%	14	93%	30	100%
31	- <i>Guestrooms</i>	47	51%	40	55%	7	29%	14	64%	29	45%
32	- <i>Public Spaces</i>	46	61%	40	60%	6	67%	14	64%	28	57%
33	Energy Tracking	82	94%	66	97%	16	81%	20	100%	57	93%
34	Benchmarking Energy among Peers	83	46%	69	45%	14	50%	21	57%	58	43%
35	Energy Audit	82	45%	67	52%	15	13%	21	52%	56	45%
36	Recover Waste Heat For Reuse	81	14%	68	16%	13	0%	21	24%	57	9%
37	- <i>Kitchen</i>	11	45%	11	45%			5	40%	5	60%
38	- <i>Laundry</i>	11	9%	11	9%			5	0%	5	20%
39	- <i>Guestrooms</i>	11	55%	11	55%			5	40%	5	60%
40	- <i>Generator</i>	11	55%	11	55%			5	80%	5	40%
41	- <i>Exhaust Air</i>	11	91%	11	91%			5	100%	5	80%

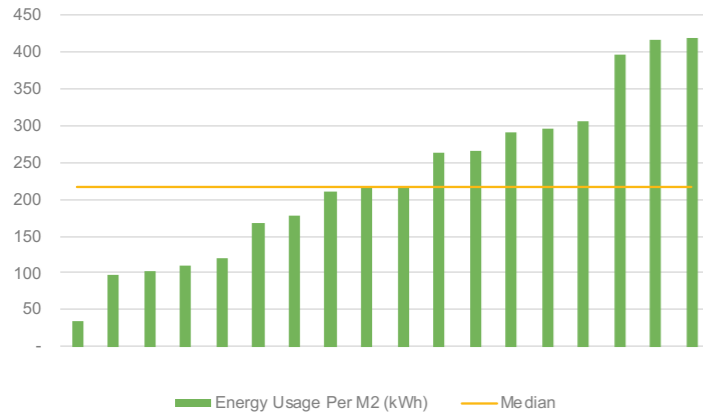
JAPAN		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- Gray Water	11	45%	11	45%			5	40%	5	60%
43	Electric Vehicles	79	35%	62	45%	17	0%	18	67%	55	27%
44	Recycling in Common Areas	87	84%	68	82%	19	89%	20	85%	60	85%
45	Recycling Bins in Guestrooms	87	31%	68	25%	19	53%	20	25%	60	32%
46	Guestrooms with Bulk Soap/Shampoo Dispensers	80	58%	67	51%	13	92%	19	42%	54	59%
47	Waste and Recycling Tracking	87	56%	68	68%	19	16%	20	65%	60	55%
48	Soap Donation	81	23%	68	25%	13	15%	20	20%	54	26%
49	Food Waste Disposal	76	53%	65	58%	11	18%	20	65%	50	46%
50	- Landfill/incinerator	32	41%	32	41%			9	33%	20	35%
51	- On-site waste digester machine	33	6%	32	6%			9	11%	20	5%
52	- On-site compost	35	9%	34	9%			10	10%	21	0%
53	- Off-site compost/organic waste treatment facility	37	35%	36	36%			12	42%	21	29%
54	- Off-site animal feed	34	32%	33	33%			11	45%	19	26%
55	Waste Audit	84	35%	65	37%	19	26%	20	20%	57	42%
56	Food Waste Generated Measured	78	54%	65	58%	13	31%	19	53%	52	54%
57	Food Donation	76	11%	63	8%	13	23%	19	16%	50	8%
58	Edible Excess Food Not Donated	78	54%	65	58%	13	31%	19	53%	52	54%
59	Food Prevention Strategies	71	49%	59	53%	12	33%	18	61%	46	46%
60	- Training	28	43%	26	42%			7	71%	19	32%
61	- Adjusting portion size	33	76%	31	74%			11	91%	20	70%
62	- Redesign menu	31	77%	28	75%			9	89%	20	75%
63	- Change size of serving vessel	32	66%	30	63%			11	100%	19	42%
64	Water Filtration/Hydration Station	75	29%	64	34%	11	0%	18	44%	50	26%
65	- Guestrooms	21	48%	20	45%			7	43%	14	50%
66	- Meeting Facilities	21	48%	20	45%			7	29%	14	57%
67	- Food and Beverage Facilities	21	71%	20	70%			7	57%	14	79%
68	- Fitness Facilities	22	77%	21	76%			9	89%	13	69%
69	Single-Use Plastics Elimination Strategies	70	77%	60	80%	10	60%	17	88%	46	76%
70	- Guestrooms	53	74%	47	74%	6	67%	15	73%	34	76%
71	- Food and Beverage Facilities	53	98%	47	100%	6	83%	15	100%	34	97%
72	- Other Guest-Facing Facilities	49	61%	44	64%	5	40%	13	77%	32	59%
73	- Back of House	50	70%	45	71%	5	60%	13	92%	33	67%
74	Single-Use Plastics Eliminated	73	48%	62	50%	11	36%	17	53%	49	45%
75	>75% Automatic Sensor Touchless Faucets	67	25%	55	16%	12	67%	16	6%	48	31%
76	>75% Low-Flow Toilets	43	56%	33	45%	10	90%	11	55%	30	57%
77	>75% Efficient Faucets	44	34%	39	33%	5	40%	10	20%	31	32%
78	>75% Efficient Showerheads	57	74%	46	67%	11	100%	14	71%	37	73%
79	Water Tracking	80	86%	63	95%	17	53%	17	94%	56	84%
80	Graywater Reuse	80	23%	63	29%	17	0%	17	35%	56	21%
81	Water Sub-Metering	79	58%	62	69%	17	18%	17	65%	55	56%
82	- Guestrooms	44	57%	42	57%			11	73%	29	55%

JAPAN		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	- Food & Beverage Facilities	46	89%	43	88%			11	100%	31	87%
84	- Fitness Facility	42	57%	40	60%			10	70%	28	57%
85	- Swimming Pool	43	63%	41	66%			11	64%	28	64%
86	- Landscaping/grounds keeping	42	45%	40	45%			10	80%	28	36%
87	Native or Drought-Tolerant Landscaping	72	15%	62	16%	10	10%	16	19%	49	14%
88	Preventive Maintenance Program	86	98%	67	97%	19	100%	19	95%	60	98%
89	Written Environmental Policy(ies)	80	53%	67	54%	13	46%	19	58%	54	52%
90	Green Practices Shared on Website	86	45%	67	43%	19	53%	19	53%	60	45%
91	Green Champion	86	59%	67	70%	19	21%	19	68%	60	57%
92	Green Team	86	56%	67	64%	19	26%	19	58%	60	55%
93	Green Team Budget	86	27%	67	31%	19	11%	19	32%	60	23%
94	Staff Training	86	48%	67	46%	19	53%	19	58%	60	47%
95	Employee Volunteering Opportunities During Work Hours	86	58%	67	69%	19	21%	19	84%	60	52%
96	Staff Recognition	86	33%	67	39%	19	11%	19	47%	60	28%
97	Comment/Suggestion Process	86	48%	67	55%	19	21%	19	74%	60	43%
98	Green Cleaning Products Certified By A Third Party	85	35%	66	36%	19	32%	18	50%	60	33%
99	Green Initiatives Communication in Guestrooms	85	46%	66	44%	19	53%	18	44%	60	48%
100	Involve Guest to Support Green Initiatives	86	48%	67	45%	19	58%	19	58%	60	47%
101	Reward Program for Sustainable Guests	86	14%	67	18%	19	0%	19	26%	60	10%
102	>75% of Overnight Guests Asking About Carbon Offsetting	80	23%	67	27%	13	0%	19	32%	54	19%
103	>75% Meeting Customers Asking about Sustainability Initiatives	78	5%	66	6%	12	0%	19	5%	53	6%
104	3rd-party Certification	71	13%	61	13%	10	10%	16	13%	48	15%
105	Carbon Footprint Measured	80	61%	67	72%	13	8%	19	79%	54	57%
106	Local Procurement Policy	79	72%	66	74%	13	62%	18	89%	54	70%
107	Procurement Requirements	85	33%	66	30%	19	42%	18	50%	60	28%
108	- Contractors	28	64%	20	50%	8	100%	9	33%	17	76%
109	- Service Providers	28	50%	20	35%	8	88%	9	33%	17	65%
110	- Suppliers	28	89%	20	85%	8	100%	9	67%	17	100%
111	- Other	22	32%	20	25%			9	22%	11	36%
112	Vegetable Garden	82	9%	64	11%	18	0%	18	11%	57	7%
113	Beekeeping	83	2%	65	3%	18	0%	18	6%	58	2%
114	Low-VOC Or VOC-Free Paints In Renovations/Additions	81	42%	64	48%	17	18%	17	47%	58	38%
115	HVAC Filters Routinely Checked	82	83%	64	92%	18	50%	17	94%	58	79%
116	Air Purification System	83	88%	65	89%	18	83%	18	94%	58	86%
117	Vegetarian Menu Options	74	80%	63	87%	11	36%	16	94%	51	78%
118	Sustainable Seafood Procurement	70	41%	60	43%	10	30%	15	67%	49	37%
119	>75% Seafood Purchased Sustainably Certified	41	15%	35	9%	6	50%	11	0%	27	15%
120	F&B Purchases are Fair Trade Items	70	36%	59	37%	11	27%	15	53%	49	29%
121	Evaluate Suppliers In Human Rights Areas	76	28%	58	34%	18	6%	14	36%	55	27%

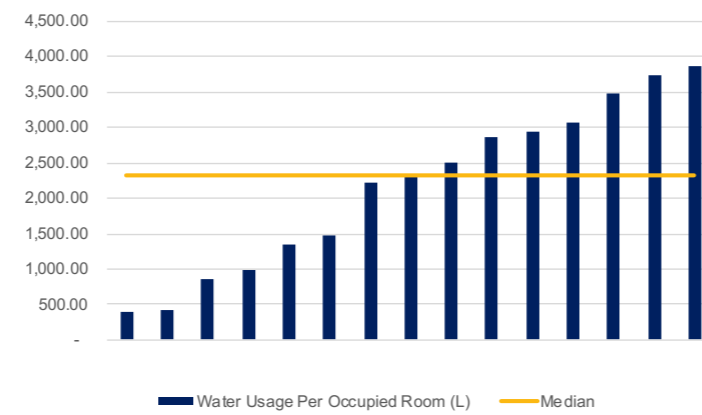
KOREA



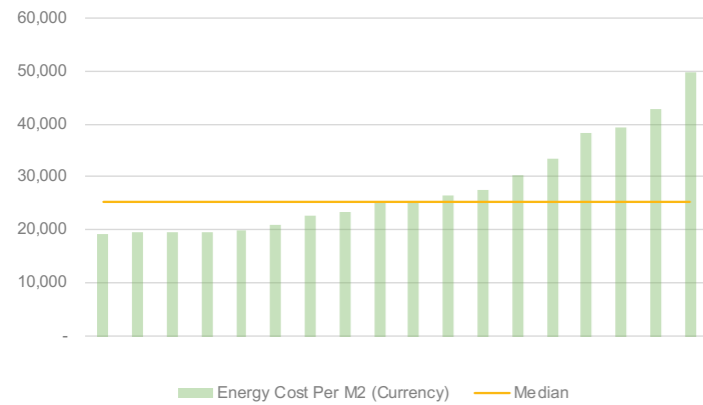
Energy Usage Per Square Metre (kWh)



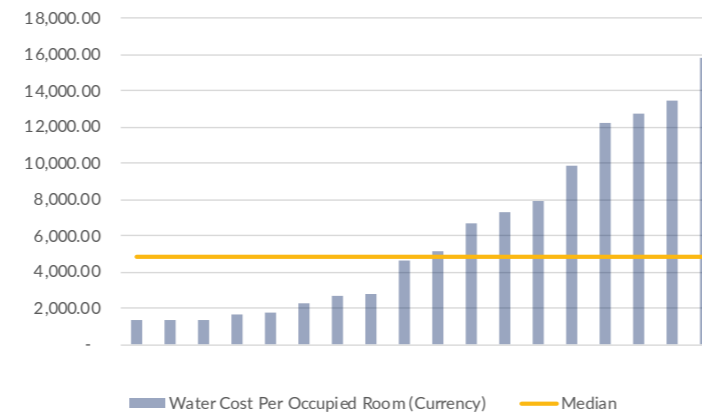
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (KRW)



Water Cost Per Occupied Room (KRW)



KOREA		ENERGY (KWh)				WATER (L)				GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	18	18	18	21	14	15	14	18	18	18
	High	418	578	49732.02	61899.63	3,833	3,863	8293.47	15855.02	151	233
	Mean	228	267	27984.18	27523.49	1,970	2,163	5108.71	6191.65	89	105
	Q3	295	369	32580.18	44238.09	2,305	2,998	7008.82	9436.84	116	138
	Median	217	279	25403.98	20905.46	1,790	2,311	4783.20	4882.69	84	89
	Q1	132	98	20074.13	15412.16	1,447	1,160	3974.74	1945.40	65	50
	Low	36	44	19412.21	5507.79	993	407	1936.49	1329.38	17	19
FULL SERVICE	Count	13	13	13	14	12	12	9	11	13	13
	High	418	578	49732.02	61899.63	3,833	3,863	8293.47	15855.02	151	233
	Mean	266	331	30064.49	33863.92	2,090	2,487	6023.80	8686.67	101	128
	Q3	306	502	38270.97	45839.86	2,374	3,163	7173.22	12508.04	124	193
	Median	265	300	26674.67	36062.85	2,006	2,684	6742.23	7942.01	102	130
	Q1	211	275	22622.57	18042.99	1,471	2,027	4450.45	5932.70	83	85
	Low	96	44	19412.21	5507.79	1,035	432	3621.44	1344.43	47	19
LIMITED SERVICE	Count	5	5	5	7			5	7	5	5
	High	217	149	30400.80	20905.46			5213.95	4638.71	84	57
	Mean	130	100	22575.36	14842.63			3461.56	2270.90	57	45
	Q3	178	107	23497.93	17796.74			4239.27	2507.12	67	57
	Median	120	96	19779.25	16626.40			3931.94	1821.04	64	48
	Q1	102	80	19757.42	11491.13			1986.17	1546.45	51	31
	Low	36	67	19441.40	7790.79			1936.49	1329.38	17	30
CITY/ URBAN	Count	14	14	13	16	10	11	11	14	14	14
	High	415	549	49732.02	61899.63	2,413	3,863	8293.47	15855.02	151	209
	Mean	229	267	28161.50	26943.37	1,738	1,977	4939.91	5596.46	89	105
	Q3	295	348	30400.80	44420.40	2,121	2,684	6919.96	7795.65	116	138
	Median	240	279	25620.02	19752.77	1,724	2,214	4239.27	3717.04	91	89
	Q1	134	117	22622.57	14891.40	1,447	1,160	3776.69	1945.40	65	57
	Low	36	67	19441.40	7790.79	993	407	1936.49	1329.38	17	30

KOREA		ALL		FULL SERVICE		LTD SERVICE		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	24	83%	15	73%	9	100%	18	78%
2	Opt-Out Linen Reuse	19	89%	11	91%	8	88%	13	85%
3	At Least 75% LED Lighting	25	92%	16	88%	9	100%	19	95%
4	Variable Frequency Drives	24	92%	15	93%	9	89%	18	89%
5	- Main Air Handling Units	20	95%	12	92%	8	100%	15	100%
6	- Kitchen Hoods	19	63%	11	64%	8	63%	14	57%
7	- Elevators	20	90%	12	92%	8	88%	14	86%
8	- Water Pumps	20	85%	12	83%	8	88%	14	79%
9	- Refrigeration Units	19	74%	11	73%	8	75%	14	71%
10	- Other	17	53%	10	40%	7	71%	13	46%
11	Renewable Power Generated?	25	16%	16	13%	9	22%	19	21%
12	Carbon Offsets or Renewable Energy Certificate Purchase	24	13%	16	13%	8	13%	18	11%
13	RECs, Green Tariffs, Feed-In Tariffs or PPA	24	13%	16	13%	8	13%	18	11%
14	>75% Guestrooms Have Digital Thermostats	24	96%	16	94%	8	100%	18	94%
15	>75% Bathroom Occupancy Sensors	23	43%	16	31%	7	71%	17	41%
16	>75% Meeting Room Digital Thermostats	24	79%	16	75%	8	88%	18	78%
17	>75% Meeting Room Occupancy Sensors	24	29%	16	31%	8	25%	18	28%
18	High Efficiency Boilers (>85% efficiency)	25	84%	16	88%	9	78%	19	79%
19	High Efficient Chillers (>0.5 kW/ton)	25	84%	16	81%	9	89%	19	84%
20	Energy Sub-metering	25	56%	16	69%	9	33%	19	58%
21	- Fitness Facility	14	86%	10	100%			11	82%
22	- Food & Beverage Facilities	14	93%	10	90%			11	91%
23	- Guestrooms	13	77%	10	70%			10	70%
24	- Public Spaces	13	85%	10	90%			10	80%
25	Energy Tracking	24	100%	15	100%	9	100%	18	100%
26	Benchmarking Energy among Peers	24	42%	15	33%	9	56%	18	50%
27	Energy Audit	25	64%	16	69%	9	56%	19	68%
28	Recover Waste Heat For Reuse	24	21%	16	19%	8	25%	18	22%
29	- Kitchen	5	60%						
30	- Laundry	5	20%						
31	- Guestrooms	5	20%						
32	- Generator	5	20%						
33	- Exhaust Air	5	40%						
34	- Gray Water	5	40%						
35	Electric Vehicles	22	50%	14	71%	8	13%	17	53%
36	Recycling in Common Areas	24	67%	15	53%	9	89%	18	67%
37	Recycling Bins in Guestrooms	24	38%	15	20%	9	67%	18	39%
38	Guestrooms with Bulk Soap/Shampoo Dispensers	24	8%	15	7%	9	11%	18	6%
39	Waste and Recycling Tracking	24	71%	15	67%	9	78%	18	72%
40	Soap Donation	24	25%	15	40%	9	0%	18	22%
41	Food Waste Disposal	24	79%	15	80%	9	78%	18	78%

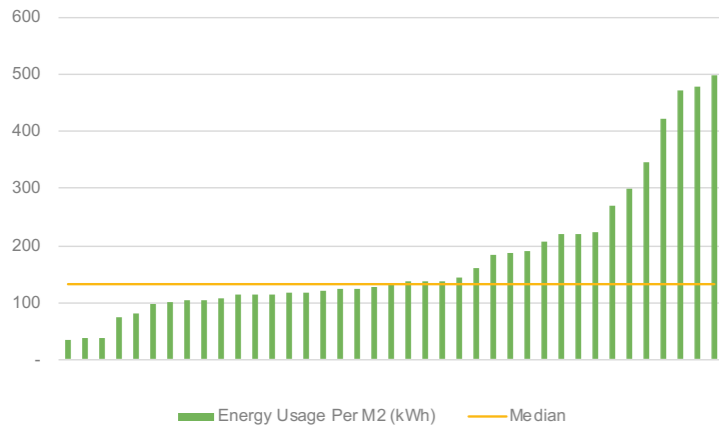
KOREA		ALL		FULL SERVICE		LTD SERVICE		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- Landfill/incinerator	12	33%	8	13%			9	44%
43	- On-site waste digester machine	12	17%	8	13%			9	22%
44	On-site compost	11	9%	7	0%			8	13%
45	- Off-site compost/organic waste treatment facility	16	69%	10	90%	6	33%	12	58%
46	- Off-site animal feed	14	43%	8	50%	6	33%	10	30%
47	Waste Audit	24	38%	15	33%	9	44%	18	39%
48	Food Waste Generated Measured	24	88%	15	93%	9	78%	18	89%
49	Food Donation	24	13%	15	7%	9	22%	18	6%
50	Edible Excess Food Not Donated	24	88%	15	93%	9	78%	18	89%
51	- Food Prevention Strategies	24	50%	15	47%	9	56%	18	50%
52	- Training	12	67%	7	71%	5	60%	9	67%
53	- Adjusting portion size	10	90%	6	83%			8	88%
54	- Redesign menu	10	80%	6	67%			8	75%
55	- Change size of serving vessel	11	100%	7	100%			9	100%
56	Water Filtration/Hydration Station	24	58%	15	60%	9	56%	18	56%
57	- Guestrooms	13	62%	8	50%	5	80%	9	67%
58	- Meeting Facilities	14	71%	9	67%	5	80%	10	70%
59	- Food and Beverage Facilities	15	87%	10	90%	5	80%	11	91%
60	- Fitness Facilities	14	79%	10	80%			10	80%
61	Single-Use Plastics Elimination Strategies	23	78%	14	86%	9	67%	17	76%
62	- Guestrooms	18	89%	11	82%	7	100%	12	92%
63	- Food and Beverage Facilities	19	89%	12	92%	7	86%	13	85%
64	- Other Guest-Facing Facilities	17	65%	10	70%	7	57%	12	67%
65	- Back of House	17	82%	10	80%	7	86%	12	92%
66	Single-Use Plastics Eliminated	24	25%	15	27%	9	22%	18	22%
67	>75% Automatic Sensor Touchless Faucets	15	20%	8	0%	7	43%	11	18%
68	>75% Low-Flow Toilets	21	76%	13	69%	8	88%	15	73%
69	>75% Efficient Faucets	17	59%	9	33%	8	88%	12	58%
70	>75% Efficient Showerheads	15	73%	7	57%	8	88%	10	80%
71	Water Tracking	24	92%	15	93%	9	89%	18	89%
72	Graywater Reuse	24	21%	15	20%	9	22%	18	17%
73	Water Sub-Metering	24	67%	15	73%	9	56%	18	56%
74	- Guestrooms	16	69%	10	60%	6	83%	10	70%
75	- Food & Beverage Facilities	16	81%	10	90%	6	67%	10	80%
76	- Fitness Facility	14	71%	9	78%	5	60%	9	67%
77	- Swimming Pool	12	42%	8	63%			8	38%
78	- Landscaping/grounds keeping	14	64%	9	78%	5	40%	9	56%
79	Native or Drought-Tolerant Landscaping	24	29%	15	27%	9	33%	18	33%
80	Preventive Maintenance Program	24	100%	15	100%	9	100%	18	100%
81	Written Environmental Policy(ies)	24	83%	15	87%	9	78%	18	83%
82	Green Practices Shared on Website	23	57%	14	64%	9	44%	17	71%

KOREA		ALL		FULL SERVICE		LTD SERVICE		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	Green Champion	23	83%	14	86%	9	78%	17	82%
84	Green Team	23	65%	14	71%	9	56%	17	59%
85	Green Team Budget	23	43%	14	36%	9	56%	17	53%
86	Staff Training	23	87%	14	86%	9	89%	17	82%
87	Employee Volunteering Opportunities During Work Hours	24	88%	15	87%	9	89%	18	89%
88	Staff Recognition	23	70%	14	64%	9	78%	17	71%
89	Comment/Suggestion Process	23	83%	14	79%	9	89%	17	82%
90	Green Cleaning Products Certified By A Third Party	24	46%	15	47%	9	44%	18	44%
91	Green Initiatives Communication in Guestrooms	23	78%	14	79%	9	78%	17	76%
92	Involve Guest to Support Green Initiatives	23	48%	14	50%	9	44%	17	41%
93	Reward Program for Sustainable Guests	23	9%	14	7%	9	11%	17	12%
94	>75% of Overnight Guests Asking About Carbon Offsetting	23	0%	14	0%	9	0%	17	0%
95	>75% Meeting Customers Asking about Sustainability Initiatives	23	0%	14	0%	9	0%	17	0%
96	3rd-party Certification	24	21%	15	27%	9	11%	18	11%
97	Carbon Footprint Measured	24	42%	15	40%	9	44%	18	44%
98	Local Procurement Policy	24	50%	15	53%	9	44%	18	50%
99	Procurement Requirements	24	8%	15	7%	9	11%	18	11%
100	Vegetable Garden	24	21%	15	27%	9	11%	18	17%
101	Beekeeping	24	0%	15	0%	9	0%	18	0%
102	Low-VOC Or VOC-Free Paints In Renovations/Additions	24	75%	15	80%	9	67%	18	78%
103	HVAC Filters Routinely Checked	24	92%	15	100%	9	78%	18	89%
104	Air Purification System	24	79%	15	73%	9	89%	18	78%
105	Vegetarian Menu Options	23	83%	14	93%	9	67%	17	88%
106	Sustainable Seafood Procurement	23	57%	14	79%	9	22%	17	47%
107	>75% Seafood Purchased Sustainably Certified	18	56%	12	50%	6	67%	12	58%
108	F&B Purchases are Fair Trade Items	22	59%	14	50%	8	75%	16	63%
109	Evaluate Suppliers In Human Rights Areas	22	41%	14	57%	8	13%	16	38%

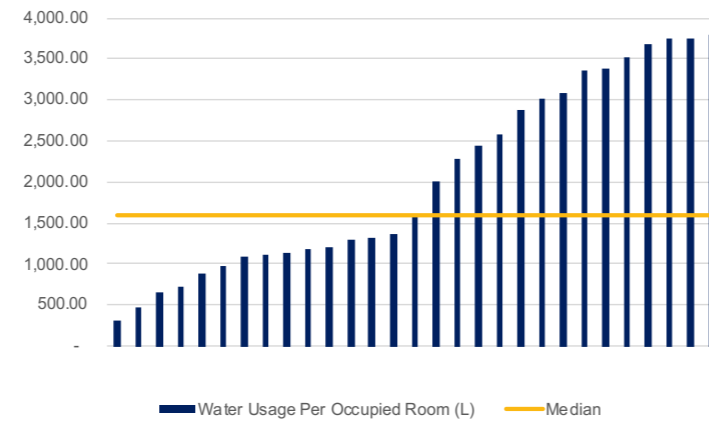
MALAYSIA



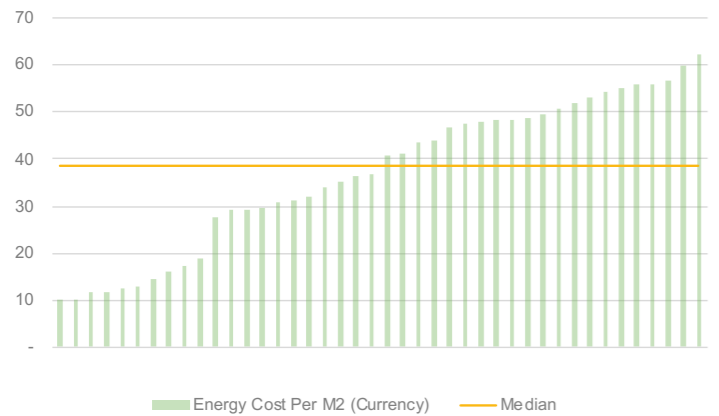
Energy Usage Per Square Metre (kWh)



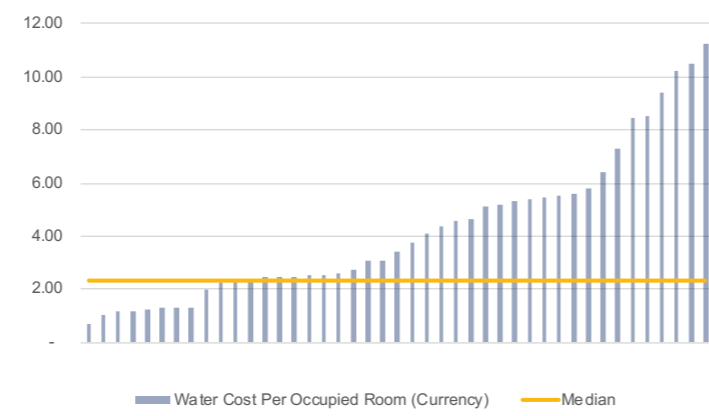
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (MYR)



Water Cost Per Occupied Room (MYR)



MALAYSIA	ENERGY (KWh)				WATER (L)				GHG (KgCO2e)		
	Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR	
ALL	Count	39	50	42	66	36	29	42	43	40	53
	High	499	518	62.26	251.40	4,139	3,787	5.03	11.26	278	374
	Mean	177	224	36.92	85.44	1,367	2,028	2.35	4.25	100	138
	Q3	213	315	49.48	119.87	1,953	3,078	3.68	5.48	110	182
	Median	132	168	38.73	55.14	979	1,584	2.15	3.44	82	93
	Q1	110	112	28.02	37.86	624	1,113	0.91	2.35	66	66
	Low	35	53	9.95	20.01	129	307	0.29	0.70	21	35
FULL SERVICE	Count	35	46	36	51	32	26	37	34	36	48
	High	499	518	62.26	251.40	4,139	3,787	5.03	11.26	278	374
	Mean	172	236	35.33	94.30	1,373	2,060	2.45	4.50	99	142
	Q3	200	332	48.64	151.58	1,953	3,061	3.70	5.59	110	186
	Median	127	186	35.84	55.48	979	1,796	2.26	3.95	81	103
	Q1	105	117	18.43	38.33	696	1,149	1.02	2.38	65	68
	Low	35	64	9.95	22.73	278	307	0.53	0.70	21	39
LIMITED SERVICE	Count			6	15			5	9		5
	High			59.98	122.87			3.91	5.79		269
	Mean			46.45	55.34			1.67	3.28		102
	Q3			54.78	64.80			2.75	5.18		88
	Median			47.14	55.07			1.09	3.08		79
	Q1			41.35	34.19			0.30	2.26		38
	Low			27.67	20.01			0.29	1.07		35
RESORT	Count	8	14	12	15	8	5	12	9	8	15
	High	219	518	56.77	222.67	4,139	3,743	4.84	9.39	92	334
	Mean	117	247	31.84	103.98	1,683	2,730	2.34	4.52	65	160
	Q3	141	338	41.35	162.28	3,030	3,672	3.75	5.32	85	246
	Median	109	195	32.85	66.71	825	3,355	2.17	4.56	70	93
	Q1	79	121	16.15	41.90	494	2,572	0.72	3.10	50	77
	Low	38	71	10.07	22.73	313	307	0.61	0.70	24	40
CITY/ URBAN	Count	29	33	29	46	27	24	29	32	30	35
	High	499	508	62.26	251.40	3,784	3,787	5.03	11.26	278	374
	Mean	194	211	38.79	74.79	1,318	1,882	2.43	3.99	110	129
	Q3	220	289	50.88	86.52	1,900	2,917	3.61	5.39	136	163
	Median	137	137	46.64	50.05	1,013	1,341	2.26	2.65	87	89
	Q1	114	102	29.09	36.94	719	1,109	1.23	2.20	76	62
	Low	35	53	9.95	20.01	129	470	0.29	1.07	21	35

MALAYSIA		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	67	78%	52	79%	15	73%	16	81%	46	78%
2	Opt-Out Linen Reuse	44	70%	38	71%	6	67%	10	80%	32	66%
3	At Least 75% LED Lighting	73	88%	58	88%	15	87%	18	94%	50	86%
4	Variable Frequency Drives	73	79%	58	84%	15	60%	18	78%	50	82%
5	- Main Air Handling Units	73	56%	58	62%	15	33%	18	44%	50	64%
6	- Kitchen Hoods	73	37%	58	43%	15	13%	18	39%	50	40%
7	- Elevators	73	47%	58	53%	15	20%	18	33%	50	54%
8	- Water Pumps	73	62%	58	67%	15	40%	18	67%	50	64%
9	- Refrigeration Units	73	32%	58	33%	15	27%	18	28%	50	36%
10	- Other	73	34%	58	34%	15	33%	18	33%	50	36%
11	Renewable Power Generated?	73	5%	58	5%	15	7%	18	6%	50	6%
12	- Wind Power	73	3%	58	2%	15	7%	18	6%	50	2%
13	- Solar PV	73	3%	58	2%	15	7%	18	6%	50	2%
14	- Heat Pump	73	4%	58	3%	15	7%	18	6%	50	4%
15	- Solar Thermal	73	3%	58	2%	15	7%	18	6%	50	2%
16	- Geothermal	73	3%	58	2%	15	7%	18	6%	50	2%
17	- Hydroelectric	73	3%	58	2%	15	7%	18	6%	50	2%
18	- Cogeneration	73	1%	58	2%	15	0%	18	6%	50	0%
19	- Other	73	4%	58	3%	15	7%	18	6%	50	4%
20	Carbon Offsets or Renewable Energy Certificate Purchase	73	4%	58	3%	15	7%	18	0%	50	6%
21	RECs, Green Tariffs, Feed-In Tariffs or PPA	73	5%	58	5%	15	7%	18	0%	50	6%
22	>75% Guestrooms Have Digital Thermostats	73	70%	58	78%	15	40%	18	72%	50	70%
23	>75% Bathroom Occupancy Sensors	73	21%	58	24%	15	7%	18	11%	50	24%
24	>75% Meeting Room Digital Thermostats	73	53%	58	60%	15	27%	18	50%	50	54%
25	>75% Meeting Room Occupancy Sensors	73	19%	58	21%	15	13%	18	11%	50	20%
26	High Efficiency Boilers (>85% efficiency)	73	37%	58	36%	15	40%	18	28%	50	36%
27	High Efficient Chillers (>0.5 kW/ton)	73	53%	58	53%	15	53%	18	50%	50	54%
28	Energy Sub-metering	73	44%	58	43%	15	47%	18	61%	50	38%
29	- Fitness Facility	24	25%	19	26%	5	20%	9	11%	13	31%
30	- Food & Beverage Facilities	73	26%	58	26%	15	27%	18	28%	50	26%
31	- Guestrooms	73	15%	58	16%	15	13%	18	11%	50	14%
32	- Public Spaces	73	26%	58	28%	15	20%	18	17%	50	30%
33	Energy Tracking	73	95%	58	95%	15	93%	18	100%	50	94%
34	Benchmarking Energy among Peers	69	49%	55	45%	14	64%	17	47%	47	49%
35	Energy Audit	70	40%	56	38%	14	50%	18	44%	47	36%
36	Recover Waste Heat For Reuse	66	14%	53	11%	13	23%	17	18%	44	11%
37	- Kitchen	7	57%								
38	- Laundry	7	43%								
39	- Guestrooms	8	75%	5	80%						
40	- Generator	6	33%								
41	- Exhaust Air	6	33%								

MALAYSIA		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- Gray Water	6	50%								
43	Electric Vehicles	66	21%	53	21%	13	23%	17	18%	44	23%
44	Recycling in Common Areas	69	75%	54	78%	15	67%	16	75%	48	75%
45	Recycling Bins in Guestrooms	69	19%	54	22%	15	7%	16	19%	48	21%
46	Guestrooms with Bulk Soap/Shampoo Dispensers	73	22%	58	19%	15	33%	18	22%	50	24%
47	Waste and Recycling Tracking	69	48%	54	57%	15	13%	16	50%	48	50%
48	Soap Donation	68	26%	53	32%	15	7%	15	27%	48	27%
49	Food Waste Disposal	68	51%	53	55%	15	40%	16	69%	47	49%
50	- Landfill/incinerator	26	65%	23	70%			5	20%	20	75%
51	- On-site waste digester machine	17	6%	14	7%					12	0%
52	- On-site compost	21	38%	18	33%			6	67%	14	29%
53	- Off-site compost/organic waste treatment facility	21	29%	18	33%			6	33%	14	29%
54	- Off-site animal feed	19	5%	16	6%			5	20%	13	0%
55	Waste Audit	68	18%	53	21%	15	7%	17	12%	46	20%
56	Food Waste Generated Measured	68	49%	53	51%	15	40%	16	50%	47	49%
57	Food Donation	68	25%	53	32%	15	0%	16	38%	47	21%
58	Edible Excess Food Not Donated	63	0%	49	0%	14	0%	14	0%	44	0%
59	Food Prevention Strategies	66	39%	51	41%	15	33%	15	40%	46	41%
60	- Training	21	62%	16	69%	5	40%			16	63%
61	- Adjusting portion size	23	74%	18	72%	5	80%	6	83%	16	69%
62	- Redesign menu	23	87%	18	89%	5	80%	5	100%	17	82%
63	- Change size of serving vessel	22	45%	17	35%	5	80%	5	80%	16	31%
64	Water Filtration/Hydration Station	68	75%	53	79%	15	60%	17	82%	46	74%
65	- Guestrooms	46	63%	38	58%	8	88%	12	58%	31	65%
66	- Meeting Facilities	46	63%	38	66%	8	50%	12	42%	31	68%
67	- Food and Beverage Facilities	48	88%	41	85%	7	100%	13	92%	32	84%
68	- Fitness Facilities	48	69%	40	70%	8	63%	14	79%	31	65%
69	Single-Use Plastics Elimination Strategies	66	73%	53	75%	13	62%	16	81%	45	71%
70	- Guestrooms	46	85%	38	87%	8	75%	12	83%	31	87%
71	- Food and Beverage Facilities	48	92%	40	93%	8	88%	13	100%	32	91%
72	- Other Guest-Facing Facilities	45	82%	37	81%	8	88%	12	92%	30	80%
73	- Back of House	44	82%	36	81%	8	88%	11	100%	30	77%
74	Single-Use Plastics Eliminated	66	45%	51	43%	15	53%	15	27%	46	52%
75	>75% Automatic Sensor Touchless Faucets	46	26%	35	23%	11	36%	12	25%	31	26%
76	>75% Low-Flow Toilets	60	67%	46	76%	14	36%	15	60%	40	70%
77	>75% Efficient Faucets	52	58%	38	68%	14	29%	13	62%	34	56%
78	>75% Efficient Showerheads	52	56%	38	66%	14	29%	12	58%	35	57%
79	Water Tracking	69	94%	54	94%	15	93%	18	100%	46	91%
80	Graywater Reuse	69	9%	54	9%	15	7%	18	11%	46	7%
81	Water Sub-Metering	69	39%	54	39%	15	40%	18	56%	46	33%
82	- Guestrooms	25	32%	20	40%	5	0%	9	33%	14	29%

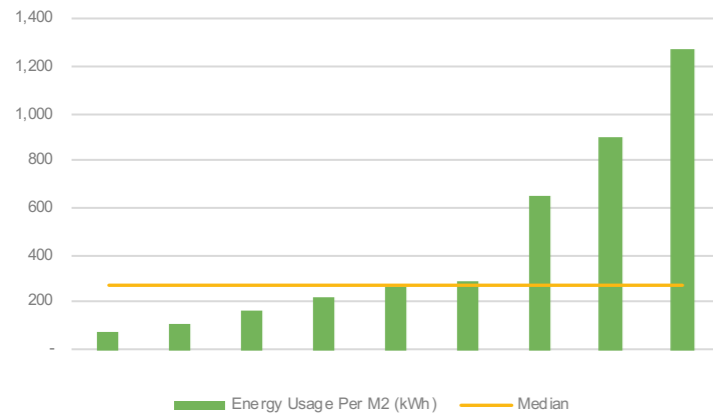
MALAYSIA		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	- Food & Beverage Facilities	25	60%	20	65%	5	40%	9	44%	14	64%
84	- Fitness Facility	25	20%	20	25%	5	0%	9	11%	14	21%
85	- Swimming Pool	27	59%	21	67%	6	33%	10	60%	15	60%
86	- Landscaping/grounds keeping	25	40%	20	45%	5	20%	9	56%	14	29%
87	Native or Drought-Tolerant Landscaping	67	30%	52	37%	15	7%	17	47%	45	24%
88	Preventive Maintenance Program	72	96%	57	96%	15	93%	18	100%	49	94%
89	Written Environmental Policy(ies)	70	74%	55	80%	15	53%	17	82%	48	73%
90	Green Practices Shared on Website	70	53%	55	58%	15	33%	17	53%	48	56%
91	Green Champion	70	53%	55	60%	15	27%	17	41%	48	56%
92	Green Team	70	44%	55	49%	15	27%	17	35%	48	48%
93	Green Team Budget	70	39%	55	42%	15	27%	17	24%	48	46%
94	Staff Training	70	57%	55	67%	15	20%	17	41%	48	65%
95	Employee Volunteering Opportunities During Work Hours	70	81%	55	87%	15	60%	17	82%	48	79%
96	Staff Recognition	70	53%	55	56%	15	40%	17	35%	48	58%
97	Comment/Suggestion Process	70	61%	55	64%	15	53%	17	71%	48	58%
98	Green Cleaning Products Certified By A Third Party	69	61%	54	67%	15	40%	17	53%	47	66%
99	Green Initiatives Communication in Guestrooms	69	68%	54	74%	15	47%	16	56%	48	73%
100	Involve Guest to Support Green Initiatives	69	45%	54	50%	15	27%	16	25%	48	50%
101	Reward Program for Sustainable Guests	69	12%	54	13%	15	7%	16	0%	48	17%
102	>75% of Overnight Guests Asking About Carbon Offsetting	73	5%	58	7%	15	0%	18	6%	50	6%
103	>75% Meeting Customers Asking about Sustainability Initiatives	73	4%	58	5%	15	0%	18	6%	50	4%
104	3rd-party Certification	64	25%	50	26%	14	21%	17	12%	42	26%
105	Carbon Footprint Measured	70	31%	55	36%	15	13%	18	39%	47	32%
106	Local Procurement Policy	69	65%	54	67%	15	60%	17	71%	47	60%
107	Procurement Requirements	70	53%	55	56%	15	40%	17	65%	48	50%
108	- Contractors	35	91%	29	90%	6	100%	10	90%	23	91%
109	- Service Providers	34	94%	28	93%	6	100%	10	90%	22	95%
110	- Suppliers	36	97%	30	97%	6	100%	11	100%	23	96%
111	- Other	29	69%	23	65%	6	83%	8	63%	19	68%
112	Vegetable Garden	71	17%	56	21%	15	0%	18	22%	48	15%
113	Beekeeping	71	3%	56	4%	15	0%	18	6%	48	2%
114	Low-VOC Or VOC-Free Paints In Renovations/Additions	69	54%	54	57%	15	40%	17	53%	47	57%
115	HVAC Filters Routinely Checked	70	89%	55	93%	15	73%	18	94%	47	89%
116	Air Purification System	67	55%	53	60%	14	36%	18	44%	44	61%
117	Vegetarian Menu Options	68	85%	53	87%	15	80%	17	100%	46	80%
118	Sustainable Seafood Procurement	67	52%	52	52%	15	53%	16	63%	46	50%
119	>75% Seafood Purchased Sustainably Certified	47	43%	38	39%	9	56%	12	58%	31	35%
120	F&B Purchases are Fair Trade Items	62	44%	48	52%	14	14%	15	47%	42	45%
121	Evaluate Suppliers In Human Rights Areas	64	44%	49	47%	15	33%	15	67%	44	41%

MALDIVES

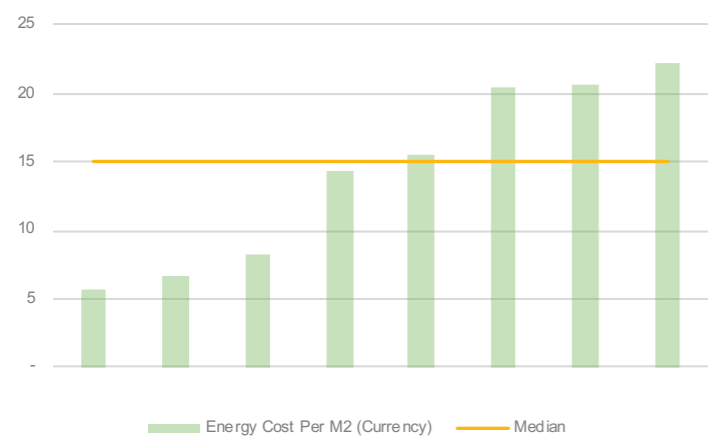


MALDIVES		ENERGY (KWh)			GHG (KgCO2e)	
		Usage PSM	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	9	8	13	7	
	High	1,272	22.15	203.56	95	
	Mean	438	14.23	122.26	58	
	Q3	649	20.46	174.81	81	
	Median	271	14.96	134.59	67	
	Q1	164	7.88	92.50	34	
	Low	81	5.72	24.69	13	
FULL SERVICE	Count	9	8	13	7	
	High	1,272	22.15	203.56	95	
	Mean	438	14.23	122.26	58	
	Q3	649	20.46	174.81	81	
	Median	271	14.96	134.59	67	
	Q1	164	7.88	92.50	34	
	Low	81	5.72	24.69	13	
RESORT	Count	9	8	13	7	
	High	1,272	22.15	203.56	95	
	Mean	438	14.23	122.26	58	
	Q3	649	20.46	174.81	81	
	Median	271	14.96	134.59	67	
	Q1	164	7.88	92.50	34	
	Low	81	5.72	24.69	13	

Energy Usage Per Square Metre (kWh)



Energy Cost Per Square Metre (USD)



MALDIVES		ALL		FULL SERVICE		RESORT	
		COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	15	87%	15	87%	15	87%
2	Opt-Out Linen Reuse	9	78%	9	78%	9	78%
3	At Least 75% LED Lighting	16	100%	16	100%	16	100%
4	Variable Frequency Drives	16	75%	16	75%	16	75%
5	- <i>Main Air Handling Units</i>	8	63%	8	63%	8	63%
6	- <i>Kitchen Hoods</i>	9	67%	9	67%	9	67%
7	- <i>Elevators</i>	7	0%	7	0%	7	0%
8	- <i>Water Pumps</i>	10	100%	10	100%	10	100%
9	- <i>Refrigeration Units</i>	9	67%	9	67%	9	67%
10	- <i>Other</i>	7	71%	7	71%	7	71%
11	Renewable Power Generated?	15	27%	15	27%	15	27%
12	- <i>Other</i>	5	100%	5	100%	5	100%
13	Carbon Offsets or Renewable Energy Certificate Purchase	15	13%	15	13%	15	13%
14	RECs, Green Tariffs, Feed-In Tariffs or PPA	15	7%	15	7%	15	7%
15	>75% Guestrooms Have Digital Thermostats	15	60%	15	60%	15	60%
16	>75% Bathroom Occupancy Sensors	14	7%	14	7%	14	7%
17	>75% Meeting Room Digital Thermostats	15	40%	15	40%	15	40%
18	>75% Meeting Room Occupancy Sensors	15	7%	15	7%	15	7%
19	High Efficiency Boilers (>85% efficiency)	15	87%	15	87%	15	87%
20	High Efficient Chillers (>0.5 kW/ton)	14	64%	14	64%	14	64%
21	Energy Sub-metering	15	80%	15	80%	15	80%
22	- <i>Fitness Facility</i>	9	89%	9	89%	9	89%
23	- <i>Food & Beverage Facilities</i>	12	92%	12	92%	12	92%
24	- <i>Guestrooms</i>	12	83%	12	83%	12	83%
25	- <i>Public Spaces</i>	12	100%	12	100%	12	100%
26	Energy Tracking	15	100%	15	100%	15	100%
27	Benchmarking Energy among Peers	15	67%	15	67%	15	67%
28	Energy Audit	15	53%	15	53%	15	53%
29	Recover Waste Heat For Reuse	15	33%	15	33%	15	33%
30	- <i>Generator</i>	5	100%	5	100%	5	100%
31	Electric Vehicles	15	73%	15	73%	15	73%
32	Recycling in Common Areas	17	82%	17	82%	17	82%
33	Recycling Bins in Guestrooms	17	47%	17	47%	17	47%
34	Guestrooms with Bulk Soap/Shampoo Dispensers	17	65%	17	65%	17	65%
35	Waste and Recycling Tracking	16	88%	16	88%	16	88%
36	Soap Donation	17	24%	17	24%	17	24%
37	Food Waste Disposal	17	82%	17	82%	17	82%
38	- <i>Landfill/incinerator</i>	12	25%	12	25%	12	25%
39	- <i>On-site waste digester machine</i>	11	27%	11	27%	11	27%
40	- <i>On-site compost</i>	11	36%	11	36%	11	36%
41	- <i>Off-site compost/organic waste treatment facility</i>	11	9%	11	9%	11	9%

MALDIVES		ALL		FULL SERVICE		RESORT	
		COUNT	YES	COUNT	YES	COUNT	YES
42	- Off-site compost/organic waste treatment facility	11	9%	11	9%	11	9%
43	- Off-site animal feed	11	18%	11	18%	11	18%
44	Waste Audit	17	47%	17	47%	17	47%
45	Food Waste Generated Measured	17	71%	17	71%	17	71%
46	Food Donation	17	6%	17	6%	17	6%
47	Edible Excess Food Not Donated	17	65%	17	65%	17	65%
48	Food Prevention Strategies	17	71%	17	71%	17	71%
49	- Training	8	88%	8	88%	8	88%
50	- Adjusting portion size	12	100%	12	100%	12	100%
51	- Redesign menu	9	100%	9	100%	9	100%
52	- Change size of serving vessel	8	88%	8	88%	8	88%
53	Water Filtration/Hydration Station	16	56%	16	56%	16	56%
54	- Guestrooms	6	83%	6	83%	6	83%
55	- Meeting Facilities	5	80%	5	80%	5	80%
56	- Food and Beverage Facilities	8	100%	8	100%	8	100%
57	- Fitness Facilities	6	83%	6	83%	6	83%
58	Single-Use Plastics Elimination Strategies	16	88%	16	88%	16	88%
59	- Guestrooms	14	79%	14	79%	14	79%
60	- Food and Beverage Facilities	12	92%	12	92%	12	92%
61	- Other Guest-Facing Facilities	11	91%	11	91%	11	91%
62	- Back of House	12	92%	12	92%	12	92%
63	Single-Use Plastics Eliminated	16	69%	16	69%	16	69%
64	>75% Automatic Sensor Touchless Faucets	16	13%	16	13%	16	13%
65	>75% Low-Flow Toilets	16	50%	16	50%	16	50%
66	>75% Efficient Faucets	16	50%	16	50%	16	50%
67	>75% Efficient Showerheads	16	69%	16	69%	16	69%
68	Water Tracking	16	100%	16	100%	16	100%
69	Graywater Reuse	16	56%	16	56%	16	56%
70	Water Sub-Metering	16	75%	16	75%	16	75%
71	- Guestrooms	10	100%	10	100%	10	100%
72	- Food & Beverage Facilities	11	100%	11	100%	11	100%
73	- Fitness Facility	10	60%	10	60%	10	60%
74	- Swimming Pool	12	75%	12	75%	12	75%
75	- Landscaping/grounds keeping	11	55%	11	55%	11	55%
76	Native or Drought-Tolerant Landscaping	16	69%	16	69%	16	69%
77	Preventive Maintenance Program	16	100%	16	100%	16	100%
78	Written Environmental Policy(ies)	16	75%	16	75%	16	75%
79	Green Practices Shared on Website	16	69%	16	69%	16	69%
80	Green Champion	16	69%	16	69%	16	69%
81	Green Team	16	63%	16	63%	16	63%
82	Green Team Budget	16	44%	16	44%	16	44%

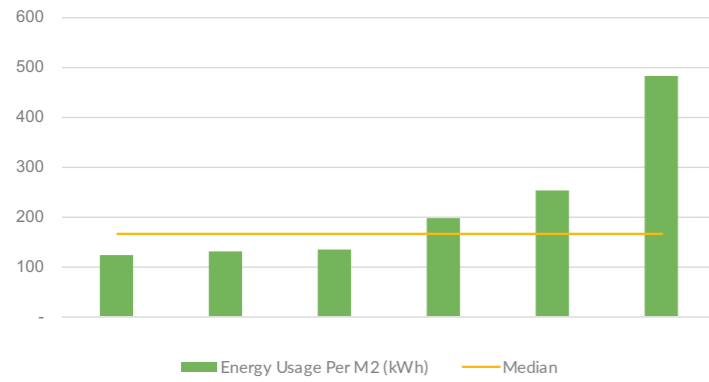
MALDIVES		ALL		FULL SERVICE		RESORT	
		COUNT	YES	COUNT	YES	COUNT	YES
83	Staff Training	16	81%	16	81%	16	81%
84	Employee Volunteering Opportunities During Work Hours	16	88%	16	88%	16	88%
85	Staff Recognition	16	56%	16	56%	16	56%
86	Comment/Suggestion Process	16	56%	16	56%	16	56%
87	Green Cleaning Products Certified By A Third Party	16	81%	16	81%	16	81%
88	Green Initiatives Communication in Guestrooms	16	81%	16	81%	16	81%
89	Involve Guest to Support Green Initiatives	16	75%	16	75%	16	75%
90	Reward Program for Sustainable Guests	16	13%	16	13%	16	13%
91	>75% of Overnight Guests Asking About Carbon Offsetting	15	7%	15	7%	15	7%
92	>75% Meeting Customers Asking about Sustainability Initiatives	15	7%	15	7%	15	7%
93	3rd-party Certification	16	44%	16	44%	16	44%
94	Carbon Footprint Measured	16	56%	16	56%	16	56%
95	Local Procurement Policy	16	81%	16	81%	16	81%
96	Procurement Requirements	16	56%	16	56%	16	56%
97	- Contractors	10	100%	10	100%	10	100%
98	- Service Providers	9	100%	9	100%	9	100%
99	- Suppliers	10	100%	10	100%	10	100%
100	- Other	7	71%	7	71%	7	71%
101	Vegetable Garden	17	12%	17	12%	17	12%
102	Beekeeping	16	0%	16	0%	16	0%
103	Low-VOC Or VOC-Free Paints In Renovations/Additions	16	63%	16	63%	16	63%
104	HVAC Filters Routinely Checked	16	100%	16	100%	16	100%
105	Air Purification System	16	31%	16	31%	16	31%
106	Vegetarian Menu Options	16	100%	16	100%	16	100%
107	Sustainable Seafood Procurement	15	80%	15	80%	15	80%
108	>75% Seafood Purchased Sustainably Certified	14	57%	14	57%	14	57%
109	F&B Purchases are Fair Trade Items	14	71%	14	71%	14	71%
110	Evaluate Suppliers In Human Rights Areas	15	40%	15	40%	15	40%

MYANMAR

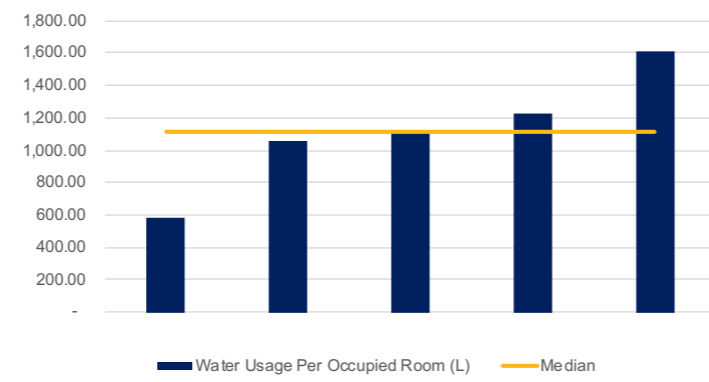


MYANMAR		ENERGY (KWh)				WATER (L)			GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Emissions PSM	Emissions POR
ALL	Count	6	7	6	7	5	5	5	5	7
	High	482	341	59,073.25	62,957.82	859	1,608	285.01	88	114
	Mean	220	229	28,069.05	41,796.51	460	1,120	148.57	57	77
	Q3	238	270	34,471.62	47,110.45	560	1,229	198.00	64	91
	Median	166	221	26,780.29	40,843.95	538	1,116	145.62	47	72
	Q1	133	178	17,403.74	31,942.78	196	1,058	75.13	44	60
	Low	124	148	4,466.83	30,667.35	145	586	39.10	40	52
FULL SERVICE	Count	6	7	6	7	5	5	5	5	7
	High	482	341	59,073.25	62,957.82	859	1,608	285.01	88	114
	Mean	220	229	28,069.05	41,796.51	460	1,120	148.57	57	77
	Q3	238	270	34,471.62	47,110.45	560	1,229	198.00	64	91
	Median	166	221	26,780.29	40,843.95	538	1,116	145.62	47	72
	Q1	133	178	17,403.74	31,942.78	196	1,058	75.13	44	60
	Low	124	148	4,466.83	30,667.35	145	586	39.10	40	52
CITY/ URBAN	Count	6	6	6	6		5		5	6
	High	482	271	59,073.25	62,957.82		1,608		88	94
	Mean	220	211	28,069.05	39,954.52		1,120		57	71
	Q3	238	257	34,471.62	41,240.31		1,229		64	84
	Median	166	206	26,780.29	36,771.94		1,116		47	69
	Q1	133	171	17,403.74	31,564.21		1,058		44	58
	Low	124	148	4,466.83	30,667.35		586		40	52

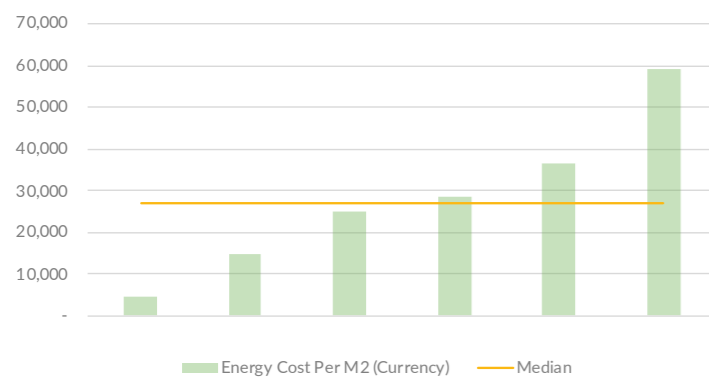
Energy Usage Per Square Metre (kWh)



Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (MMK)



MYANMAR		ALL		FULL SERVICE		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	8	88%	8	88%	7	86%
2	Opt-Out Linen Reuse	5	60%	5	60%		
3	At Least 75% LED Lighting	8	88%	8	88%	7	86%
4	Variable Frequency Drives	8	100%	8	100%	7	100%
5	- Main Air Handling Units	6	67%	6	67%	5	80%
6	- Kitchen Hoods	6	50%	6	50%	5	60%
7	- Elevators	6	33%	6	33%	5	40%
8	- Water Pumps	7	71%	7	71%	6	83%
9	- Refrigeration Units	7	43%	7	43%	6	50%
10	- Other	6	33%	6	33%	5	20%
11	Renewable Power Generated?	8	38%	8	38%	7	43%
12	Carbon Offsets or Renewable Energy Certificate Purchase	8	0%	8	0%	7	0%
13	RECs, Green Tariffs, Feed-In Tariffs or PPA	8	13%	8	13%	7	14%
14	>75% Guestrooms Have Digital Thermostats	7	100%	7	100%	6	100%
15	>75% Bathroom Occupancy Sensors	8	63%	8	63%	7	71%
16	>75% Meeting Room Digital Thermostats	8	75%	8	75%	7	86%
17	>75% Meeting Room Occupancy Sensors	8	13%	8	13%	7	14%
18	High Efficiency Boilers (>85% efficiency)	8	50%	8	50%	7	57%
19	High Efficient Chillers (>0.5 kW/ton)	8	50%	8	50%	7	57%
20	Energy Sub-metering	8	50%	8	50%	7	57%
21	Energy Tracking	8	100%	8	100%	7	100%
22	Benchmarking Energy among Peers	8	63%	8	63%	7	71%
23	Energy Audit	8	75%	8	75%	7	71%
24	Recover Waste Heat For Reuse	8	0%	8	0%	7	0%
25	Electric Vehicles	8	25%	8	25%	7	29%
26	Recycling in Common Areas	7	86%	7	86%	6	83%
27	Recycling Bins in Guestrooms	7	43%	7	43%	6	33%
28	Guestrooms with Bulk Soap/Shampoo Dispensers	7	29%	7	29%	6	33%
29	Waste and Recycling Tracking	7	71%	7	71%	6	67%
30	Soap Donation	7	100%	7	100%	6	100%
31	Food Waste Disposal	7	71%	7	71%	6	67%
32	- Off-site animal feed	5	80%	5	80%		
33	Waste Audit	7	71%	7	71%	6	67%
34	Food Waste Generated Measured	7	71%	7	71%	6	67%
35	Food Donation	7	57%	7	57%	6	67%
36	Edible Excess Food Not Donated	7	71%	7	71%	6	67%
37	Food Prevention Strategies	7	57%	7	57%	6	50%
38	Water Filtration/Hydration Station	6	100%	6	100%	5	100%
39	- Guestrooms	5	100%	5	100%	5	100%
40	- Meeting Facilities	5	100%	5	100%	5	100%
41	- Food and Beverage Facilities	5	100%	5	100%	5	100%
42	- Fitness Facilities	6	83%	6	83%	5	80%
43	Single-Use Plastics Elimination Strategies	7	100%	7	100%	6	100%

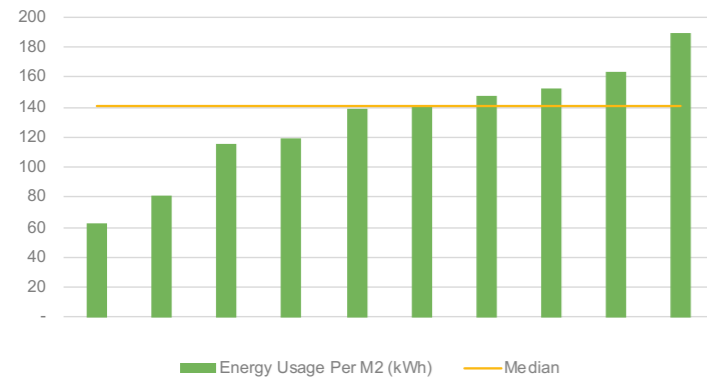
MYANMAR		ALL		FULL SERVICE		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES
44	- Guestrooms	6	100%	6	100%	5	100%
45	- Food and Beverage Facilities	6	100%	6	100%	5	100%
46	- Other Guest-Facing Facilities	6	83%	6	83%	5	80%
47	- Back of House	6	83%	6	83%	5	80%
48	Single-Use Plastics Eliminated	7	29%	7	29%	6	33%
49	>75% Automatic Sensor Touchless Faucets	8	100%	8	100%	7	100%
50	>75% Low-Flow Toilets	8	88%	8	88%	7	86%
51	>75% Efficient Faucets	8	63%	8	63%	7	57%
52	>75% Efficient Showerheads	8	88%	8	88%	7	86%
53	Water Tracking	8	100%	8	100%	7	100%
54	Graywater Reuse	8	25%	8	25%	7	14%
55	Water Sub-Metering	8	13%	8	13%	7	14%
56	Native or Drought-Tolerant Landscaping	7	57%	7	57%	6	50%
57	Preventive Maintenance Program	8	100%	8	100%	7	100%
58	Written Environmental Policy(ies)	8	75%	8	75%	7	71%
59	Green Practices Shared on Website	8	88%	8	88%	7	86%
60	Green Champion	8	100%	8	100%	7	100%
61	Green Team	7	100%	7	100%	6	100%
62	Green Team Budget	8	63%	8	63%	7	71%
63	Staff Training	8	100%	8	100%	7	100%
64	Employee Volunteering Opportunities During Work Hours	7	100%	7	100%	6	100%
65	Staff Recognition	7	57%	7	57%	6	50%
66	Comment/Suggestion Process	7	71%	7	71%	6	67%
67	Green Cleaning Products Certified By A Third Party	7	71%	7	71%	6	67%
68	Green Initiatives Communication in Guestrooms	7	71%	7	71%	6	67%
69	Involve Guest to Support Green Initiatives	7	57%	7	57%	6	50%
70	Reward Program for Sustainable Guests	7	57%	7	57%	6	50%
71	>75% of Overnight Guests Asking About Carbon Offsetting	7	57%	7	57%	6	50%
72	>75% Meeting Customers Asking about Sustainability Initiatives	7	86%	7	86%	6	83%
73	3rd-party Certification	7	29%	7	29%	6	33%
74	Carbon Footprint Measured	7	29%	7	29%	6	33%
75	Local Procurement Policy	7	86%	7	86%	6	83%
76	Procurement Requirements	7	43%	7	43%	6	33%
77	Vegetable Garden	8	25%	8	25%	7	29%
78	Beekeeping	7	14%	7	14%	6	17%
79	Low-VOC Or VOC-Free Paints In Renovations/Additions	6	33%	6	33%	5	40%
80	HVAC Filters Routinely Checked	8	100%	8	100%	7	100%
81	Air Purification System	8	88%	8	88%	7	86%
82	Vegetarian Menu Options	8	100%	8	100%	7	100%
83	Sustainable Seafood Procurement	7	86%	7	86%	6	83%
84	>75% Seafood Purchased Sustainably Certified	7	57%	7	57%	6	67%
85	F&B Purchases are Fair Trade Items	7	100%	7	100%	6	100%
86	Evaluate Suppliers In Human Rights Areas	6	67%	6	67%	5	60%

PHILIPPINES

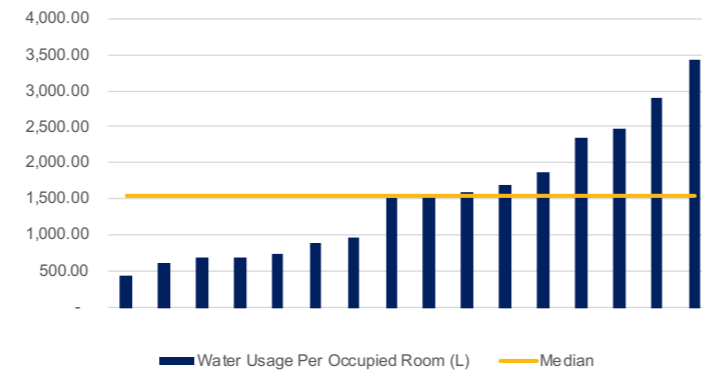


PHILIPPINES		ENERGY (KWh)				WATER (L)				GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	10	14	13	15	14	16	15	14	12	14
	High	189	321	1839.00	2005.73	4,103	3,426	312.88	189.36	293	219
	Mean	131	152	1087.98	943.40	1,723	1,530	133.99	97.30	110	98
	Q3	151	214	1493.93	1257.46	2,235	1,988	169.59	137.98	108	144
	Median	140	158	951.82	662.00	1,216	1,538	104.50	100.95	86	98
	Q1	116	67	704.34	556.10	881	739	71.71	49.33	75	42
	Low	63	19	429.88	353.87	553	442	42.05	19.32	40	13
FULL SERVICE	Count	8	11	9	11	10	12	11	10	10	11
	High	189	321	1839.00	2005.73	4,103	3,426	312.88	189.36	293	219
	Mean	128	176	1090.10	1098.19	1,753	1,801	146.69	111.91	117	115
	Q3	155	226	1493.93	1479.88	2,235	2,375	216.15	144.34	124	151
	Median	130	199	951.82	1039.69	1,388	1,649	116.57	121.87	89	124
	Q1	107	116	704.34	583.38	881	1,374	66.66	70.44	80	68
	Low	63	49	442.79	504.59	629	613	42.05	27.15	40	33
CITY/ URBAN	Count	9	12	13	15	13	15	14	13	11	12
	High	189	321	1839.00	2005.73	4,103	3,426	312.88	189.36	293	219
	Mean	137	159	1087.98	943.40	1,807	1,529	139.31	93.56	115	103
	Q3	152	222	1493.93	1257.46	2,265	2,105	179.91	132.44	116	150
	Median	142	158	951.82	662.00	1,229	1,534	110.54	94.36	87	98
	Q1	119	88	704.34	556.10	920	728	80.23	46.41	80	54
	Low	63	49	429.88	353.87	553	442	42.05	19.32	40	24

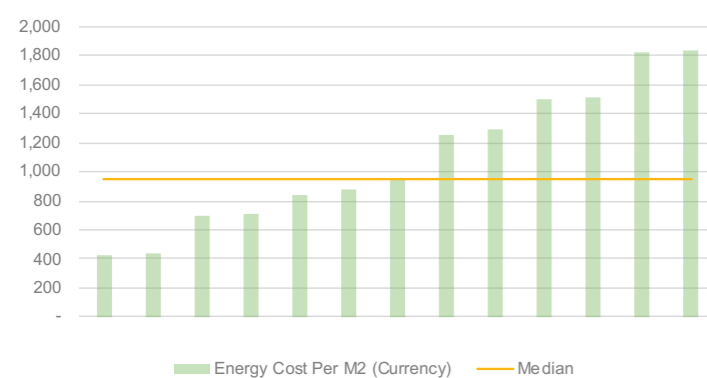
Energy Usage Per Square Metre (kWh)



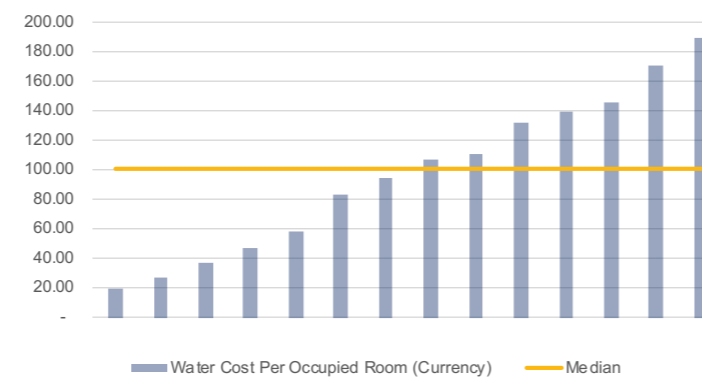
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (PHP)



Water Cost Per Occupied Room (PHP)



PHILIPPINES		ALL		FULL SERVICE		LIMITED SERVICE		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES		
1	Towel Reuse Program?	26	46%	11	91%	15	13%	24	42%
2	Opt-Out Linen Reuse	12	67%	10	80%			10	70%
3	At Least 75% LED Lighting	30	90%	12	92%	18	89%	28	93%
4	Variable Frequency Drives	30	43%	12	83%	18	17%	28	43%
5	- <i>Main Air Handling Units</i>	11	91%	8	100%			10	90%
6	- <i>Kitchen Hoods</i>	11	45%	8	38%			10	50%
7	- <i>Elevators</i>	12	42%	9	44%			11	36%
8	- <i>Water Pumps</i>	11	91%	8	88%			10	90%
9	- <i>Refrigeration Units</i>	11	55%	9	67%			10	50%
10	- <i>Other</i>	10	50%	8	63%			10	50%
11	Renewable Power Generated?	29	7%	12	17%	17	0%	27	7%
12	- <i>Wind Power</i>	14	0%			13	0%	14	0%
13	- <i>Solar PV</i>	14	0%			13	0%	14	0%
14	- <i>Heat Pump</i>	15	100%			13	100%	15	100%
15	- <i>Solar Thermal</i>	14	0%			13	0%	14	0%
16	- <i>Geothermal</i>	14	0%			13	0%	14	0%
17	- <i>Hydroelectric</i>	14	0%			13	0%	14	0%
18	- <i>Cogeneration</i>	14	0%			13	0%	14	0%
19	- <i>Other</i>	14	0%			13	0%	14	0%
20	Carbon Offsets or Renewable Energy Certificate Purchase	15	0%	11	0%			13	0%
21	RECs, Green Tariffs, Feed-In Tariffs or PPA	15	13%	11	18%			13	15%
22	>75% Guestrooms Have Digital Thermostats	29	90%	12	92%	17	88%	27	93%
23	>75% Bathroom Occupancy Sensors	16	44%	12	58%			14	43%
24	>75% Meeting Room Digital Thermostats	16	69%	12	83%			14	71%
25	>75% Meeting Room Occupancy Sensors	16	25%	12	33%			14	29%
26	High Efficiency Boilers (>85% efficiency)	16	44%	12	58%			14	43%
27	High Efficient Chillers (>0.5 kW/ton)	16	63%	12	75%			14	64%
28	Energy Sub-metering	16	56%	12	67%			14	64%
29	- <i>Fitness Facility</i>	8	38%	7	43%			8	38%
30	- <i>Food & Beverage Facilities</i>	8	63%	7	71%			8	63%
31	- <i>Guestrooms</i>	8	63%	7	57%			8	63%
32	- <i>Public Spaces</i>	9	78%	8	75%			9	78%
33	Energy Tracking	15	100%	11	100%			13	100%
34	Benchmarking Energy among Peers	28	89%	11	91%	17	88%	26	92%
35	Energy Audit	28	75%	11	45%	17	94%	26	77%
36	Recover Waste Heat For Reuse	29	21%	12	50%	17	0%	27	19%
37	- <i>Laundry</i>	5	60%	5	60%				
38	- <i>Guestrooms</i>	6	67%	6	67%			5	80%
39	Electric Vehicles	28	7%	11	18%	17	0%	26	8%
40	Recycling in Common Areas	30	93%	12	92%	18	94%	28	93%
41	Recycling Bins in Guestrooms	30	17%	12	25%	18	11%	28	11%

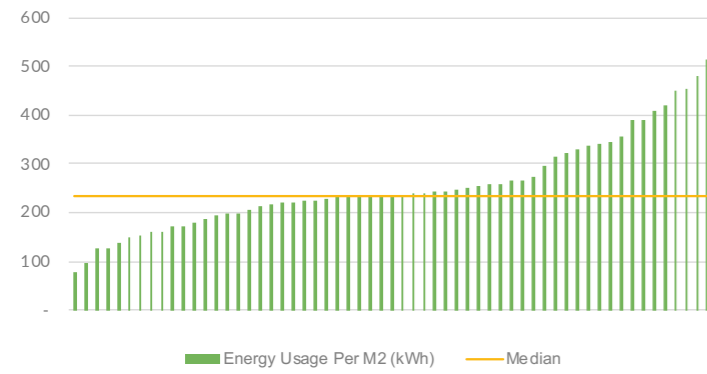
PHILIPPINES		ALL		FULL SERVICE		LTD SERVICE		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	Guestrooms with Bulk Soap/Shampoo Dispensers	30	57%	12	17%	18	83%	28	57%
43	Waste and Recycling Tracking	30	83%	12	75%	18	89%	28	86%
44	Soap Donation	30	33%	12	58%	18	17%	28	32%
45	Food Waste Disposal	30	50%	12	92%	18	22%	28	50%
46	- Landfill/incinerator	10	70%	7	57%			10	70%
47	- On-site waste digester machine	10	10%	7	14%			10	10%
48	- On-site compost	11	9%	8	13%			11	9%
49	- Off-site compost/organic waste treatment facility	12	33%	9	33%			12	33%
50	- Off-site animal feed	14	43%	10	50%			13	38%
51	Waste Audit	30	63%	12	50%	18	72%	28	64%
52	Food Waste Generated Measured	30	37%	12	58%	18	22%	28	36%
53	Food Donation	30	10%	12	25%	18	0%	28	7%
54	Edible Excess Food Not Donated	30	37%	12	58%	18	22%	28	36%
55	Food Prevention Strategies	30	47%	12	83%	18	22%	28	46%
56	- Training	12	83%	9	89%			11	82%
57	- Adjusting portion size	11	100%	8	100%			10	100%
58	- Redesign menu	12	92%	9	89%			11	91%
59	- Change size of serving vessel	12	75%	9	67%			11	73%
60	Water Filtration/Hydration Station	17	59%	12	67%	5	40%	15	67%
61	- Guestrooms	7	43%	6	50%			7	43%
62	- Meeting Facilities	9	67%	8	75%			9	67%
63	- Food and Beverage Facilities	9	89%	8	88%			9	89%
64	- Fitness Facilities	9	67%	8	75%			9	67%
65	Single-Use Plastics Elimination Strategies	15	93%	10	90%	5	100%	13	100%
66	- Guestrooms	11	91%	7	86%			10	90%
67	- Food and Beverage Facilities	13	92%	9	100%			12	100%
68	- Other Guest-Facing Facilities	12	92%	8	100%			11	100%
69	- Back of House	11	100%	7	100%			10	100%
70	Single-Use Plastics Eliminated	16	19%	11	27%	5	0%	14	21%
71	>75% Automatic Sensor Touchless Faucets	28	57%	12	25%	16	81%	27	56%
72	>75% Low-Flow Toilets	30	83%	12	75%	18	89%	28	86%
73	>75% Efficient Faucets	16	69%	12	67%			14	71%
74	>75% Efficient Showerheads	27	93%	9	89%	18	94%	25	96%
75	Water Tracking	30	57%	12	100%	18	28%	28	54%
76	Graywater Reuse	30	10%	12	17%	18	6%	28	7%
77	Water Sub-Metering	30	30%	12	67%	18	6%	28	32%
78	- Guestrooms	9	22%	8	25%			9	22%
79	- Food & Beverage Facilities	9	78%	8	75%			9	78%
80	- Fitness Facility	9	22%	8	25%			9	22%
81	- Swimming Pool	9	44%	8	50%			9	44%
82	- Landscaping/grounds keeping	9	22%	8	13%			9	22%

PHILIPPINES		ALL		FULL SERVICE		LTD SERVICE		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	Native or Drought-Tolerant Landscaping	30	37%	12	67%	18	17%	28	36%
84	Preventive Maintenance Program	30	100%	12	100%	18	100%	28	100%
85	Written Environmental Policy(ies)	30	97%	12	100%	18	94%	28	96%
86	Green Practices Shared on Website	30	67%	12	42%	18	83%	28	64%
87	Green Champion	30	80%	12	67%	18	89%	28	79%
88	Green Team	30	40%	12	67%	18	22%	28	36%
89	Green Team Budget	30	33%	12	67%	18	11%	28	29%
90	Staff Training	30	90%	12	92%	18	89%	28	89%
91	Employee Volunteering Opportunities During Work Hours	30	100%	12	100%	18	100%	28	100%
92	Staff Recognition	30	43%	12	92%	18	11%	28	43%
93	Comment/Suggestion Process	30	43%	12	83%	18	17%	28	43%
94	Green Cleaning Products Certified By A Third Party	29	86%	11	82%	18	89%	27	93%
95	Green Initiatives Communication in Guestrooms	30	33%	12	75%	18	6%	28	32%
96	Involve Guest to Support Green Initiatives	30	80%	12	75%	18	83%	28	82%
97	Reward Program for Sustainable Guests	29	7%	11	18%	18	0%	27	7%
98	>75% of Overnight Guests Asking About Carbon Offsetting	30	3%	12	8%	18	0%	28	4%
99	>75% Meeting Customers Asking about Sustainability Initiatives	30	3%	12	8%	18	0%	28	0%
100	3rd-party Certification	17	47%	12	67%	5	0%	15	47%
101	Carbon Footprint Measured	30	43%	12	75%	18	22%	28	43%
102	Local Procurement Policy	30	100%	12	100%	18	100%	28	100%
103	Procurement Requirements	30	40%	12	75%	18	17%	28	39%
104	- Contractors	25	96%	9	100%	16	94%	24	96%
105	- Service Providers	26	96%	9	100%	17	94%	24	96%
106	- Suppliers	25	100%	9	100%	16	100%	24	100%
107	- Other	8	75%	6	67%			8	75%
108	Vegetable Garden	30	17%	12	42%	18	0%	28	18%
109	Beekeeping	30	7%	12	17%	18	0%	28	7%
110	Low-VOC Or VOC-Free Paints In Renovations/Additions	30	50%	12	100%	18	17%	28	46%
111	HVAC Filters Routinely Checked	30	53%	12	100%	18	22%	28	50%
112	Air Purification System	30	47%	12	83%	18	22%	28	46%
113	Vegetarian Menu Options	30	50%	12	100%	18	17%	28	50%
114	Sustainable Seafood Procurement	29	38%	12	92%	17	0%	27	37%
115	>75% Seafood Purchased Sustainably Certified	24	13%	10	30%	14	0%	22	14%
116	F&B Purchases are Fair Trade Items	29	34%	12	75%	17	6%	27	33%
117	Evaluate Suppliers In Human Rights Areas	30	80%	12	75%	18	83%	28	82%

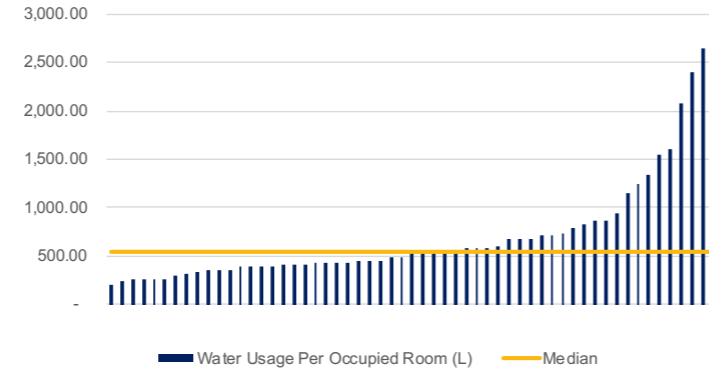
SINGAPORE



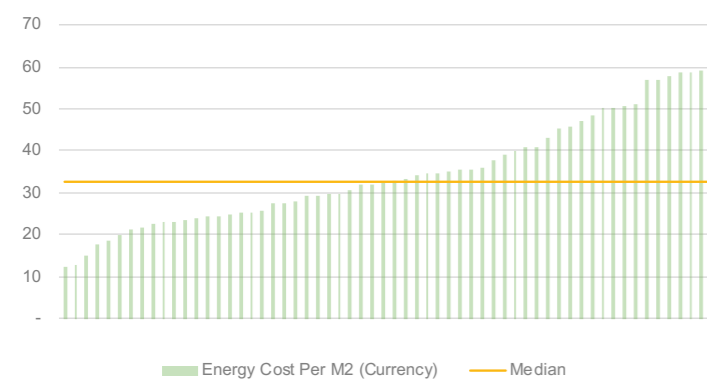
Energy Usage Per Square Metre (kWh)



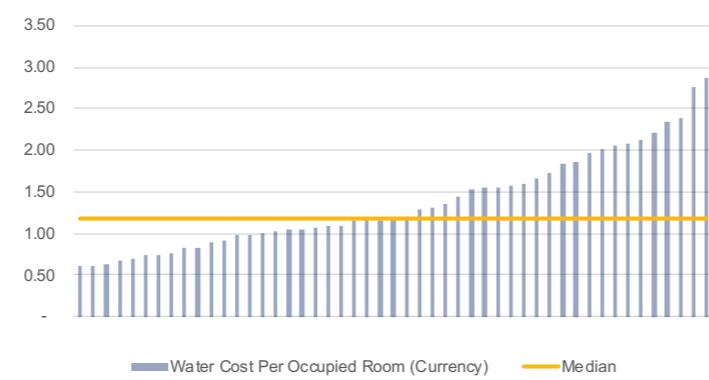
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (SGD)



Water Cost Per Occupied Room (SGD)



SINGAPORE		ENERGY (KWh)				WATER (L)				GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	59	49	60	60	52	57	48	49	60	50
	High	512	276	63.34	22.59	3,388	2,794	8.99	2.88	181	101
	Mean	255	88	34.79	8.60	2,160	716	5.89	1.37	92	33
	Q3	304	95	43.70	10.99	2,730	726	7.26	1.72	101	35
	Median	235	64	32.62	6.96	2,153	539	5.86	1.18	89	23
	Q1	198	43	24.81	5.41	1,722	398	4.60	0.98	74	16
	Low	77	25	12.19	2.81	165	203	2.09	0.60	28	8
FULL SERVICE	Count	49	37	50	48	42	46	42	40	50	39
	High	512	276	63.34	22.59	3,250	2,794	8.99	2.88	169	101
	Mean	251	104	33.04	9.12	2,153	792	5.88	1.44	90	38
	Q3	272	130	38.28	11.73	2,644	853	7.23	1.89	99	39
	Median	235	83	31.31	7.74	2,153	565	5.86	1.19	89	30
	Q1	197	57	24.38	5.80	1,707	416	4.65	1.01	74	22
	Low	77	32	12.19	2.81	365	257	2.09	0.60	28	8
LIMITED SERVICE	Count	10	12	10	12	10	11	6	9	10	11
	High	479	69	58.97	13.72	3,388	586	8.70	1.58	181	21
	Mean	274	38	43.55	6.52	2,189	400	5.99	1.09	103	14
	Q3	342	43	49.71	7.00	3,198	521	8.09	1.35	128	16
	Median	228	34	45.56	6.18	2,295	395	6.09	1.08	89	13
	Q1	208	32	38.24	5.19	1,860	266	4.54	0.74	77	12
	Low	152	25	22.60	3.49	165	203	2.26	0.61	59	10
RESORT	Count	5		5						5	
	High	340		57.88						131	
	Mean	221		40.58						83	
	Q3	258		50.68						98	
	Median	241		45.29						88	
	Q1	189		30.68						69	
	Low	77		18.38						28	
CITY/ URBAN	Count	52	45	53	55	49	53	45	46	53	45
	High	512	276	63.34	22.59	3,388	2,794	8.99	2.88	181	101
	Mean	258	88	34.20	8.46	2,191	701	5.82	1.37	93	32
	Q3	299	95	40.78	10.59	2,818	726	7.26	1.79	101	35
	Median	235	68	32.39	6.73	2,147	539	5.82	1.17	89	23
	Q1	203	43	24.92	5.22	1,729	395	4.54	0.93	74	16
	Low	96	25	12.19	2.81	165	203	2.09	0.60	30	8

SINGAPORE		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	77	97%	62	98%	15	93%	6	100%	69	97%
2	Opt-Out Linen Reuse	65	63%	54	67%	11	45%	6	83%	58	62%
3	At Least 75% LED Lighting	78	86%	62	90%	16	69%	6	100%	70	86%
4	Variable Frequency Drives	77	92%	62	97%	15	73%	6	100%	69	93%
5	- <i>Main Air Handling Units</i>	70	94%	59	97%	11	82%	6	100%	63	94%
6	- <i>Kitchen Hoods</i>	68	79%	58	83%	10	60%	6	100%	61	79%
7	- <i>Elevators</i>	68	68%	58	67%	10	70%	6	50%	61	69%
8	- <i>Water Pumps</i>	69	77%	58	78%	11	73%	6	100%	62	74%
9	- <i>Refrigeration Units</i>	68	46%	58	41%	10	70%	6	67%	61	43%
10	- <i>Other</i>	58	38%	48	35%	10	50%	6	0%	51	41%
11	Renewable Power Generated?	78	3%	62	3%	16	0%	6	0%	70	3%
12	Carbon Offsets or Renewable Energy Certificate Purchase	76	4%	61	2%	15	13%	6	0%	68	4%
13	RECs, Green Tariffs, Feed-In Tariffs or PPA	75	20%	60	22%	15	13%	6	17%	67	21%
14	>75% Guestrooms Have Digital Thermostats	76	86%	61	89%	15	73%	6	100%	68	85%
15	>75% Bathroom Occupancy Sensors	75	27%	60	28%	15	20%	6	0%	67	27%
16	>75% Meeting Room Digital Thermostats	76	75%	61	80%	15	53%	6	100%	68	74%
17	>75% Meeting Room Occupancy Sensors	76	13%	61	13%	15	13%	6	0%	68	15%
18	High Efficiency Boilers (>85% efficiency)	73	45%	58	45%	15	47%	6	50%	65	45%
19	High Efficient Chillers (>0.5 kW/ton)	75	59%	60	57%	15	67%	6	67%	67	58%
20	Energy Sub-metering	77	71%	62	76%	15	53%	6	83%	70	70%
21	- <i>Fitness Facility</i>	51	57%	43	58%	8	50%	5	80%	45	53%
22	- <i>Food & Beverage Facilities</i>	54	93%	46	91%	8	100%	6	83%	47	94%
23	- <i>Guestrooms</i>	54	52%	46	57%	8	25%	5	40%	48	52%
24	- <i>Public Spaces</i>	53	77%	45	78%	8	75%	5	100%	47	74%
25	Energy Tracking	77	99%	62	98%	15	100%	6	100%	69	99%
26	Benchmarking Energy among Peers	76	70%	61	72%	15	60%	6	83%	68	69%
27	Energy Audit	74	70%	59	73%	15	60%	6	17%	66	74%
28	Recover Waste Heat For Reuse	77	14%	62	15%	15	13%	6	83%	69	9%
29	- <i>Kitchen</i>	12	25%	10	30%			5	0%	7	43%
30	- <i>Laundry</i>	12	25%	10	30%			5	0%	7	43%
31	- <i>Guestrooms</i>	12	42%	10	40%			5	0%	7	71%
32	- <i>Generator</i>	12	8%	10	10%			5	0%	7	14%
33	- <i>Exhaust Air</i>	13	38%	11	36%			5	80%	8	13%
34	- <i>Gray Water</i>	12	8%	10	10%			5	20%	7	0%
35	Electric Vehicles	71	8%	58	10%	13	0%	6	0%	64	9%
36	Recycling in Common Areas	78	73%	62	73%	16	75%	6	100%	70	70%
37	Recycling Bins in Guestrooms	78	27%	62	27%	16	25%	6	17%	70	27%
38	Guestrooms with Bulk Soap/Shampoo Dispensers	77	22%	61	20%	16	31%	6	17%	69	22%
39	Waste and Recycling Tracking	78	78%	62	81%	16	69%	6	83%	70	77%
40	Soap Donation	77	32%	61	33%	16	31%	6	50%	69	30%
41	Food Waste Disposal	77	55%	61	62%	16	25%	6	50%	69	54%

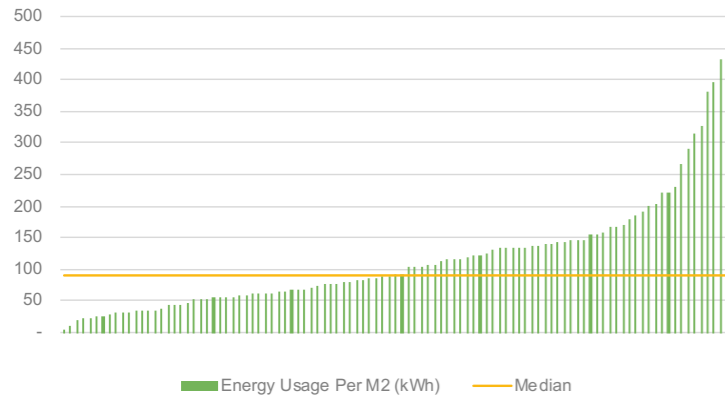
SINGAPORE		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- Landfill/incinerator	32	69%	28	75%					27	67%
43	- On-site waste digester machine	34	35%	30	40%					30	40%
44	- On-site compost	25	12%	21	14%					21	14%
45	- Off-site compost/organic waste treatment facility	26	15%	22	14%					22	14%
46	- Off-site animal feed	27	0%	23	0%					23	0%
47	Waste Audit	78	53%	62	58%	16	31%	6	50%	70	51%
48	Food Waste Generated Measured	77	43%	61	48%	16	25%	6	17%	69	43%
49	Food Donation	76	12%	60	13%	16	6%	6	0%	68	13%
50	Edible Excess Food Not Donated	77	43%	61	48%	16	25%	6	17%	69	43%
51	Food Prevention Strategies	75	48%	59	54%	16	25%	6	17%	67	51%
52	- Training	35	86%	31	87%					33	88%
53	- Adjusting portion size	37	89%	33	88%					35	89%
54	- Redesign menu	36	83%	32	81%					34	82%
55	- Change size of serving vessel	37	65%	33	67%					34	62%
56	Water Filtration/Hydration Station	77	43%	62	44%	15	40%	6	100%	69	38%
57	- Guestrooms	28	71%	23	70%	5	80%	6	67%	21	71%
58	- Meeting Facilities	30	60%	25	64%	5	40%	6	17%	23	70%
59	- Food and Beverage Facilities	28	82%	23	83%	5	80%	6	83%	21	81%
60	- Fitness Facilities	29	55%	24	58%	5	40%	6	17%	22	64%
61	Single-Use Plastics Elimination Strategies	73	64%	58	66%	15	60%	6	83%	65	62%
62	- Guestrooms	47	87%	37	86%	10	90%	5	100%	40	85%
63	- Food and Beverage Facilities	45	82%	36	92%	9	44%	5	100%	38	82%
64	- Other Guest-Facing Facilities	47	85%	37	86%	10	80%	5	100%	40	85%
65	- Back of House	46	96%	37	95%	9	100%	5	100%	39	95%
66	Single-Use Plastics Eliminated	72	31%	57	30%	15	33%	6	50%	64	28%
67	>75% Automatic Sensor Touchless Faucets	67	34%	54	33%	13	38%	6	50%	59	31%
68	>75% Low-Flow Toilets	71	73%	56	73%	15	73%	5	80%	64	73%
69	>75% Efficient Faucets	72	71%	57	70%	15	73%	5	60%	65	72%
70	>75% Efficient Showerheads	71	73%	56	71%	15	80%	5	80%	64	73%
71	Water Tracking	77	97%	62	97%	15	100%	6	100%	69	97%
72	Graywater Reuse	77	6%	62	6%	15	7%	6	17%	69	6%
73	Water Sub-Metering	77	94%	62	94%	15	93%	6	100%	69	94%
74	- Guestrooms	72	64%	58	66%	14	57%	6	50%	65	65%
75	- Food & Beverage Facilities	72	97%	58	97%	14	100%	6	100%	65	97%
76	- Fitness Facility	72	39%	58	41%	14	29%	6	67%	65	35%
77	- Swimming Pool	72	89%	58	93%	14	71%	6	100%	65	88%
78	- Landscaping/grounds keeping	72	57%	58	62%	14	36%	6	100%	65	52%
79	- Native or Drought-Tolerant Landscaping	74	26%	60	30%	14	7%	6	0%	66	27%
80	Preventive Maintenance Program	78	99%	62	98%	16	100%	6	100%	70	99%
81	Written Environmental Policy(ies)	77	73%	62	76%	15	60%	6	83%	69	72%
82	Green Practices Shared on Website	77	52%	61	54%	16	44%	6	83%	69	51%

SINGAPORE		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	Green Champion	78	65%	62	69%	16	50%	6	67%	70	67%
84	Green Team	77	64%	61	69%	16	44%	6	50%	69	65%
85	Green Team Budget	77	45%	61	49%	16	31%	6	67%	69	45%
86	Staff Training	77	60%	61	67%	16	31%	6	67%	69	59%
87	Employee Volunteering Opportunities During Work Hours	77	81%	61	82%	16	75%	6	100%	69	78%
88	Staff Recognition	77	55%	61	59%	16	38%	6	67%	69	54%
89	Comment/Suggestion Process	77	61%	61	62%	16	56%	6	50%	69	64%
90	Green Cleaning Products Certified By A Third Party	74	59%	58	57%	16	69%	6	17%	66	62%
91	Green Initiatives Communication in Guestrooms	73	85%	57	88%	16	75%	6	100%	65	83%
92	Involve Guest to Support Green Initiatives	74	46%	58	43%	16	56%	6	67%	66	42%
93	Reward Program for Sustainable Guests	74	15%	58	16%	16	13%	6	0%	66	17%
94	>75% of Overnight Guests Asking About Carbon Offsetting	74	5%	59	5%	15	7%	6	0%	66	6%
95	>75% Meeting Customers Asking about Sustainability Initiatives	75	5%	60	5%	15	7%	6	0%	67	6%
96	3rd-party Certification	73	51%	59	54%	14	36%	6	33%	65	54%
97	Carbon Footprint Measured	77	42%	62	48%	15	13%	6	33%	69	43%
98	Local Procurement Policy	76	67%	61	67%	15	67%	6	50%	68	69%
99	Procurement Requirements	76	49%	61	54%	15	27%	6	50%	68	50%
100	- Contractors	38	84%	34	85%					35	89%
101	- Service Providers	38	89%	34	91%					35	94%
102	- Suppliers	38	100%	34	100%					35	100%
103	- Other	35	69%	32	69%					32	75%
104	Vegetable Garden	75	28%	60	27%	15	33%	6	50%	67	25%
105	Beekeeping	74	0%	59	0%	15	0%	6	0%	66	0%
106	Low-VOC Or VOC-Free Paints In Renovations/Additions	74	65%	60	65%	14	64%	6	33%	66	67%
107	HVAC Filters Routinely Checked	74	96%	60	95%	14	100%	6	100%	66	95%
108	Air Purification System	74	55%	60	57%	14	50%	6	33%	66	58%
109	Vegetarian Menu Options	73	82%	59	83%	14	79%	6	100%	65	80%
110	Sustainable Seafood Procurement	70	40%	57	42%	13	31%	6	33%	62	40%
111	>75% Seafood Purchased Sustainably Certified	55	27%	46	30%	9	11%	5	20%	48	29%
112	F&B Purchases are Fair Trade Items	69	55%	56	59%	13	38%	6	50%	61	54%
113	Evaluate Suppliers In Human Rights Areas	66	44%	53	49%	13	23%	6	33%	58	45%

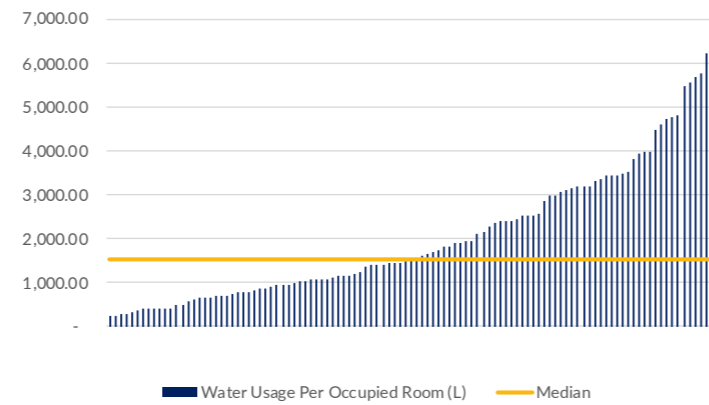
THAILAND



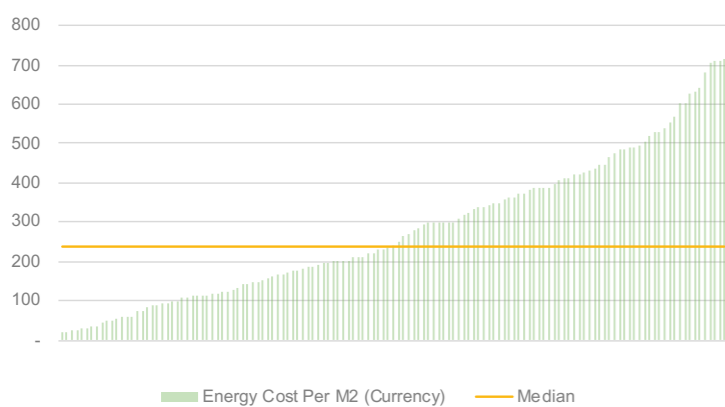
Energy Usage Per Square Metre (kWh)



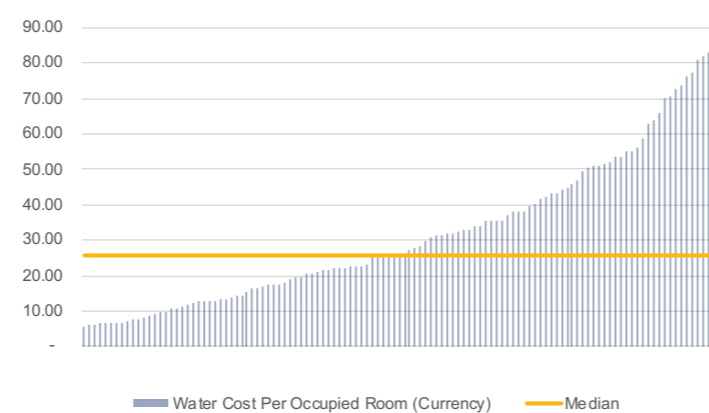
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (THB)



Water Cost Per Occupied Room (THB)



THAILAND	ENERGY (KWh)				WATER (L)				GHG (KgCO2e)		
	Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR	
ALL	Count	103	120	133	133	105	109	121	117	103	119
	High	447	695	713.53	1082.01	3,735	6,262	65.83	83.16	247	304
	Mean	116	202	280.67	403.84	1,272	2,032	18.67	31.57	57	88
	Q3	143	293	409.31	541.37	1,727	3,054	24.43	43.32	65	126
	Median	91	133	239.23	350.12	1,077	1,536	14.92	25.98	46	59
	Q1	57	77	125.07	234.24	583	860	7.37	14.36	28	36
	Low	6	29	20.38	37.18	186	223	0.27	5.36	11	14
FULL SERVICE	Count	79	93	102	96	80	79	93	86	78	92
	High	447	695	703.89	1082.01	3,735	6,262	65.83	83.16	247	304
	Mean	117	238	281.05	453.28	1,339	2,392	18.44	35.24	58	103
	Q3	145	325	412.92	598.73	1,829	3,341	24.43	50.69	67	151
	Median	104	188	275.47	425.83	1,179	1,968	14.92	31.96	51	81
	Q1	58	110	125.25	263.74	660	1,154	7.10	19.05	28	50
	Low	6	31	20.38	37.18	186	223	0.27	5.36	11	15
LIMITED SERVICE	Count	24	27	31	37	25	30	28	31	25	27
	High	432	131	713.53	811.98	3,604	3,930	54.57	77.49	209	63
	Mean	112	77	279.44	275.55	1,056	1,086	19.47	21.36	55	35
	Q3	135	99	346.39	351.79	1,446	1,167	24.02	28.38	60	44
	Median	85	72	212.25	254.50	858	860	14.97	16.96	43	35
	Q1	53	48	136.38	155.41	519	506	8.95	11.06	26	23
	Low	34	29	55.39	87.27	191	287	2.66	6.78	14	14
RESORT	Count	58	64	73	72	53	53	58	53	58	64
	High	447	695	713.53	1057.15	3,735	6,262	62.12	83.16	247	304
	Mean	99	218	254.65	407.36	1,395	2,360	19.55	32.53	54	95
	Q3	120	293	358.48	555.46	1,864	3,201	25.70	44.23	58	128
	Median	69	151	212.25	382.91	1,286	2,121	13.72	25.83	37	62
	Q1	43	92	119.23	250.88	474	951	6.78	16.38	23	41
	Low	6	31	22.43	37.90	186	252	0.49	6.10	11	15
CITY/ URBAN	Count	37	46	48	49	43	45	51	50	37	45
	High	382	694	712.31	1082.01	2,930	4,726	46.32	82.94	140	235
	Mean	129	196	310.61	414.91	1,151	1,813	17.29	30.86	58	84
	Q3	145	313	439.40	543.51	1,483	2,582	22.83	43.87	69	130
	Median	133	130	289.35	346.74	1,077	1,440	16.23	24.75	57	60
	Q1	87	75	146.53	188.99	636	754	8.80	13.43	38	35
	Low	34	29	20.38	37.18	191	223	0.27	5.36	14	14
CONVENTION/ CONFERENCE CENTER	Count	6	6	8	7	6	7	8	8	6	6
	High	267	318	643.48	610.51	2,321	4,759	65.83	76.08	74	150
	Mean	161	155	379.29	376.60	1,309	1,666	25.54	31.29	60	66
	Q3	191	184	539.05	450.34	1,726	1,768	31.93	32.13	70	67
	Median	144	130	435.89	361.60	1,111	1,037	20.48	28.45	60	50
	Q1	124	96	229.07	297.15	1,047	992	15.27	20.87	54	46
	Low	85	66	55.39	169.12	357	343	2.66	14.09	40	30

THAILAND		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN		CONVEN/CONF	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	158	89%	115	87%	43	95%	84	92%	60	88%	8	75%
2	Opt-Out Linen Reuse	110	68%	76	74%	34	56%	59	61%	42	74%	6	83%
3	At Least 75% LED Lighting	164	79%	120	83%	44	66%	86	83%	64	75%	8	88%
4	Variable Frequency Drives	163	67%	119	68%	44	64%	85	61%	64	75%	8	63%
5	- <i>Main Air Handling Units</i>	97	77%	71	75%	26	85%	47	77%	42	83%	5	60%
6	- <i>Kitchen Hoods</i>	95	46%	69	46%	26	46%	47	51%	40	45%	5	20%
7	- <i>Elevators</i>	95	62%	69	55%	26	81%	46	59%	41	68%	5	40%
8	- <i>Water Pumps</i>	104	89%	76	89%	28	89%	50	92%	46	87%	5	80%
9	- <i>Refrigeration Units</i>	95	37%	70	36%	25	40%	47	40%	40	35%	5	20%
10	- <i>Other</i>	87	52%	64	55%	23	43%	40	53%	39	49%	5	40%
11	Renewable Power Generated?	164	25%	120	23%	44	30%	86	27%	64	23%	8	13%
12	- <i>Wind Power</i>	26	0%	15	0%	11	0%	15	0%	10	0%		
13	- <i>Solar PV</i>	31	29%	19	32%	12	25%	18	33%	11	18%		
14	- <i>Heat Pump</i>	39	90%	24	88%	15	93%	24	83%	14	100%		
15	- <i>Solar Thermal</i>	31	29%	19	32%	12	25%	18	33%	11	18%		
16	- <i>Geothermal</i>	28	0%	17	0%	11	0%	17	0%	10	0%		
17	- <i>Hydroelectric</i>	28	0%	17	0%	11	0%	17	0%	10	0%		
18	- <i>Cogeneration</i>	28	0%	17	0%	11	0%	17	0%	10	0%		
19	- <i>Other</i>	26	19%	17	12%	9	33%	17	29%	8	0%		
20	Carbon Offsets or Renewable Energy Certificate Purchase	156	12%	117	9%	39	18%	85	13%	58	9%	7	14%
21	RECs, Green Tariffs, Feed-In Tariffs or PPA	150	12%	111	10%	39	18%	81	16%	56	4%	7	29%
22	>75% Guestrooms Have Digital Thermostats	158	67%	120	75%	38	42%	87	67%	57	68%	8	88%
23	>75% Bathroom Occupancy Sensors	154	24%	118	22%	36	31%	85	22%	57	26%	6	50%
24	>75% Meeting Room Digital Thermostats	157	61%	118	67%	39	44%	85	61%	58	60%	8	88%
25	>75% Meeting Room Occupancy Sensors	154	14%	117	14%	37	16%	84	15%	58	12%	6	33%
26	High Efficiency Boilers (>85% efficiency)	157	39%	119	44%	38	24%	87	41%	57	40%	8	25%
27	High Efficient Chillers (>0.5 kW/ton)	158	51%	120	51%	38	50%	87	41%	58	62%	8	63%
28	Energy Sub-metering	160	64%	121	69%	39	46%	87	63%	59	61%	8	88%
29	- <i>Fitness Facility</i>	85	49%	69	54%	16	31%	46	57%	31	45%	5	40%
30	- <i>Food & Beverage Facilities</i>	94	76%	78	78%	16	63%	51	80%	33	70%	7	86%
31	- <i>Guestrooms</i>	88	67%	71	70%	17	53%	49	76%	30	57%	6	50%
32	- <i>Public Spaces</i>	95	73%	76	74%	19	68%	51	71%	34	76%	7	71%
33	Energy Tracking	159	100%	121	100%	38	100%	86	100%	59	100%	8	100%
34	Benchmarking Energy among Peers	159	72%	120	70%	39	79%	86	70%	59	71%	8	100%
35	Energy Audit	156	74%	119	76%	37	68%	85	75%	57	70%	8	63%
36	Recover Waste Heat For Reuse	145	13%	113	17%	32	0%	82	13%	51	10%	7	14%
37	- <i>Kitchen</i>	20	35%	19	37%			11	45%	6	0%		
38	- <i>Laundry</i>	19	47%	18	50%			11	36%	5	60%		
39	- <i>Guestrooms</i>	20	55%	19	58%			12	58%	5	40%		
40	- <i>Generator</i>	18	11%	17	12%			10	20%	5	0%		
41	- <i>Exhaust Air</i>	18	17%	17	18%			10	30%	5	0%		

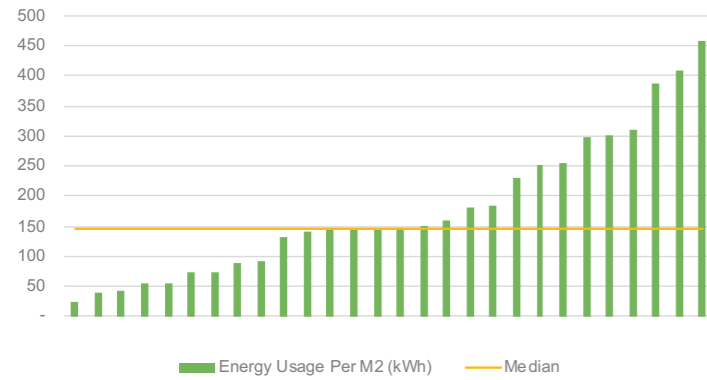
THAILAND		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN		CONVEN/CONF	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- Gray Water	19	26%	18	28%			10	40%	6	0%		
43	Electric Vehicles	143	33%	108	42%	35	6%	75	36%	56	27%	8	50%
44	Recycling in Common Areas	153	80%	114	77%	39	90%	83	82%	57	74%	7	100%
45	Recycling Bins in Guestrooms	153	25%	114	27%	39	21%	83	28%	57	25%	7	14%
46	Guestrooms with Bulk Soap/Shampoo Dispensers	150	57%	111	50%	39	77%	81	58%	56	59%	7	43%
47	Waste and Recycling Tracking	150	63%	112	63%	38	61%	82	62%	55	65%	7	43%
48	Soap Donation	149	44%	111	50%	38	26%	81	37%	55	53%	7	57%
49	Food Waste Disposal	150	75%	112	78%	38	68%	82	79%	55	69%	7	100%
50	- Landfill/incinerator	81	23%	63	27%	18	11%	46	26%	27	19%	6	33%
51	- On-site waste digester machine	74	7%	56	7%	18	6%	41	10%	26	0%	5	20%
52	- On-site compost	85	19%	64	19%	21	19%	49	22%	28	14%	5	20%
53	- Off-site compost/organic waste treatment facility	79	30%	62	35%	17	12%	45	29%	27	41%	5	0%
54	- Off-site animal feed	104	86%	78	88%	26	77%	55	85%	39	85%	7	86%
55	Waste Audit	148	54%	114	54%	34	56%	80	60%	55	44%	7	57%
56	Food Waste Generated Measured	148	57%	113	58%	35	54%	81	56%	54	56%	7	71%
57	Food Donation	148	35%	113	40%	35	20%	80	34%	55	36%	7	57%
58	Edible Excess Food Not Donated	148	57%	113	58%	35	54%	81	56%	54	56%	7	71%
59	Food Prevention Strategies	146	61%	111	66%	35	46%	79	62%	54	57%	7	86%
60	- Training	83	87%	68	84%	15	100%	44	80%	31	100%	5	80%
61	- Adjusting portion size	83	89%	66	88%	17	94%	43	86%	31	90%	6	100%
62	- Redesign menu	85	87%	69	87%	16	88%	45	87%	32	88%	5	100%
63	- Change size of serving vessel	79	76%	64	73%	15	87%	40	73%	31	77%	5	100%
64	Water Filtration/Hydration Station	147	51%	113	51%	34	50%	78	56%	57	42%	7	71%
65	- Guestrooms	66	67%	53	62%	13	85%	39	79%	22	50%		
66	- Meeting Facilities	61	62%	49	61%	12	67%	34	62%	22	64%		
67	- Food and Beverage Facilities	74	97%	57	96%	17	100%	41	95%	26	100%	5	100%
68	- Fitness Facilities	65	66%	53	66%	12	67%	37	68%	23	70%		
69	Single-Use Plastics Elimination Strategies	144	83%	111	87%	33	67%	77	91%	54	70%	7	86%
70	- Guestrooms	110	97%	90	98%	20	95%	61	97%	38	97%	6	100%
71	- Food and Beverage Facilities	111	95%	91	97%	20	90%	64	95%	36	97%	6	100%
72	- Other Guest-Facing Facilities	105	95%	87	94%	18	100%	60	97%	36	92%	5	100%
73	- Back of House	109	90%	89	90%	20	90%	61	90%	38	87%	5	100%
74	Single-Use Plastics Eliminated	147	57%	110	58%	37	54%	79	49%	55	62%	7	86%
75	>75% Automatic Sensor Touchless Faucets	114	16%	86	19%	28	7%	59	17%	47	15%	5	20%
76	>75% Low-Flow Toilets	125	71%	93	70%	32	75%	67	69%	46	74%	7	71%
77	>75% Efficient Faucets	126	71%	94	72%	32	69%	69	71%	45	71%	7	71%
78	>75% Efficient Showerheads	121	68%	90	68%	31	68%	69	61%	41	76%	6	83%
79	Water Tracking	151	97%	114	96%	37	100%	81	96%	57	98%	7	100%
80	Graywater Reuse	151	46%	115	47%	36	44%	81	59%	57	26%	7	43%
81	Water Sub-Metering	151	62%	115	63%	36	56%	81	65%	57	53%	7	86%
82	- Guestrooms	89	47%	70	50%	19	37%	48	65%	31	32%	6	17%

THAILAND		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN		CONVEN/CONF	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	- Food & Beverage Facilities	85	62%	66	64%	19	58%	50	66%	26	58%	6	67%
84	- Fitness Facility	82	28%	65	34%	17	6%	47	32%	27	26%	5	20%
85	- Swimming Pool	89	74%	69	77%	20	65%	50	82%	29	66%	6	67%
86	- Landscaping/grounds keeping	83	52%	65	57%	18	33%	48	58%	26	42%	6	50%
87	Native or Drought-Tolerant Landscaping	145	46%	109	50%	36	36%	76	62%	56	25%	7	43%
88	Preventive Maintenance Program	155	99%	117	99%	38	100%	84	99%	58	100%	7	100%
89	Written Environmental Policy(ies)	152	93%	115	92%	37	97%	83	93%	56	93%	7	100%
90	Green Practices Shared on Website	150	72%	113	72%	37	73%	83	78%	54	63%	7	71%
91	Green Champion	152	70%	115	73%	37	62%	84	75%	55	64%	7	71%
92	Green Team	154	74%	115	76%	39	69%	84	75%	57	70%	7	100%
93	Green Team Budget	153	54%	114	54%	39	54%	83	53%	57	49%	7	86%
94	Staff Training	154	83%	115	82%	39	87%	84	87%	57	75%	7	86%
95	Employee Volunteering Opportunities During Work Hours	153	86%	114	86%	39	85%	83	90%	57	77%	7	86%
96	Staff Recognition	153	59%	115	58%	38	63%	84	64%	56	48%	7	86%
97	Comment/Suggestion Process	153	72%	114	71%	39	74%	84	79%	56	61%	7	71%
98	Green Cleaning Products Certified By A Third Party	151	74%	112	71%	39	82%	82	74%	56	70%	7	86%
99	Green Initiatives Communication in Guestrooms	151	82%	112	80%	39	87%	82	88%	56	71%	7	86%
100	Involve Guest to Support Green Initiatives	151	79%	112	77%	39	85%	82	84%	56	68%	7	100%
101	Reward Program for Sustainable Guests	150	27%	112	22%	38	42%	82	33%	55	15%	7	57%
102	>75% of Overnight Guests Asking About Carbon Offsetting	142	5%	107	6%	35	3%	79	5%	51	2%	7	29%
103	>75% Meeting Customers Asking about Sustainability Initiatives	143	8%	107	9%	36	6%	80	10%	51	2%	7	29%
104	3rd-party Certification	145	43%	109	48%	36	31%	76	53%	56	29%	7	71%
105	Carbon Footprint Measured	146	47%	110	46%	36	47%	81	47%	53	45%	7	57%
106	Local Procurement Policy	145	86%	108	90%	37	76%	81	84%	52	88%	7	100%
107	Procurement Requirements	145	70%	108	69%	37	73%	80	68%	53	70%	7	100%
108	- Contractors	94	88%	70	86%	24	96%	51	88%	32	91%	7	100%
109	- Service Providers	93	87%	69	86%	24	92%	51	84%	31	94%	7	86%
110	- Suppliers	101	98%	76	99%	25	96%	55	100%	35	94%	7	100%
111	- Other	78	63%	59	63%	19	63%	46	61%	23	57%	6	100%
112	Vegetable Garden	148	24%	111	28%	37	14%	82	22%	54	24%	7	71%
113	Beekeeping	146	3%	110	3%	36	3%	82	5%	53	0%	6	0%
114	Low-VOC Or VOC-Free Paints In Renovations/Additions	144	61%	109	60%	35	66%	79	61%	53	62%	7	57%
115	HVAC Filters Routinely Checked	146	92%	111	93%	35	89%	81	91%	53	94%	7	86%
116	Air Purification System	144	63%	109	68%	35	49%	80	61%	52	67%	7	71%
117	Vegetarian Menu Options	144	92%	107	95%	37	84%	80	96%	52	88%	7	86%
118	Sustainable Seafood Procurement	142	63%	106	65%	36	56%	80	63%	50	62%	7	86%
119	>75% Seafood Purchased Sustainably Certified	119	34%	86	38%	33	21%	66	36%	42	31%	6	33%
120	F&B Purchases are Fair Trade Items	138	82%	102	81%	36	83%	75	87%	51	73%	7	100%
121	Evaluate Suppliers In Human Rights Areas	140	71%	105	70%	35	71%	78	72%	50	70%	7	71%

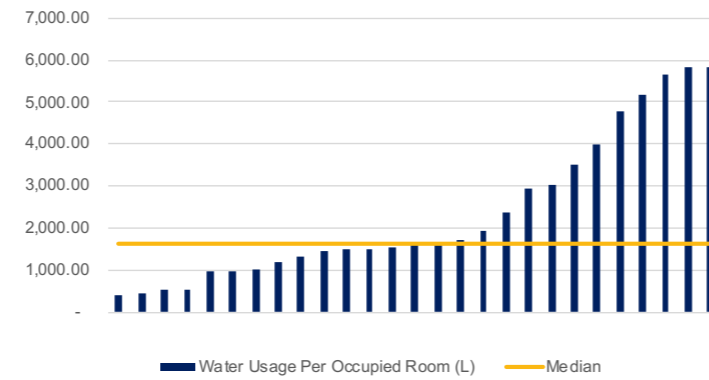
VIETNAM



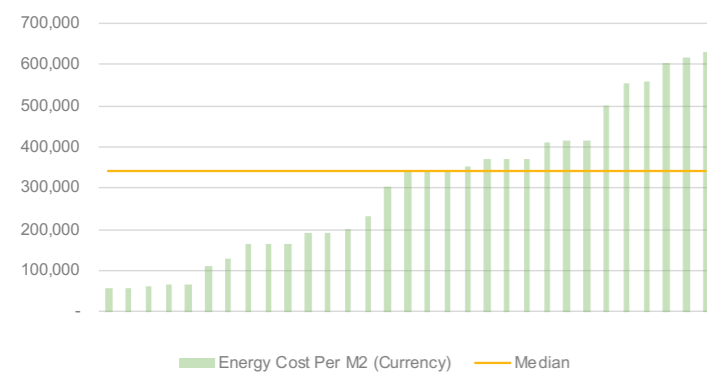
Energy Usage Per Square Metre (kWh)



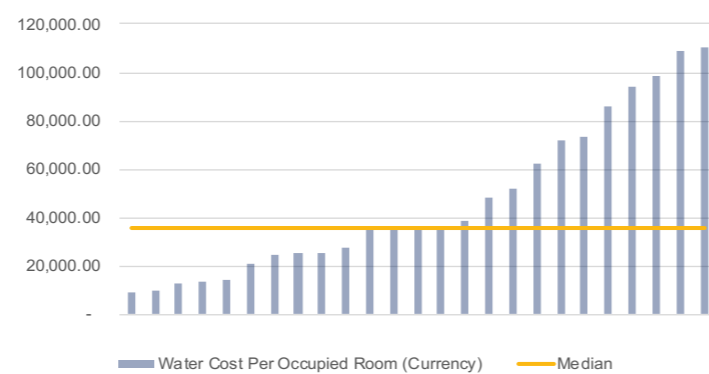
Water Usage Per Occupied Room (Litres)



Energy Cost Per Square Metre (VND)



Water Cost Per Occupied Room (VND)



VIETNAM		ENERGY (KWh)				WATER (L)				GHG (KgCO2e)	
		Usage PSM	Usage POR	Cost PSM	Cost POR	Usage PSM	Usage POR	Cost PSM	Cost POR	Emissions PSM	Emissions POR
ALL	Count	28	35	31	40	17	17	13	15	17	17
	High	457	657	630828.22	1485470.29	2,591	5,845	78656.53	110329.34	318	298
	Mean	178	268	302127.65	619444.51	1,149	2,357	39003.34	46746.73	93	115
	Q3	253	417	412599.02	872310.29	1,575	3,265	57641.70	72130.21	124	176
	Median	146	181	339449.88	503534.61	1,015	1,650	38583.17	35443.22	67	77
	Q1	86	133	163563.80	316532.64	502	1,104	21201.43	24717.01	40	56
	Low	24	42	58232.54	94902.05	117	432	7781.55	9063.97	11	18
FULL SERVICE	Count	26	32	30	35	17	25	17	22	29	33
	High	457	657	630828.22	1485470.29	2,591	5,845	78656.53	110329.34	318	298
	Mean	174	287	298303.36	663156.08	1,157	2,509	39937.63	50661.75	92	123
	Q3	247	426	400207.41	925078.37	1,625	3,497	60932.60	73129.67	115	179
	Median	144	203	321952.73	511054.70	1,006	1,651	41909.09	37208.46	64	95
	Q1	79	138	163391.42	323079.10	389	1,333	20561.78	25255.74	39	60
	Low	24	74	58232.54	189396.17	117	537	7781.55	12969.72	11	30
LIMITED SERVICE	Count				5						
	High				660015.44						
	Mean				313463.57						
	Q3				502516.52						
	Median				176062.63						
	Q1				133821.21						
	Low				94902.05						
RESORT	Count	12	15	17	19	7	13	8	10	14	16
	High	410	657	615747.92	1485470.29	2,591	5,845	78656.53	108779.42	276	298
	Mean	155	350	254369.62	756075.05	783	3,315	45890.36	56882.28	89	151
	Q3	235	487	339449.88	879571.51	930	5,169	70260.07	82955.44	143	221
	Median	90	409	192313.46	765813.05	377	3,034	54350.81	50434.47	50	144
	Q1	56	154	68215.52	386094.47	269	1,524	13843.04	29336.62	26	65
	Low	24	104	58232.54	271533.31	117	539	7781.55	12969.72	11	47
CITY/ URBAN	Count	11	15	10	14	9	11	8	11	12	15
	High	457	561	630828.22	1122213.10	2,416	3,497	61395.57	110329.34	318	240
	Mean	197	222	364051.97	525929.62	1,384	1,692	33738.47	47365.34	102	92
	Q3	218	260	414211.09	845292.74	1,625	1,806	42820.61	61831.22	111	100
	Median	145	181	361374.10	348085.18	1,404	1,536	32329.41	36011.37	69	65
	Q1	141	133	261116.04	308712.07	1,006	1,168	25771.02	22967.61	58	56
	Low	74	64	163219.03	133821.21	389	537	9441.52	13047.48	30	27

VIETNAM		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
1	Towel Reuse Program?	40	90%	35	91%	5	80%	17	88%	17	94%
2	Opt-Out Linen Reuse	26	54%	24	54%			13	54%	11	64%
3	At Least 75% LED Lighting	41	76%	36	72%	5	100%	18	72%	17	71%
4	Variable Frequency Drives	38	84%	34	82%			17	71%	15	93%
5	Main Air Handling Units	30	83%	26	88%			11	91%	13	85%
6	- Kitchen Hoods	29	69%	25	76%			10	80%	13	77%
7	- Elevators	28	86%	24	88%			9	78%	13	92%
8	- Water Pumps	29	83%	25	84%			9	89%	14	86%
9	- Refrigeration Units	26	54%	22	45%			8	50%	12	42%
10	- Other	21	62%	17	59%			6	67%	10	60%
11	Renewable Power Generated?	42	21%	37	22%	5	20%	18	33%	17	12%
12	- Wind Power	6	0%	6	0%						
13	- Solar PV	8	50%	7	43%			5	40%		
14	- Heat Pump	8	75%	7	71%			5	80%		
15	- Solar Thermal	8	50%	7	43%			5	40%		
16	- Geothermal	6	0%	6	0%						
17	- Hydroelectric	6	0%	6	0%						
18	- Cogeneration	6	0%	6	0%						
19	- Other	6	0%	6	0%						
20	Carbon Offsets or Renewable Energy Certificate Purchase	40	13%	36	14%			18	6%	17	24%
21	RECs, Green Tariffs, Feed-In Tariffs or PPA	38	29%	34	29%			18	22%	16	38%
22	>75% Guestrooms Have Digital Thermostats	41	90%	36	89%	5	100%	18	89%	17	88%
23	>75% Bathroom Occupancy Sensors	40	38%	35	40%	5	20%	18	28%	17	47%
24	>75% Meeting Room Digital Thermostats	41	73%	36	69%	5	100%	18	61%	17	76%
25	>75% Meeting Room Occupancy Sensors	40	33%	35	31%	5	40%	18	22%	17	41%
26	High Efficiency Boilers (>85% efficiency)	41	73%	36	81%	5	20%	18	94%	17	65%
27	High Efficient Chillers (>0.5 kW/ton)	40	80%	35	83%	5	60%	18	89%	16	75%
28	Energy Sub-metering	43	79%	38	82%	5	60%	19	95%	17	65%
29	- Fitness Facility	32	47%	29	48%			16	56%	11	36%
30	- Food & Beverage Facilities	32	88%	29	86%			16	88%	11	91%
31	- Guestrooms	33	79%	30	80%			17	94%	11	55%
32	- Public Spaces	33	64%	30	63%			17	65%	11	55%
33	Energy Tracking	42	100%	37	100%	5	100%	19	100%	17	100%
34	Benchmarking Energy among Peers	42	57%	37	57%	5	60%	19	63%	17	47%
35	Energy Audit	42	71%	37	78%	5	20%	19	68%	17	82%
36	Recover Waste Heat For Reuse	40	23%	35	26%	5	0%	18	33%	16	13%
37	- Kitchen	6	17%	6	17%			5	20%		
38	- Laundry	8	63%	8	63%			5	60%		
39	- Guestrooms	7	43%	7	43%			5	40%		
40	- Generator	6	0%	6	0%			5	0%		
41	- Exhaust Air	6	17%	6	17%			5	20%		

VIETNAM		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
42	- Gray Water	6	0%	6	0%			5	0%		
43	Electric Vehicles	32	34%	28	32%			13	69%	13	0%
44	Recycling in Common Areas	42	76%	37	76%	5	80%	18	67%	17	82%
45	Recycling Bins in Guestrooms	42	43%	37	41%	5	60%	18	44%	17	29%
46	Guestrooms with Bulk Soap/Shampoo Dispensers	42	50%	37	49%	5	60%	18	78%	17	18%
47	Waste and Recycling Tracking	42	57%	37	59%	5	40%	18	56%	17	71%
48	Soap Donation	42	74%	37	76%	5	60%	18	67%	17	82%
49	Food Waste Disposal	42	67%	37	68%	5	60%	18	72%	17	65%
50	- Landfill/incinerator	24	38%	22	32%			11	36%	9	22%
51	- On-site waste digester machine	21	5%	20	5%			11	9%	7	0%
52	- On-site compost	22	41%	21	43%			11	64%	8	25%
53	- Off-site compost/organic waste treatment facility	23	61%	22	64%			12	75%	8	38%
54	- Off-site animal feed	27	70%	25	72%			12	67%	11	73%
55	Waste Audit	42	50%	37	49%	5	60%	18	44%	17	59%
56	Food Waste Generated Measured	42	69%	37	68%	5	80%	18	67%	17	71%
57	Food Donation	42	31%	37	32%	5	20%	18	33%	17	35%
58	Edible Excess Food Not Donated	42	71%	37	70%	5	80%	18	67%	17	76%
59	Food Prevention Strategies	42	62%	37	59%	5	80%	18	72%	17	41%
60	- Training	24	92%	20	90%			13	92%	5	80%
61	- Adjusting portion size	23	96%	20	95%			12	92%	6	100%
62	- Redesign menu	22	95%	18	94%			12	92%		
63	- Change size of serving vessel	22	82%	19	84%			12	83%	5	100%
64	Water Filtration/Hydration Station	40	53%	35	49%	5	80%	16	44%	17	53%
65	- Guestrooms	21	71%	17	71%			7	57%	8	75%
66	- Meeting Facilities	22	73%	18	78%			7	57%	9	89%
67	- Food and Beverage Facilities	22	95%	18	94%			7	86%	9	100%
68	- Fitness Facilities	20	90%	18	94%			7	100%	8	88%
69	Single-Use Plastics Elimination Strategies	41	88%	36	92%	5	60%	17	94%	17	88%
70	- Guestrooms	35	89%	32	88%			15	100%	14	79%
71	- Food and Beverage Facilities	35	100%	32	100%			15	100%	14	100%
72	- Other Guest-Facing Facilities	35	91%	32	94%			15	100%	14	93%
73	- Back of House	34	94%	31	97%			15	100%	13	100%
74	Single-Use Plastics Eliminated	41	61%	36	67%	5	20%	17	71%	17	65%
75	>75% Automatic Sensor Touchless Faucets	24	25%	21	29%			7	43%	12	25%
76	>75% Low-Flow Toilets	37	76%	32	75%	5	80%	14	86%	17	71%
77	>75% Efficient Faucets	32	75%	29	76%			11	91%	17	65%
78	>75% Efficient Showerheads	33	76%	28	75%	5	80%	11	91%	16	63%
79	Water Tracking	40	100%	35	100%	5	100%	17	100%	17	100%
80	Graywater Reuse	40	23%	35	26%	5	0%	17	35%	17	12%
81	Water Sub-Metering	40	70%	35	69%	5	80%	17	82%	17	59%
82	- Guestrooms	28	64%	24	63%			15	73%	9	44%

VIETNAM		ALL		FULL SERVICE		LTD SERVICE		RESORT		CITY/URBAN	
		COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES	COUNT	YES
83	- Food & Beverage Facilities	29	83%	25	80%			15	67%	10	100%
84	- Fitness Facility	28	36%	24	38%			15	47%	9	22%
85	- Swimming Pool	28	64%	24	63%			14	79%	10	40%
86	- Landscaping/grounds keeping	27	48%	23	48%			14	57%	9	33%
87	Native or Drought-Tolerant Landscaping	38	39%	34	41%			17	59%	16	19%
88	Preventive Maintenance Program	42	98%	37	97%	5	100%	18	94%	17	100%
89	Written Environmental Policy(ies)	42	83%	37	84%	5	80%	18	89%	17	71%
90	Green Practices Shared on Website	42	55%	37	57%	5	40%	18	61%	17	53%
91	Green Champion	42	76%	37	76%	5	80%	18	67%	17	82%
92	Green Team	42	69%	37	68%	5	80%	18	61%	17	71%
93	Green Team Budget	42	62%	37	62%	5	60%	18	72%	17	53%
94	Staff Training	42	74%	37	78%	5	40%	18	83%	17	65%
95	Employee Volunteering Opportunities During Work Hours	42	95%	37	95%	5	100%	18	94%	17	94%
96	Staff Recognition	42	55%	37	57%	5	40%	18	50%	17	65%
97	Comment/Suggestion Process	42	64%	37	68%	5	40%	18	78%	17	59%
98	Green Cleaning Products Certified By A Third Party	42	69%	37	76%	5	20%	18	72%	17	71%
99	Green Initiatives Communication in Guestrooms	42	79%	37	84%	5	40%	18	89%	17	76%
100	Involve Guest to Support Green Initiatives	42	74%	37	73%	5	80%	18	72%	17	76%
101	Reward Program for Sustainable Guests	42	19%	37	19%	5	20%	18	22%	17	18%
102	>75% of Overnight Guests Asking About Carbon Offsetting	41	5%	36	6%	5	0%	18	11%	16	0%
103	>75% Meeting Customers Asking about Sustainability Initiatives	41	12%	36	14%	5	0%	18	17%	16	13%
104	3rd-party Certification	37	32%	33	33%			16	38%	16	25%
105	Carbon Footprint Measured	41	34%	36	33%	5	40%	18	33%	16	38%
106	Local Procurement Policy	41	71%	36	72%	5	60%	18	72%	16	75%
107	Procurement Requirements	41	56%	36	61%	5	20%	18	50%	16	75%
108	- Contractors	25	96%	24	96%			11	91%	11	100%
109	- Service Providers	25	92%	24	92%			11	91%	11	91%
110	- Suppliers	25	100%	24	100%			10	100%	12	100%
111	- Other	23	65%	22	68%			10	80%	10	50%
112	Vegetable Garden	41	27%	36	25%	5	40%	17	35%	17	24%
113	Beekeeping	41	12%	36	14%	5	0%	17	24%	17	6%
114	Low-VOC Or VOC-Free Paints In Renovations/Additions	40	63%	36	64%			17	88%	17	41%
115	HVAC Filters Routinely Checked	41	90%	36	89%	5	100%	17	94%	17	88%
116	Air Purification System	40	65%	35	66%	5	60%	17	59%	17	65%
117	Vegetarian Menu Options	41	95%	36	97%	5	80%	17	100%	17	94%
118	Sustainable Seafood Procurement	41	61%	36	64%	5	40%	17	71%	17	53%
119	>75% Seafood Purchased Sustainably Certified	35	40%	30	43%	5	20%	15	53%	15	33%
120	F&B Purchases are Fair Trade Items	39	67%	34	71%	5	40%	17	65%	16	69%
121	Evaluate Suppliers In Human Rights Areas	39	41%	34	41%	5	40%	17	47%	16	38%



Horwath HTL

Hotel, Tourism and Leisure

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