



FY2024 Environmental Sustainability Disclosure

Singapore Dental Council
Singapore Medical Council
Singapore Nursing Board
Singapore Pharmacy Council
Traditional Chinese Medicine Practitioners Board

ABOUT US

Healthcare Professional Boards and Councils

There are 11 healthcare professional boards and councils (PBs) in Singapore, of which five are statutory boards and six are professional bodies under the Ministry of Health (MOH).

The five statutory boards are the Singapore Dental Council (SDC), Singapore Medical Council (SMC), Singapore Nursing Board (SNB), Singapore Pharmacy Council (SPC) and Traditional Chinese Medicine Practitioners Board (TCMPB).

The six professional bodies under MOH are the Allied Health Professions Council (AHPC), Optometrists and Opticians Board (OOB), Family Physicians Accreditation Board (FPAB), Specialists Accreditation Board (SAB), Dental Specialists Accreditation Board (DSAB) and Pharmacy Specialists Accreditation Board (PSAB).

Together, the 11 PBs are the regulatory authorities for registered healthcare professionals in Singapore, as stipulated by their respective Acts, i.e. the dentists and oral health therapists, doctors, nurses and midwives, pharmacists, traditional chinese medicine practitioners, allied health professionals, optometrists and opticians, family physicians, medical specialists, dental specialists and pharmacist specialists.

The missions of the PBs are to protect the health and safety of the public and uphold high standards of practice of the healthcare professionals.

Secretariat of healthcare Professional Boards

The Secretariat of healthcare Professional Boards (SPB) was formed on 1 January 2020 to support the secretariat and operational functions of the 11 healthcare PBs. The environmental sustainability disclosures for the healthcare PBs have been prepared and consolidated as one entity by SPB.

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SCOPE AND BOUNDARY

This second Environmental Sustainability Disclosure reaffirms our healthcare PBs' continued commitment to environmental stewardship. This disclosure articulates our sustainability goals, governance framework, and performance indicators. We are committed to releasing this report annually, demonstrating our dedication to transparency and accountability in our sustainability efforts.

This report covers the period under the Financial Year 2024 (FY2024), from 1 April 2024 to 31 March 2025. Our disclosure encompasses the sustainability performance and practices of all 11 healthcare PBs, with the SPB secretariat operating in two tenanted offices at 81 Kim Keat Road and College of Medicine Building.

Building upon our inaugural disclosure in FY2023, the reporting scope is expanded to include waste disposal data, demonstrating our commitment to environmental reporting. Water usage data continues to be monitored, with reporting planned in FY2025.



PREFACE

FY2024 marked a year of significant progress in our sustainability journey. As we emerged from the challenges of the COVID-19 pandemic, the healthcare PBs have strengthened their commitment to environmental stewardship while maintaining regulatory excellence. Our alignment with GreenGov.SG targets continues to drive our sustainability initiatives, with a focus on resource efficiency.

This second report demonstrates our continued dedication to transparency and accountability in our sustainability efforts. We have enhanced our data collection capabilities and reporting, implementing more initiatives in our operations across our offices.

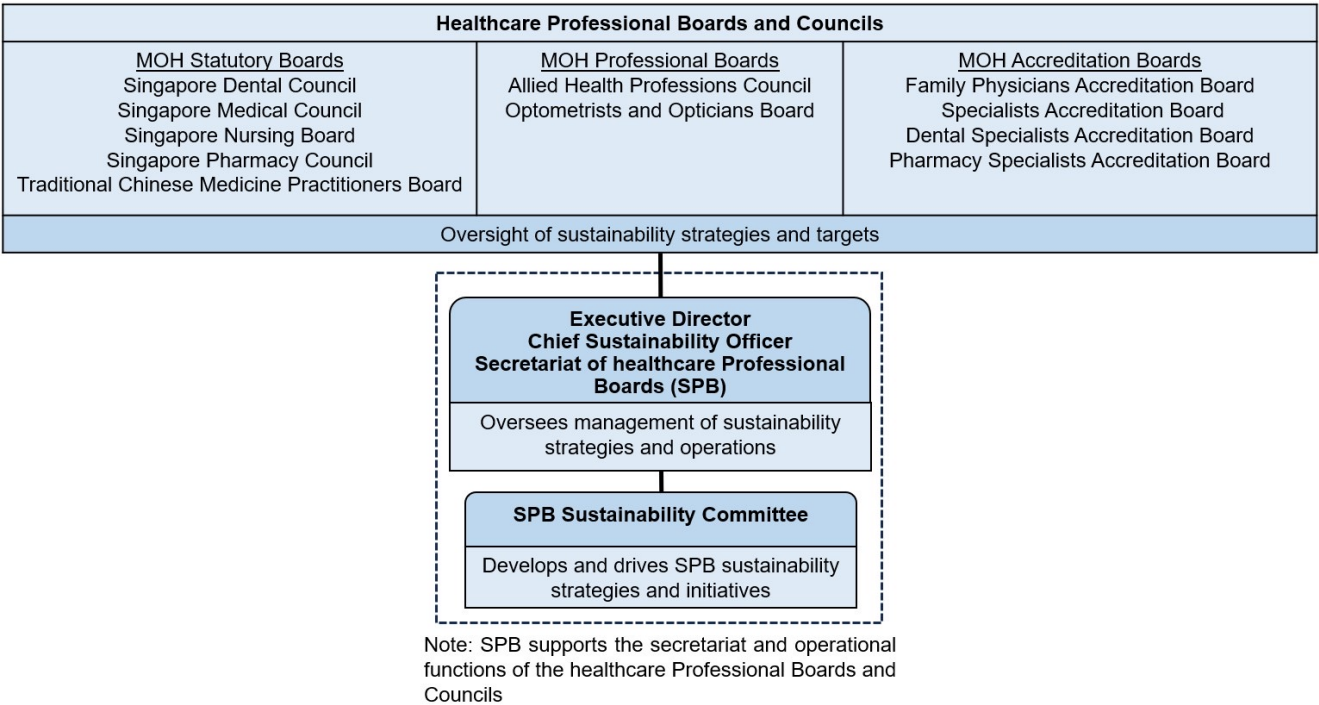
As we reflect on our achievements and challenges in FY2024, we recognised that sustainability is not just of importance to the environment but is fundamental to responsible governance. Our efforts to reduce carbon footprint, optimise resource utilisation, and promote sustainable practices have been increasingly integrated into our daily operations and decision-making processes. Through the dedication of our staff, we remain committed to building a more sustainable future for Singapore.

SUSTAINABILITY GOVERNANCE STRUCTURE

The governance of our sustainability initiatives is led by the Executive Director of SPB, who is our Chief Sustainability Officer. In this role, she provides strategic direction and ensures alignment of sustainability efforts across all 11 healthcare PBs. Her leadership is instrumental in driving environmental initiatives and embedding sustainable practices throughout our operations.

The SPB Sustainability Committee works closely alongside the Executive Director, who plays a vital role in leading and monitoring our sustainability agenda. This structured approach enables effective coordination of sustainability efforts and ensures accountability across all organisational levels.

Through this governance framework, it enables us to effectively pursue our sustainability objectives while ensuring alignment with organisational goals.



ENVIRONMENTAL SUSTAINABILITY TARGETS AND PERFORMANCE

In FY2024, the healthcare PBs have made much progress towards meeting our environmental sustainability goals, building upon the foundation established in our previous reporting year. Our commitment to environmental stewardship is reflected in our approach to monitoring and reducing our environmental impact. These efforts are aligned with the GreenGov.SG initiative, which forms a crucial component of the Singapore Green Plan 2030. We continue to work towards achieving our long-term sustainability objectives.

Greenhouse Gas Emissions

Our target is to achieve net zero emissions by around year 2045.

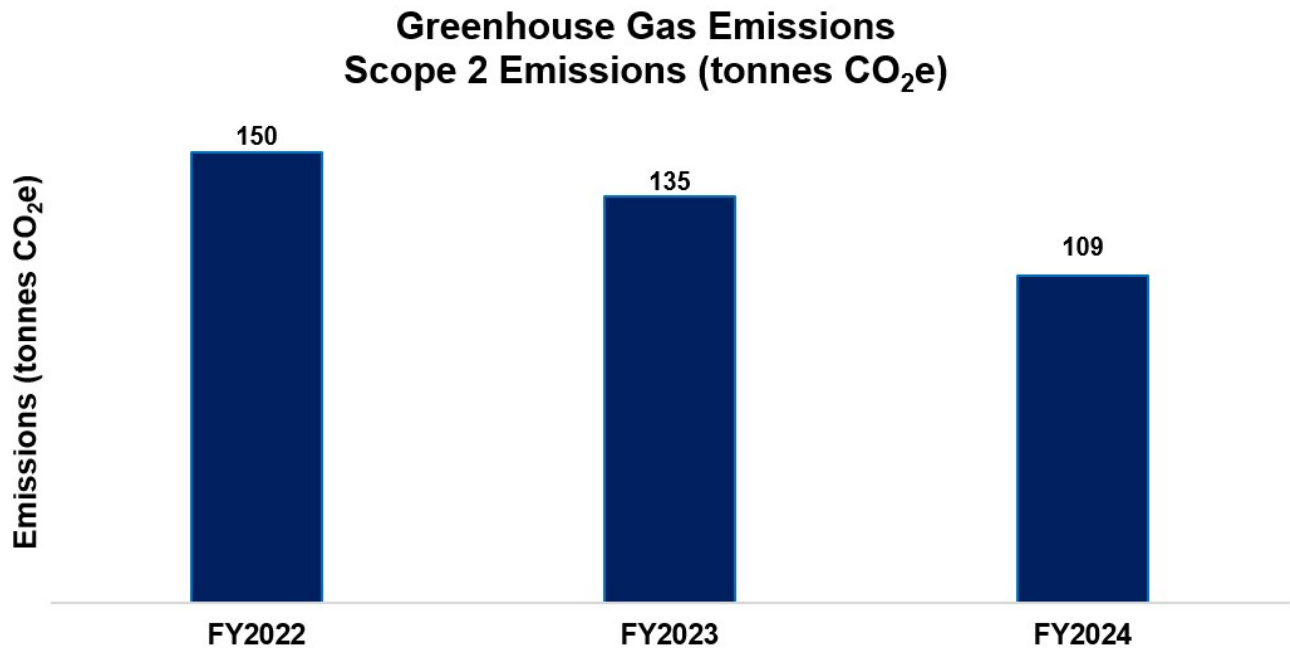
In FY2024, our healthcare PBs achieved total Scope 2 emissions^[1] of approximately 109 tonnes of carbon dioxide (CO₂), representing a further 19% reduction compared to FY2023. This was an improvement from the previous year's reduction of 10% (FY2022 to FY2023). This substantial decrease in emissions was attributed to several key initiatives:

- a. Replacement of energy-efficient VRV air-conditioner with central remote controller and timer within our premises
- b. Replacement of LED technology light fittings throughout our premises
- c. Implementation of business broadband network and CloudPrint in our office at College of Medicine Building, reducing energy consumption in the LAN room
- d. Reduced the number of photocopiers through resource centralisation
- e. Enhanced staff awareness and active participation in energy-saving initiatives e.g. SPB Earth Hour
- f. Implementation of hybrid work arrangements
- g. Reduced office operations during office renovation

These initiatives have demonstrated our strong commitment to reducing our carbon footprint and our sustainability targets. As in previous years, Scope 1 emissions remain not applicable to the healthcare PBs, as our

[1] Scope 1 emissions refer to direct greenhouse gas emissions from sources that are owned or controlled by an organisation, such as petrol and diesel. Scope 2 emissions refer to indirect emissions associated with the purchase of electricity.

operations do not require direct usage of petrol and diesel. Our focus continues to be on managing and reducing Scope 2 emissions through various sustainable initiatives.



Electricity Consumption

Our target is to reduce 10% in Energy Utilisation Index (EUI) by 2030 as compared to the average of FY2018 to FY2020 levels^[2].

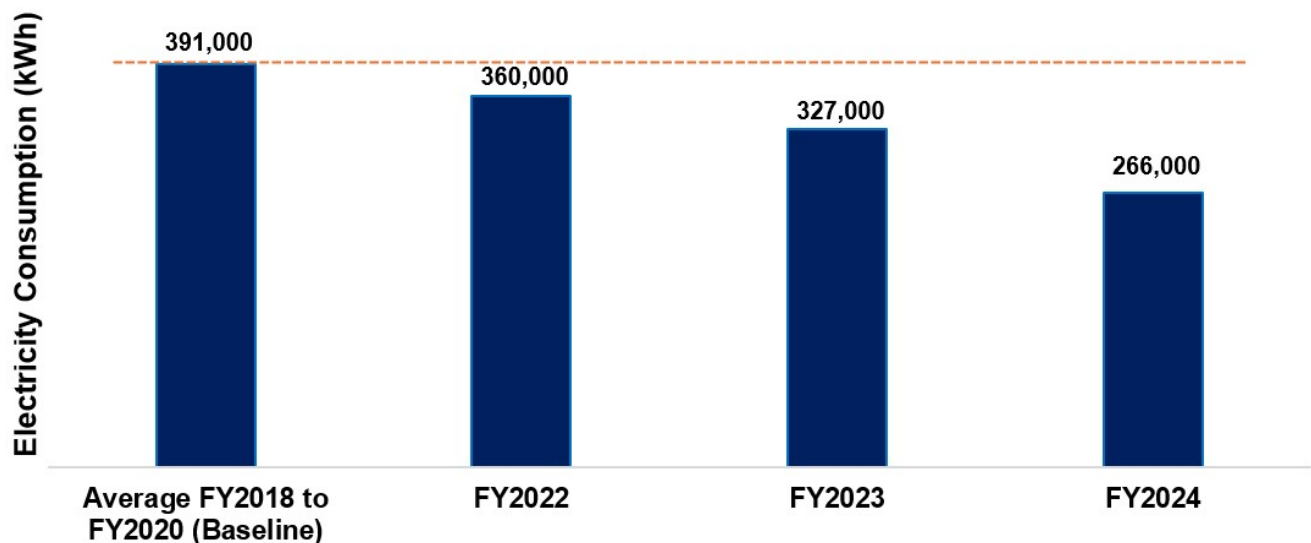
In FY2024, the healthcare PBs' electricity consumption was approximately 266,000 kWh, marking a substantial decrease of 32% from our baseline consumption of 391,000 kWh. Our Energy Utilisation Index (EUI) has improved significantly to 146 kWh/m², representing a 33% reduction from the baseline EUI of 217 kWh/m². This improvement was achieved through the following initiatives:

- a. Replacement of energy-efficient VRV air-conditioner with central remote controller and timer for our premises
- b. Replacement of LED technology light fittings throughout our premises
- c. Implementation of business broadband network and CloudPrint in our office at College of Medicine Building, reducing energy consumption in the LAN room

[2] For electricity usage, the average of FY2018 to FY2020 was adopted as the baseline, aligned with Whole-of-Government GreenGov.SG baseline. This period was chosen to better reflect hybrid working arrangements post-pandemic and historical records were available.

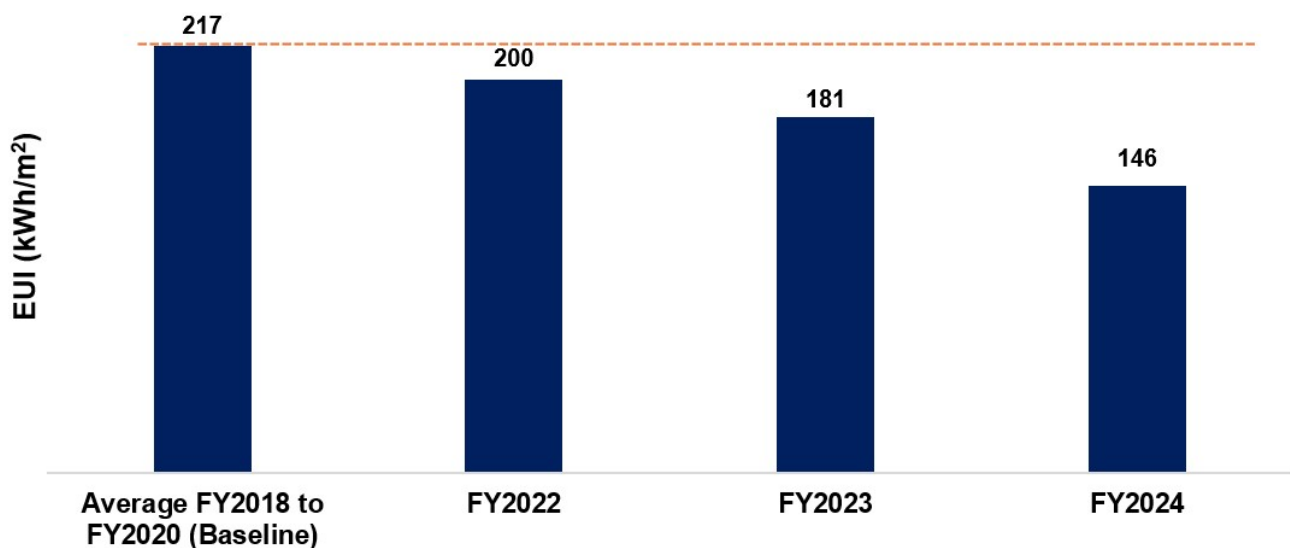
- d. Reduced the number of photocopiers through resource centralisation
- e. Enhanced staff awareness and active participation in energy-saving initiatives e.g. SPB Earth Hour
- f. Implementation of hybrid work arrangements
- g. Reduced office operations during office renovation

Electricity Consumption (kWh)



Note: Electricity consumption rounded to the nearest 1,000

Energy Utilisation Index [EUI] (kWh/m²)



Note: EUI rounded to the nearest whole number

Water Consumption

Our target is to achieve a 10% reduction in Water Efficiency Index (WEI) by 2030 compared to the baseline^[3]. However, this disclosure currently excludes performance data for water.

While we have successfully installed private water meters in our tenanted office premises during FY2023 and FY2024, we are continuing to collect and validate water consumption data to ensure accuracy in our reporting. This approach will enable us to establish reliable baseline measurements and track our progress effectively. We remain committed to water conservation efforts and plan to include water usage data in our FY2025 sustainability disclosure.

Waste Generation

Our target is to reduce 30% in Waste Disposal Index (WDI) by 2030 as compared to the baseline^[4].

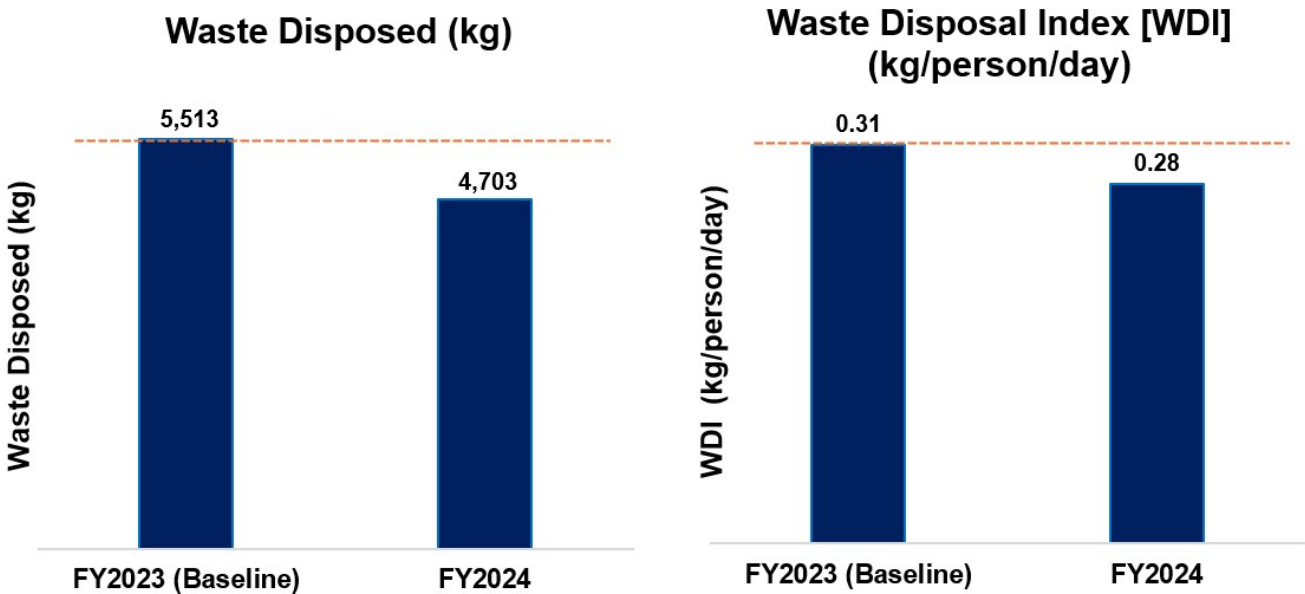
In FY2024, we have successfully implemented waste monitoring, allowing us to track and report our waste management performance. The total waste disposed decreased to 4,703 kg, showing a 15% reduction from FY2023's 5,513 kg. Our recycling efforts yielded approximately 132 kg of recycled materials from October 2024 to March 2025 through clean stream collection (paper, plastic and metal) by the recycling company. This is aligned with our overall reduction in waste generation, reflecting our commitment to waste minimisation at source.

Our WDI for FY2024 is 0.28 kg per person per day, representing a 10% improvement from FY2023. This reduction demonstrates the effectiveness of our waste management initiatives and brings us closer to our 2030 target. The improvement can be attributed to enhanced waste segregation practices, increased staff awareness, and the implementation of waste reduction programmes across our office operations.

[3] For water consumption, FY2024 usage will be adopted as the baseline as historical records for the healthcare PBs' offices are not available. The water usage was metered as a whole building and makes it challenging to attribute the usage to the healthcare PBs' offices.

[4] For waste generation, FY2023 waste generation will be adopted as the baseline as historical records for the healthcare PBs' offices are not available.

These measurements provide valuable insights into our waste management practices and will help us develop more strategies to achieve our 2030 WDI reduction target. We continue to focus on improving our waste segregation practices and promoting waste reduction initiatives across our operations.



SUSTAINABILITY EFFORTS

Measures Implemented to Achieve our Targets

The healthcare PBs have strengthened and expanded our sustainability measures in FY2024. These include:

Energy Efficiency Initiatives:

- Optimisation of air-conditioning systems with controls and timers
- Continued replacement and maintenance of energy-efficient LED lighting
- Regular monitoring of energy consumption patterns
- Guidelines for staff on energy-saving practices, including signages and reminders to switch off all lighting when not in use

Water Conservation Measures:

- Maintenance and monitoring of water-efficient fittings
- Regular checks for water leakages

Waste Management Initiatives:

- Recycling programmes for paper, plastic, and metal waste
- Proper waste segregation practices
- Reduce paper consumption by digital workflows such as the use of FormSG in events registration, vendor briefings and loan of equipment

Resource Conservation:

- No provision of bottled or packaged water for meetings
- Encourage the use of reusable containers and cutleries instead of disposables
- Cessation of printed materials through adoption of digital documentation
- Double-sided printing has been configured as the default setting on all printers when printing cannot be avoided

Digital Transformation Initiatives

Building upon our successful implementation of electronic Registration Certificates (e-RC) and electronic Practising Certificates (e-PC), collectively known as e-Certs, in our Professional Registration System, we continued to strengthen our digital initiatives in FY2024. The complete elimination of hardcopy certificates has significantly reduced our carbon footprint. In FY2024, approximately 73,800 e-RCs/e-PCs were

issued, contributing to our goals of paper consumption reduction, energy savings and carbon emissions reduction goals while improving service delivery efficiency.

- Paper consumption reduction: elimination of physical card stock and certificate paper
- Energy savings: reduced energy usage from printing operations
- Carbon emissions reduction: reduced carbon emissions and energy consumption from delivering of hardcopy certificates

Green Purchases and Operations

In FY2024, we strengthened our commitment to sustainable purchases through:

- Equipment and products procured are certified under the Mandatory Energy Labelling Scheme (MELS) or the Singapore Green Labelling Scheme (SGLS)
- Selection of environmentally certified cleaning products and pest control services
- Integration of sustainability criteria in procurement evaluation, with sustainability considerations accounting for evaluation points

Building a Sustainable Culture

Throughout FY2024, we enhanced our sustainability engagement programmes through various initiatives and outreach activities for the SPB secretariat team. These activities were designed to drive and promote sustainability practices across our organisation:

- Nature and Sustainability Tours to Gardens by the Bay - Energy and Water Tour, and Carbon and Climate Tour
- SPB Clean and Walk Day 2024
- Monthly SPB Earth Hour during lunch time
- Pre-Loved Items Rescue Days
- Implementation of recycling programmes for paper, plastic, and metal waste
- Sustainability sharing session on recycling



These activities have played a significant role in fostering a culture of sustainability within our organisation and promoting environmentally responsible practices among our staff. The combination of educational initiatives, hands-on activities, and regular environmental practices has helped embed sustainability into our organisational culture and daily operations.

Conclusion

FY2024 has been a year of significant progress in our sustainability journey. We have not only maintained our commitment to environmental stewardship but have also expanded our initiatives. The healthcare PBs remain dedicated to achieving our environmental targets while continuing to provide service to our stakeholders.

ANNEX

Greenhouse Gas Emissions

Target: Peak emissions (Scope 1 and 2) around 2025

Performance			Assessment
Scope 1 emissions	FY2022	0	Carbon emissions: 19% reduction from 135 tonnes CO ₂ e in FY2023
	FY2023	0	
	FY2024	0	
Scope 2 emissions	FY2022	150 tonnes CO ₂ e	
	FY2023	135 tonnes CO ₂ e	
	FY2024	109 tonnes CO ₂ e	
Total Scope 1 and 2 emissions	FY2022	150 tonnes CO ₂ e	
	FY2023	135 tonnes CO ₂ e	
	FY2024	109 tonnes CO ₂ e	

Notes:

1. Scope 1 emissions refer to direct emissions from sources owned or controlled by the healthcare Professional Boards and Councils.
2. Scope 2 emissions refer to indirect emissions resulting from the use of purchased electricity.
3. The following Grid Emission Factors (GEF) were obtained from the Energy Market Authority's website^[5]:

Year	GEF (kg CO ₂ /kWh)
2024	0.4120 ^[6]
2023	0.4120
2022	0.4168

4. For FY2023 emissions, there was a correction from 136 tonnes CO₂e to 135 tonnes CO₂e (as published in FY2023 Sustainability Environmental Disclosure) due to the use of the actual 2023 GEF figure.

[5] SES Chapter 2: Energy Transformation, Energy Market Authority.

[6] The GEF for 2024 is not available at the time of this disclosure's publication. Therefore, the 2023 figure was used for 2024.

Electricity Consumption

Target: 10% reduction in Energy Utilisation Index (EUI) by 2030, compared to the average of FY2018 to FY2020 levels

Performance			Assessment
Electricity Consumption	Average FY2018 to FY2020 (Baseline)	391,000 kWh	EUI: 33% reduction from baseline 217 kWh/m ²
	FY2022	360,000 kWh	
	FY2023	327,000 kWh	
	FY2024	266,000 kWh	
EUI	Average FY2018 to FY2020 (Baseline)	217 kWh/m ²	
	FY2022	200 kWh/m ²	
	FY2023	181 kWh/m ²	
	FY2024	146 kWh/m ²	

Note: Electricity consumption rounded to the nearest 1,000

Notes:

1. EUI is defined as the total electricity consumed by a facility in one year divided by its total gross floor area (GFA).
2. The formula used to calculate the EUI is as follows:

$$\frac{\text{Total Electricity Used in Year } X}{\text{Total GFA in Year } X}$$

3. For the calculation of the baseline and FY2024 performance: GFA is taken to be 1,815.64 m².

Waste Generation

Target: 30% reduction in Waste Disposal Index (WDI) by 2030, compared to FY2023 level

Performance			Assessment
Waste Disposed	FY2023 (Baseline)	5,513 kg	WDI: 10% reduction from baseline of 0.31 kg/person/day
	FY2024	4,703 kg	
WDI	FY2023 (Baseline)	0.31 kg/person/day	
	FY2024	0.28 kg/person/day	

Note: Waste generation figures are rounded

Notes:

- WDI is defined as the total waste disposed per day divided by the total number of public officer headcount including visitors to the premises.
- The formula used to calculate WDI is as follows:
$$\frac{\text{Total amount of waste disposed in Year X}}{\text{Average number of operational days in Year X} \times \text{Average number of staff per day} + (0.25 \times \text{Average number of visitors per day})}$$
- For the calculation of the baseline performance: Average number of operational days is taken to be 249 days. Average number of staff per day is taken to be 70. Average number of visitors per day is taken to be 5.
- For the calculation of FY2024 performance: Average number of operational days is taken to be 250 days. Average number of staff per day is taken to be 65. Average number of visitors per day is taken to be 5.