

ANNEX

Annex A: Singapore Watermark Awards (SWMA)

The SWMA originated as the Watermark Award in 2007, with the goal of promoting ground-up initiatives within the community to conserve water. Over time, it evolved to acknowledge ongoing efforts in water efficiency and the introduction of new initiatives for water reduction or recycling. Today, the SWMA stands as the premier accolade, recognising leading organisations in Singapore that exhibit a profound dedication to effective water management, ongoing efforts in water efficiency, innovative water conservation practices, and active community engagement to inspire action and garner support for the water cause. All nominations are assessed by an independent selection committee comprising representatives from industry, media and the public sector. Nominations are evaluated on the following criteria:

- Performance – Demonstrated efforts and quantifiable results in the efficient use of water.
- Advocacy/Influence – Created positive changes to water conservation through implemented policies, programmes, or outreach activities.
- Innovativeness – Incorporated innovative services, programmes, processes or new technologies to reduce water use or promote water recycling.
- Sustainability Reporting – Organisations who have published their water efficiency goals and plans will be allocated bonus points.

SWMA 2026 winners

Winners	Details
Amazon Web Services Singapore (AWS Singapore) SWMA, WEAP and WEA winner	• AWS' Water Usage Effectiveness (WUE) has improved year-on-year to an industry-leading 1.68L/kWh in 2024 in Singapore, well below PUB's benchmark of 2.0 L/kWh. • Piloted and scaled an electro-oxidation (EO) water treatment technology for cooling towers by partnering with a local startup, which aimed to improve the water quality of the cooling tower circulating tower, enabling higher cycles of concentration and hence reducing water consumption. • Actively championed water sustainability through employee, industry and community engagement initiatives, and was the founding sponsor of PUB's Singapore Water Savers Programme. <u>Spokesperson Quote:</u> Simon Tan Director Operations, South ASEAN and ANZ, Amazon Web Services <i>"Water sits at the center of opportunity in the global economy. For businesses, it increasingly influences where growth is possible and how confidently the future can be planned. Across sectors from agriculture and manufacturing to healthcare, financial services, and the digital infrastructure that underpins daily life, access to water is foundational. Data centers are part of that critical infrastructure. As AI scales up, so does the computing power required, and with it, the need to use water responsibly. Our efficiency gains come from years of investment in custom cooling technology and smarter systems.</i> <i>We also work closely with PUB and local startups to develop and scale water efficiency solutions that go beyond our own operations. Being the first organization to receive all three Singapore Watermark Awards since their return is a recognition of that collective effort."</i>
Micron Technology (Micron) SWMA and WEAP winner	• Implemented a Local Scrubber Reclaim system that treats and reuses wastewater from semiconductor scrubber processes. The system incorporates closed-Circuit Reverse Osmosis technology, achieving a water recovery rate of more than 85 percent. • Replaced multiple point-of-use abatement systems with a centralised greenhouse gas (GHG) abatement system, reducing water consumption while maintaining robust emissions performance. • Promoted water stewardship through annual World Water Day roadshows and employee-led engagement programmes. • Extended water sustainability advocacy to the wider community through initiatives such as Eco Walks for residents and industrial water management learning opportunities for ITE students.

	<u>Spokesperson Quote:</u> Mr Joshua Lee Corporate Vice President and Singapore Country Manager at Micron Technology <i>“At Micron, sustainability is built into the way we design, build and operate our facilities — from design and construction to day-to-day operations. We are honoured to receive PUB’s Singapore Watermark Award, which recognizes these efforts and builds on our broader sustainability journey, including our designation as a World Economic Forum Sustainability Lighthouse.</i> <i>As we work towards our global aspiration to reuse, recycle or restore 100% of the water we use in our operations, collaboration remains essential. By working together across industry, government and the community, we can help build a more sustainable and water-resilient future.”</i>
Institute of Technical Education (ITE) SWMA winner	• Embedded responsible water stewardship across its campuses, operations and student learning, guided by its 4Cs Sustainability Framework – Campus, Curriculum, Culture and Collaboration. • Students and staff have supported many external outreach programmes, including the Singapore World Water Day, Project Blue WaVe Kayak N Klean, NEWater outreach sessions, and the Flush Saver Cistern Bag project.  <i>Caption: ITE students learned kayaking basics while cleaning Singapore’s waterways.</i>

	 <i>Caption: In collaboration with PUB, ITE students installed Flush Saver Cistern Bags in several households across Choa Chu Kang, helping residents reduce water usage with every flush.</i> • ITE consciously upkeeps its infrastructure, systems, and equipment, and closely monitors water consumption across its three campuses. Beyond continuous monitoring, ITE also actively explores innovative water-efficient solutions to further improve operational water-use efficiency. • Partnered community organisations such as Mendaki to promote water conservation and sustainability awareness. <u>Spokesperson Quote:</u> Dr Ang Kiam Wee Deputy Chief Executive Officer, Institute of Technical Education, Singapore <i>“Receiving the Singapore Watermark Awards is a meaningful affirmation of ITE’s environmental stewardship and the collective efforts of our staff and students in advancing water conservation. At ITE, we see sustainability as more than an operational responsibility, it is also part of our mission to shape mindsets, skills and habits needed for a more sustainable future. Water sustainability is particularly important as it strengthens resource resilience, reduces operational costs and promotes social responsibility. Through infrastructure improvements, continuous water usage monitoring, preventive maintenance and engagement initiatives, ITE will continue to use water prudently and encourage our community to contribute meaningfully to Singapore’s sustainability goals.”</i>
National University Health System (NUHS) SWMA winner	• In FY2025, NUHS achieved an approximately 30% improvement in water efficiency compared with the FY2018 – 2020 baseline. After normalising for increased patient and visitor activity, this represents an estimated 612 million litres of water saved during the year – equivalent to the annual water needs of approximately 4,080 four-room HDB households. • Implemented Singapore’s first waterless adult ICU model across 44 rooms at Ng Teng Fong General Hospital (NTFGH), saving 1.9 million litres annually.



Caption: An example of a waterless hand hygiene station at NTFGH's ICUs.

- The first-in-Singapore dialysis reverse osmosis (RO) reject water recovery initiative at NTFGH saves approximately 9 million litres of potable (drinking) water every year, reducing demand for treated water and contributing to Singapore's broader water conservation and water resilience efforts.



Caption: Reject water from the RO systems used to prepare dialysis water is recovered and used for irrigation.

- Actively advocated water stewardship beyond its operations, such as organising the inaugural Healthcare Sustainability Symposium (April 2024), and the public forum engaging 300+ community members (June 2025) to share best practices.

	<u>Spokesperson Quote:</u> Mr Ng Kian Swan Chief Operating Officer, Group Facilities Management, Group Security & Group Emergency Planning, Chair, Energy & Water Taskforce, National University Health System <i>“Receiving the Singapore Watermark Award recognises NUHS’ commitment to water stewardship and sustainable healthcare.</i> <i>Water is essential to hospital operations and patient care, from infection control and sterilisation to dialysis and cooling systems. As a healthcare organisation operating around the clock, we recognise the importance of using this resource responsibly while maintaining care.</i> <i>Strengthening water sustainability and resilience through efficiency, reducing potable water use and exploring water recycling and reuse where feasible helps us reduce our environmental impact while strengthening continuity of care. This award affirms our efforts to protect our planet while caring for patients and future generations.”</i>
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Annex B: Water Efficiency Awards (WEA) and WEA (Projects)

The WEA is a biennial award which recognises the top 10th percentile of water-efficient performers in their respective sectors. The best performers in each sector refer to premises with the lowest Water Efficiency Index (WEI) or industrial plants with the highest water recycling rates.

Under WEA, the WEA (Projects) category was introduced in 2024 to recognise innovative projects that demonstrate remarkable improvements in their water efficiency and raise the industry benchmark. Nominations are evaluated based on the following criteria:

- Performance – Demonstrate efforts and quantifiable results in the reduction of water demand from PUB, increased recycled water from within the plants/premise and reduced costs and demonstrable return on investment.
- Innovativeness – Demonstrate innovative use of technology, process improvements to reduce water use or promote recycling.
- Project Leadership – Demonstrate collaborative efforts to overcome unexpected obstacles and challenges.
- Success of the Project – Demonstrate successful operation of the project, in accordance with all regulatory requirements.

List of WEA winners

Sector	S/N	Organisation
Biomedical Manufacturing	1	GlaxoSmithKline Biologicals
	2	JMS Singapore Pte Ltd
	3	Pfizer Asia Manufacturing Pte Ltd
Commercial Laundry	4	Orchid Laundry (Tohly Investments & Holdings Pte Ltd)
	5	Hotel Laundry Pte Ltd
Data Centres	6	Amazon Web Services Singapore
	7	Google Asia Pacific Pte Ltd (Site 1)
	8	Google Asia Pacific Pte Ltd (Site 2)
	9	Nxera DCW Pte Ltd
Electronics	10	Seagate Technology (Site 1)
	11	Seagate Technology (Site 2)

Hotel	12	Andaz Singapore
	13	Conrad Singapore Orchard
	14	Crowne Plaza Changi Airport
	15	Village Hotel Bugis
Junior College	16	Tampines Meridian Junior College (TMJC)
Office	17	The Metropolis
	18	Vision Exchange
Primary School	19	Anderson Primary School
	20	Kuo Chuan Presbyterian Primary School
	21	Nanyang Primary School
	22	Springdale Primary School
	23	Xishan Primary School
Retail	24	313@somerset
	25	IMM
	26	Northpoint City
	27	Plaza Singapura
Secondary School	28	CHIJ St. Joseph's Convent
	29	Clementi Town Secondary School
	30	Greenridge Secondary School
	31	Tampines Secondary School
	32	Zhonghua Secondary School
Wafer Fabrication	33	RF360 Singapore Pte Ltd
	34	Systems on Silicon Manufacturing Company Pte. Ltd.

List of WEA (Projects) winners

S/N	Sector	Organisation	Name of Project
1	Data Centre	Amazon Web Services Singapore	Electrooxidation Water Treatment System
2	Wafer Fab	Micron Technology	Local Scrubber Reclaim System
3	Government	Republic of Singapore Air Force	Automated Chinook Wash Shed
4	Power Generation	Taser Power Pte. Ltd.	Water Treatment Plant Operational Optimisation