

GREENGOV.SG SUSTAINABILITY TARGETS AND MEASURES

Peak the public sector's carbon emissions around 2025

- a) All premises will deploy solar photovoltaics where feasible, and the public sector will increase solar deployment to 1.5GWp by 2030.
- b) All cars newly procured and registered by the public sector will be clean energy vehicles with zero tailpipe emissions from 2023 onwards, and all public sector cars will run on cleaner energy by 2035.
- c) All agencies will pursue efficiency improvements in their operations and buildings.

Improve the Energy Utilisation Index¹ by 10 per cent by 2030 from average of 2018 to 2020 levels

- a) All new and existing buildings (upon major retrofit) are to achieve Green Mark Platinum Super Low Energy (SLE) standards or equivalent, where feasible.
- b) Government data centres will achieve the Green Mark Platinum standard by 2025.
- c) Existing public sector buildings will adopt the Guaranteed Energy Savings Performance (GESp) contracting model when embarking on chilled-water plant (including air distribution system) retrofits.

Improve the Water Efficiency Index² by 10 per cent by 2030 from average of 2018 to 2020 levels

- a) All premises will install 3-ticks Water Efficiency Labelling Scheme (WELS) fittings upon replacement.
- b) All premises that are undergoing Addition and Alteration (A&A) are to achieve a minimum number of Cycles of Concentration (COC)³ for their cooling towers⁴.
- c) All premises will adopt SS ISO 46001: 2019 Water efficiency management systems, if the water consumption is at least 36,000 m³/year.

¹ Energy Utilisation Index is defined as the annual energy consumption per unit area.

² Water Efficiency Index is defined as the amount of water used per person per day.

³ The theoretical number of times water circulates within the cooling tower system before being discharged.

⁴ The requirements are 7 and 10 Cycles of Concentration for cooling towers using potable water and NEWater respectively.

Improve the Waste Disposal Index⁵ by 30 per cent by 2030 from 2022 levels

- a) Public sector buildings with food and beverage (F&B) establishments will segregate the food waste for either on-site or off-site treatment from 2024.
- b) Agencies will not provide bottled water for meetings organised within public sector premises.

Green Procurement

All public sector agencies will adopt the enhanced green procurement requirements as shown in Table 1 below.

Table 1: Updated procurement requirements

Products	Requirements
Air-conditioners	<ul style="list-style-type: none"> • Minimum 5-ticks and using refrigerant with Global Warming Potential (GWP) \leq 750 for split unit air-conditioner models (up to 10kW cooling capacity) • Minimum 3-ticks and using refrigerant with GWP \leq 750 (if available) for split unit air-conditioner models above 10kW cooling capacity • Minimum 3-ticks and using refrigerant with GWP \leq 750 (when available) for 3-phase Variable Refrigerant Flow models
Refrigerators	<ul style="list-style-type: none"> • Minimum 3-ticks and using refrigerant with GWP \leq 15
Televisions	<ul style="list-style-type: none"> • Minimum 4-ticks for all sizes
Lamps	<ul style="list-style-type: none"> • Minimum 3-ticks for integrated Compact Fluorescent Lamps (CFLi) and Light Emitting Diode (LED) bulbs (Bayonet, Edison base) • Minimum 2-ticks for Compact Fluorescent Lamps (CFLni) and LED bulbs (G24 base) • Minimum 2-ticks for tubular lamps (G13 base)
Water fittings and equipment	<ul style="list-style-type: none"> • Minimum 3-ticks for basin taps, shower taps, urinals and dual-flush low capacity flushing cisterns • Maximum 6L/min for high pressure washer jets • Maximum 7.8L/kg for top/front load and 12L/kg for side load washer extractors • Maximum 2L/rack for dishwashers of undercounter/hood type, 1L/rack for single tank conveyor, 0.66L/rack for multi-tank conveyor, and 0.59L/rack for flight type

⁵ Waste Disposal Index is defined as the amount of waste disposed of per person per day.

Building products	<ul style="list-style-type: none"> • Relevant building products for interior use (e.g. wall and ceiling finishes) that are accredited with the Singapore Green Labelling Scheme by the Singapore Environment Council, or Singapore Green Building Certification scheme by the Singapore Green Building Council, where available
Printing paper	<ul style="list-style-type: none"> • White printing paper that is accredited with the Enhanced Singapore Green Labelling Scheme by the Singapore Environment Council
ICT equipment	<ul style="list-style-type: none"> • ICT equipment that meet the latest ENERGY STAR standards, where available
Vehicles	<ul style="list-style-type: none"> • All cars procured and registered are to be clean energy vehicles with zero tailpipe emissions, starting from 2023