

CHAMPIONING SUSTAINABLE SPORT



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Sport Singapore ("SportSG") is committed to advancing sustainability and integrates environmentally responsible practices into our sport events and activities. Our inaugural Environmental Sustainability Disclosure Report reflects this dedication, highlighting our efforts to minimise our carbon footprint, optimise resource efficiency, and continuously enhance the sustainability of our operations in the areas of emissions, energy, waste and water. This report serves as a testament to our ongoing commitment to creating a lasting positive impact on both the sporting community and the environment.



About SportSG



Our Core Values

Passion for Sport

We are passionate about the power of sport to inspire pride and excellence in people's lives.

Strength through Teamwork

We achieve our common goals through the synergy of our collective strengths.

Care for People

We work with all people with care and respect, and in ways that will inspire and empower them to achieve their fullest potential.

Live Better through Sport

SportSG serves as the lead agency responsible for cultivating a vibrant and inclusive sport culture in Singapore. We inspire and transform the nation through innovative, engaging, and impactful sporting experiences.



About This Report

This report encompasses the full scope of emissions, energy, water, and waste-related performance for the financial year 1 April 2023 to 31 March 2024 ("FY2023"). It includes the environmental performance of all sport centres under SportSG's operational control, reflecting our comprehensive approach to sustainability management and transparency in our operations.

As a statutory board under the Singapore Government, SportSG aligns our strategic plans with the Singapore Green Plan 2030 and GreenGov.SG framework to contribute meaningfully to Singapore's long-term environmental objectives.

We welcome feedback from our stakeholders as we continually improve on our sustainability processes and performance. Please send all feedback to go.gov.sg/sportsgfeedback.



Chairman's Message

As Singapore charts its course towards net-zero emissions by 2050 through the Singapore Green Plan 2030, Sport Singapore is committed to playing a pivotal role in this national endeavour.

In FY2023, our sport centres and facilities welcomed nearly 18 million visitors, underscoring the significant impact our sustainability efforts can have. We recognise our responsibility to not only enhance our environmental performance but also to inspire sustainable practices among our stakeholders.

This year, we have taken concrete steps to align with the GreenGov.SG initiative:

1. Formulated our environmental vision
2. Launched initiatives to reduce our carbon footprint
3. Improved resource efficiency
4. Raised awareness among employees

Notable projects include repurposing glass bottles from doping control test kits into appreciation plaques and engaging in tree planting activities with ActiveSG corporate partners. These efforts reflect our commitment to "empowering people to live better through sport and integrating sport into the lives of all Singaporeans". By embedding sustainability into our operations such as the sustainability events checklist during GetActive! and educating the public on the upcycling of old basketballs into planters during the FIBA 3x3 2023 championship, we aim to cultivate awareness and inspire responsible behaviour in both athletes and visitors. The newly completed Bukit Canberra facility was also awarded the Green Mark certification in recognition for initiatives such as the implementation of solar panels.

Looking ahead, SportSG will continue to collaborate with local agencies to advance our environmental objectives. We believe that by promoting environmental responsibility, we can contribute not only to a vibrant sport culture but also to a healthier, more sustainable Singapore.

Together, we can ensure that our impact extends beyond the sporting arena, benefiting both our community and our environment.

Mr Kon Yin Tong
Chairman of Sport Singapore

Our Sustainability Journey

SportSG remains committed to using sport as a platform to contribute to a more sustainable and inclusive future. Over the years, we have introduced various sustainability initiatives, including achieving green building certifications at several of our sport centres, reflecting our focus on environmental responsibility and operational improvements.



2021



Formation of the SportSG Green Journey Committee to develop SportSG's sustainability strategy to meet the targets set out in the Singapore Green Plan.



Development of four key strategic areas for sport to embrace sustainability:

1. Sport infrastructure
2. Sporting events
3. Reduce, Recondition, Recycle ("3R")
4. Community activation



Participation in Ministry of Sustainability and the Environment (MSE) Climate Action Week 2021 with tree planting at Jurong Lake Garden and sport centres.



Launch of a shoe recycling programme.

2022



Announcement at the Committee of Supply 2022 on supporting the Singapore Green Plan 2030 through greener infrastructure with Green Mark certifications, greener sport events, greater participation in 3R and rallying the community to advocate for sustainability.



Launch of a Bring Your Own ("BYO") reusables campaign in conjunction with MSE Climate Action Week 2022.



Launch of the Active Tree Planting for Planet campaign in support of OneMillionTrees Movement.

2023



Installation of a recycled shoe granules running track at Kallang Football Hub and ActiveSG Sport Village @ Jurong Town.



Installation of recycled shoe granules at a play area in Bukit Canberra.



Introduce the implementation of a sustainability events checklist for GetActive! Singapore and completion of audit by in-house sustainability managers.

FY2023 Key Highlights

Developed the SportSG inaugural Environmental Vision.

Introduced and implemented the GetActive! Singapore sustainability events checklist.

84% of sport centres achieved certification under Singapore's Public Utilities Board (PUB) Water Efficient Building (WEB) (Basic) Certification Programme.

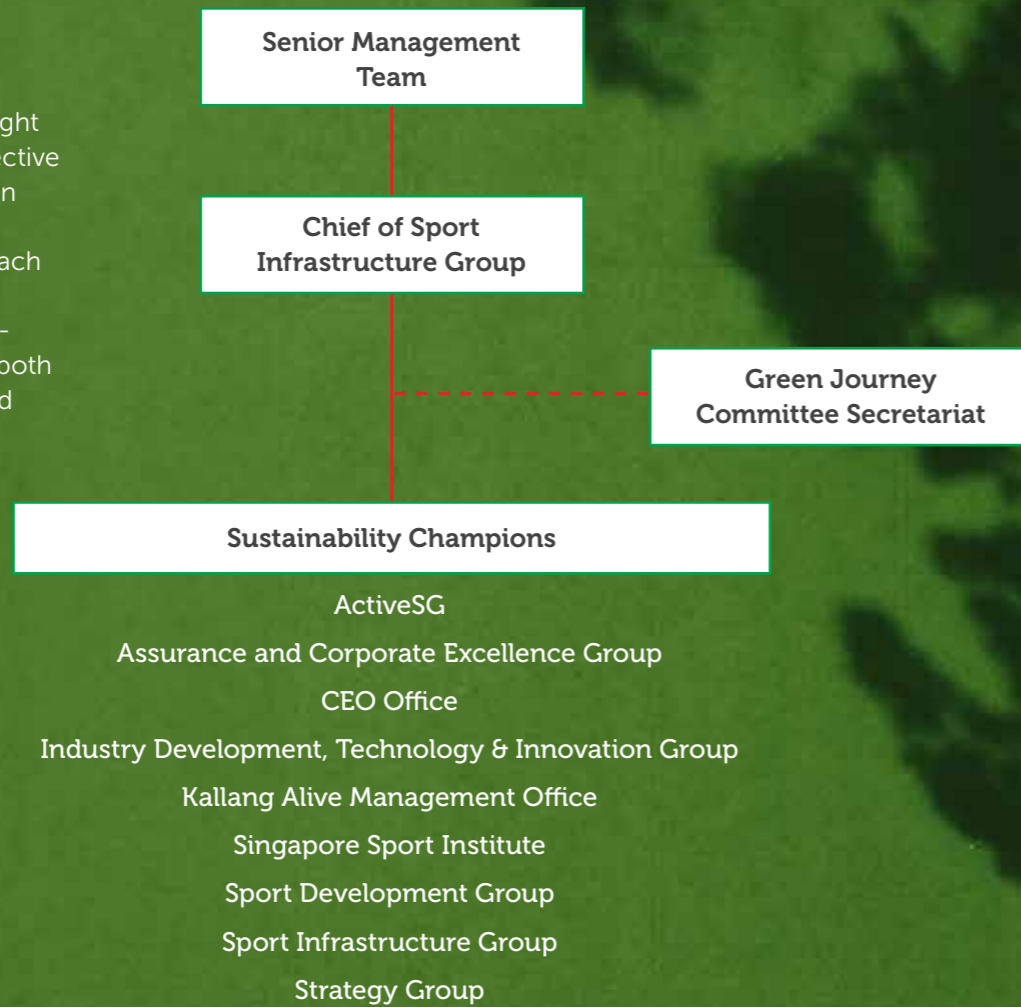
Conducted energy and waste audits at Sengkang Sport Centre.

Opening of Bukit Canberra and attained Green Mark Platinum certification which included installation of solar panels.

SportSG Environmental Strategy

Governance

At SportSG, sustainability is fully integrated across all levels of the organisation, supported by strong oversight mechanisms to ensure effective management and execution of sustainability initiatives. This comprehensive approach ensures that sustainability takes focus in our decision-making processes, driving both corporate responsibility and sustainable growth.



The Chief holds the responsibility for overseeing all sustainability initiatives at SportSG, ensuring the organisation achieves its sustainability targets outlined under the GreenGov.SG initiative. In addition, the Chief serves as the head of the Green Journey Committee Secretariat, leading strategic sustainability efforts across all levels of SportSG and driving the integration of sustainability principles into our organisation's daily operations.

Formed in FY2021, the Green Journey Committee supports the Chief and consists of a core group of representatives from various departments within SportSG. This Committee is responsible for developing and implementing strategies and policies that drive sustainability efforts throughout the organisation, ensuring alignment with SportSG's environmental goals and broader national initiatives.

The Sustainability Champions, comprising employees from all departments at SportSG, play a vital role in supporting the Green Journey Committee Secretariat in the execution of sustainability-related initiatives across the organisation. They ensure that policies, procedures, and operations are fully aligned with GreenGov.SG requirements, while also providing regular updates to SportSG Senior Management on the organisation's environmental performance progress against established targets.

SportSG Environmental Vision

To further Singapore's climate ambitions by developing sustainable sport infrastructure and leveraging our influence in the sport industry and community, to collaborate and drive meaningful and environmentally sustainable change.



Sport Green Plan

In FY2022, SportSG introduced the Sport Green Plan with the goal of driving the transformation of the entire sport industry towards a more sustainable future. The plan was structured around four key focus areas: Sport Infrastructure, Sporting Events, Reduce, Recondition and Recycle, and Community Activation. Through these focus areas, SportSG aimed to engage stakeholders and partners across the sporting community, encouraging collaboration to drive actionable sustainability initiatives.

As sustainability priorities evolved, SportSG reassessed the Sport Green Plan in FY2023, refining our approach to streamline efforts and focus on three core areas to enhance impact and efficiency.

Comply with GreenGov.SG	Fulfilling commitment as Green Nation Pledge Champion	Publish annual sustainability disclosures from FY2024
To align with Whole-Of-Government efforts	To influence sustainable behaviour through sport	To track and create awareness of our sustainability efforts

FY2023 Environmental Disclosures



Greenhouse Gas Emissions

We recognise that our operations and events — ranging from organising sport competitions and international tournaments to managing sport centres for activities like badminton and basketball — carry a substantial environmental footprint. We have started to encourage sustainability efforts at GetActive! Singapore 2023 and hope to scale up to more events in efforts to reduce Greenhouse Gas Emissions (GHG). It is also essential to prioritise emission reductions at every level, from infrastructure development to ongoing maintenance, to effectively minimise our overall environmental impact.

Our Progress	Our Target
FY2023 Scope 2 emissions ¹ : 35,234.9 t CO ₂ e, an increase due to the addition of Singapore Sports Hub emissions data from Dec 2022 onwards.	Peak emissions around 2025 ²

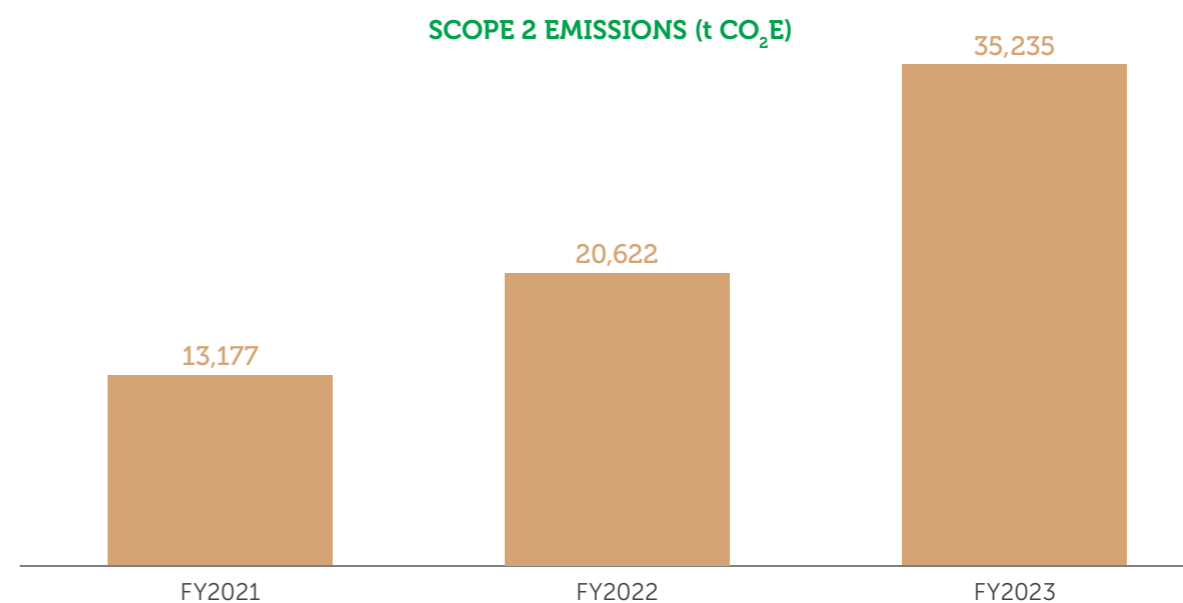
¹ The emission factor used to calculate SportSG’s Scope 2 emissions references data from the Singapore Energy Market Authority. SportSG’s Scope 1 emissions are expected to be marginal in comparison to its overall emissions and will be included when data is available in future reporting.

² In alignment with GreenGov.SG target for government agencies.

Our Performance

This year, SportSG commenced the tracking of our Scope 2 emissions, which encompass emissions resulting from electricity consumption across all sport centres under our operational control. A substantial amount of electricity is utilised to meet the operational and maintenance demands of these facilities, including the powering of lighting systems and air-conditioning units.

In FY2023, we recorded a total of 35,235 t CO₂e of Scope 2 emissions. In the fourth quarter of FY2022, we took control over Singapore Sports Hub which held many events. This rise in trend is primarily attributed to the increase in the number of sport events and visitors, as our facilities returned to full operational capacity following the easing of pandemic-related restrictions. The higher demand for energy and resources during this period underscores the impact of increased facility usage on our overall emissions footprint.



Ownership of Singapore Sports Hub was transferred to Sport Singapore from December 2022 onwards and corresponding emissions data added.

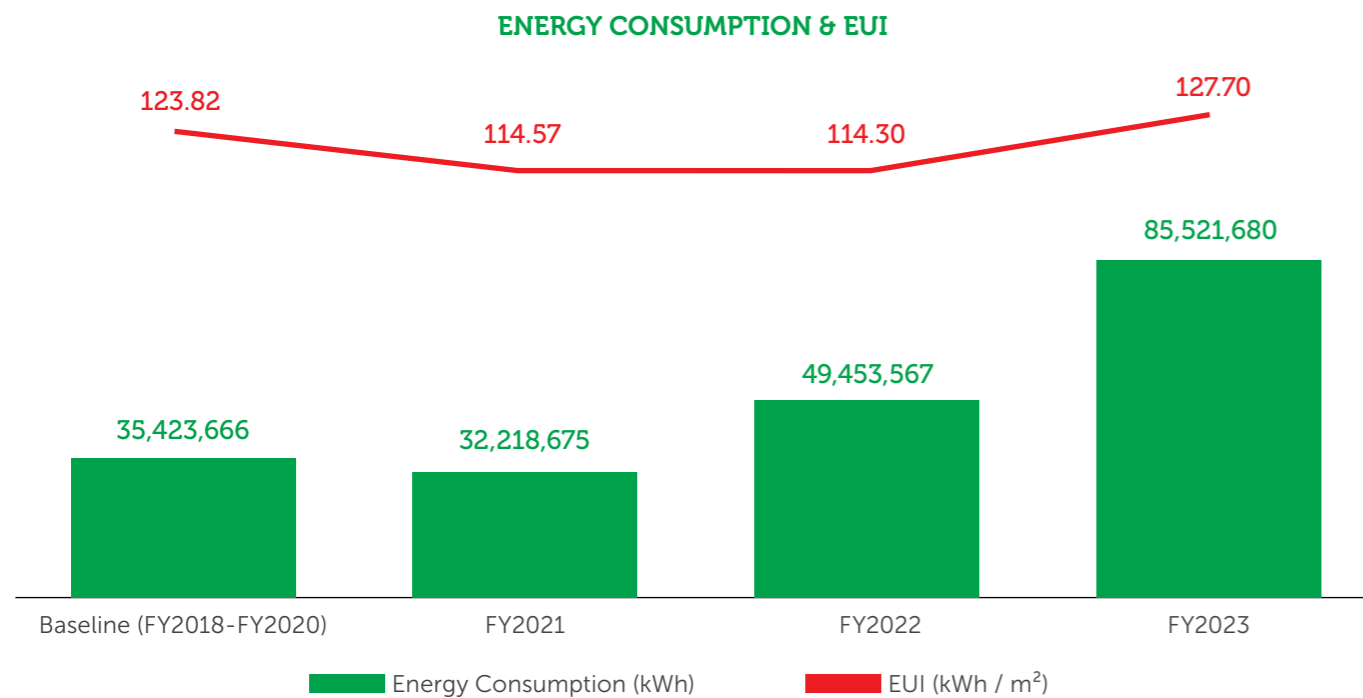
Energy

Sport centres require substantial amounts of energy for lighting, cooling, and various operational needs. By adopting energy-efficient practices and optimising energy usage, SportSG can significantly reduce electricity consumption, achieve cost savings, and enhance the overall operational efficiency of our facilities. Moreover, given the high visibility and influence of sport, our sport centres serve as a unique platform for promoting climate awareness. SportSG is committed to prioritising energy reduction, leading by example, and inspiring athletes and visitors to embrace similar sustainability practices.

Our Progress	Our Target
FY2023 Energy Utilisation Index (EUI): 127.70 kWh/m ² , a 3.1% increase compared to the baseline (FY2018 – FY2020)	Reduce EUI by 10% from the baseline (FY2018 – FY2020) by FY2030

Our Performance

SportSG achieved an EUI of 127.70 kWh/m², representing a 3.1% increase compared to the baseline period (FY2018–FY2020). We will continue to invest in energy efficiency initiatives and technologies to meet our reduction target by FY2030.



Ownership of Singapore Sports Hub was transferred to Sport Singapore from December 2022 onwards and corresponding consumption data added. EUI calculation for FY2022 is pro-rated.



Key Initiatives & Future Plans

At SportSG, we have implemented several energy-saving measures across our sport centres to optimise energy efficiency. These include maintaining an ambient temperature of 25 degrees Celsius where feasible, partially turning off air conditioning during off-peak periods, and switching off non-essential lighting. Currently, 70% of our air-conditioning units are three-ticks under Singapore’s Minimum Energy Performance Standards and we plan to upgrade all air-conditioning units, wherever feasible, to this standard. This reflects our commitment to enhancing energy efficiency across our sport centres.

Additionally, we have also installed solar panels at three sport centres – ActiveSG Park @ Jurong Lake Gardens, Bukit Canberra and Pasir Ris Sport Centre. Going forward, we aim to roll out more solar panels at all our facilities, where feasible.

Currently, approximately 55% of our sport centres are equipped with LED lighting, and we have set a target to complete the conversion to LED for most of the lighting in all our facilities by FY2024. The replacement of high mast lightings will take place progressively over the next 5 years. This initiative forms part of our broader

commitment to reducing energy consumption and enhancing sustainability across our operations.

To further reduce our energy consumption and emissions, we plan to progressively install motion detection sensors for lighting in restrooms and at common staircases where human traffic is minimum across our sport centres. This initiative will ensure that lights are activated only when needed, minimising unnecessary energy consumption and improving overall operational efficiency.

There are also plans at the Singapore Sports Hub to convert to LED lighting with integrated motion sensors as well as replace chillers and airside equipment with those of higher efficiency and better performance.

To reduce reliance on purchased electricity from the grid, solar panels were installed at Singapore Sports Hub. There are also further plans to expand the solar panel coverage to the roof of the OCBC Arena and the OCBC Aquatic Centre, tripling the current capacity.

Case Study: Solar Energy Generation @ Singapore Sports Hub

To reduce reliance on purchased electricity from the grid, solar panels were installed on the roof of Singapore Sports Hub, with an estimated energy yield of 884,000 kWh per year. In 2024, there are plans to expand solar panel coverage on its roof of the OCBC Arena and the OCBC Aquatic Centre, projecting an energy yield increase to approximately 2,957,000 kWh per year—tripling the current capacity.



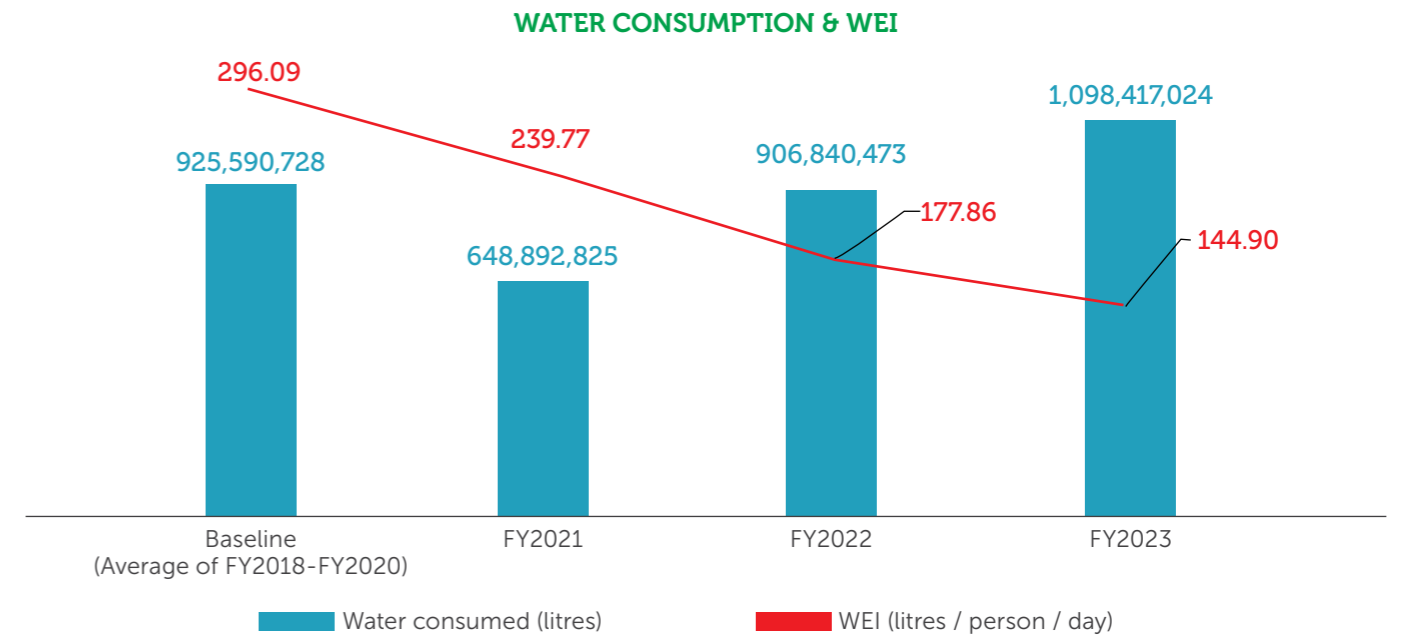
Water

Water conservation at sport centres is vital for advancing environmental sustainability and operational efficiency. High water demand in areas such as swimming pools, showers, and landscaping makes the adoption of water-saving measures essential to reducing environmental impact and long-term costs. Moreover, fostering water conservation within SportSG operations instils a sense of responsibility and mindfulness among athletes and visitors, reinforcing the importance of embedding sustainable practices into everyday operations.

Our Progress	Our Target
FY2023 Water Efficiency Index (WEI): 144.90 litres/person/day, a 51.1% decrease compared to the baseline (FY2018 – FY2020)	Reduce WEI by 10% from the baseline (FY2018 – FY2020) by FY2030

Our Performance

SportSG achieved a WEI of 144.90 litres/person/day, a 51.1% decrease compared to the baseline (FY2018 – FY2020). We have met the FY2030 GreenGov.SG targets and achieved our goal of reducing WEI by 10% from the baseline.



Ownership of Singapore Sports Hub was transferred to Sport Singapore from December 2022 onwards and corresponding consumption data added.

Key Initiatives & Future Plans

In FY2023, 84% of our sport centres achieved certification under Singapore’s PUB Water Efficient Building (WEB) (Basic) Certification Programme. We are actively collaborating with PUB to ensure that all the remaining sport centres are certified in the near future.

Despite achieving our FY2030 water target, we remain committed to exploring additional strategies to further reduce our water consumption. We are progressively upgrading our sport centres with

water-efficient fixtures, including water-saving faucets and high-efficiency water jets for cleaning. Additionally, to foster awareness and encourage responsible water use, we have placed water conservation posters in restrooms throughout our facilities, underscoring the importance of sustainable water practices.

At the Singapore Sports Hub, flow regulators will be installed for basin taps as well as the usage of high efficiency water jets for paver cleaning.

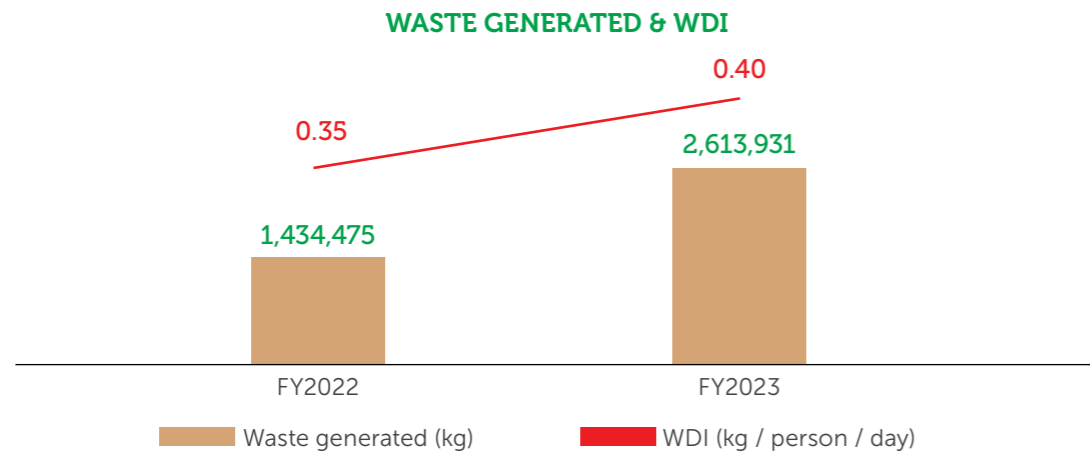
Waste

SportSG acknowledges that the high foot traffic and diverse activities at our sport centres result in substantial waste generation, including general waste, recyclables, and food waste. Implementing effective waste management practices is essential to minimising our environmental impact by reducing the amount of waste sent to landfills and enhancing recycling efforts.

Our Progress	Our Target
FY2023 Waste Disposal Index (WDI): 0.40 kg/person/day, a 14.2% increase compared to the baseline (FY2022)	Reduce WDI by 30% from the baseline (FY2022) by 2030

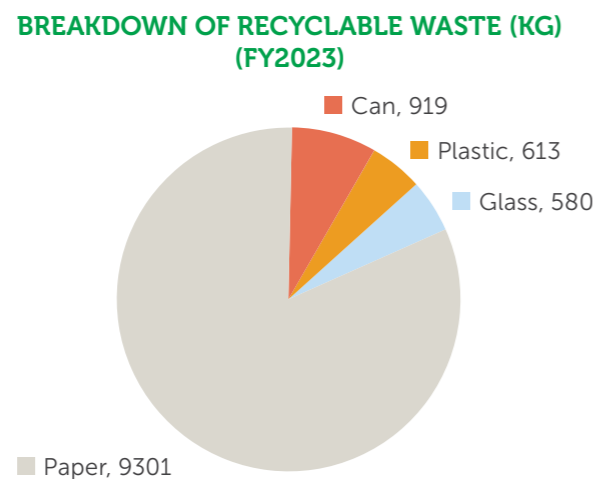
Our Performance

In FY2023, SportSG generated a total of 2,613,931kg of waste³, with a WDI of 0.40 kg/person/day. This reflects a 82.2% increase in total waste and a 14.2% increase in WDI compared to the FY2022 baseline.



Ownership of Singapore Sports Hub was transferred to Sport Singapore from December 2022 onwards and corresponding waste data added.

As part of our ongoing commitment to reducing incineration waste, we collected 11,413kg of recyclable waste at Singapore Sports Hub’s multi-stream recycling bins.



³ Waste data disclosed relates to SportSG’s facilities which are operational (open to the public).

Key Initiatives & Future Plans

In FY2023, we conducted a comprehensive waste audit at Sengkang Sport Centre to assess the total waste generated by analysing and categorising each waste stream. This evaluation aimed to enhance our waste management practices and identify opportunities to optimise material use efficiency. Key audit findings underscored the need to improve waste segregation rates and collaborate with tenants to explore alternative packaging solutions. Accordingly, we plan to engage tenants in effective waste segregation practices and implement a system to monitor the disposal of recyclable waste. Additionally, we intend to install one to two more blue recycling bins to further bolster recycling efforts.

To encourage recycling, each sport centre is equipped with blue recycling bins strategically located in accessible and visible areas for athletes and visitors. Currently, we monitor recycling efforts at three of our sport centres - Clementi Sport Centre, Delta Sport Centre, St. Wilfred Squash and Tennis Centre, as well as Singapore Sports Hub. We are committed to expanding our tracking systems to include all

other sport centres in the near future, ensuring comprehensive management and enhancement of our recycling initiatives.

With the National Environment Agency (“NEA”) tentatively scheduled to launch the Beverage Container Return Scheme (“BCRS”) on 1 April 2026, SportSG will collaborate closely with NEA to install reverse vending machines at our sport centres and Singapore Sports Hub, where feasible.

Beyond the measures to be implemented at the sport centres, SportSG will also continue to focus efforts to reduce, reuse and recycle and create awareness at various sport events to reduce the overall waste generated.

Singapore Sports Hub will continue to deploy recycling bins at strategic and high footfall locations for collection of paper, glass, plastic and can as well as look into other measures to reduce waste, like plans to segregate food waste and convert them to compost.



Case Study to Reduce: GetActive! Singapore 2023 – Pesta Sukan

GetActive! Singapore is a two-week-long series of sport festivals, community-driven initiatives, and competitive events, held in the lead-up to National Day. The programme aims to unite Singaporeans in celebration of National Day through the joy and spirit of sport, fostering a sense of national pride and community engagement.

Through the provision of water canisters and water coolers, SportSG managed to reduce waste by saving over 113,000 plastic bottles.

Case Study to Reuse: Doping control test kits

Glass bottles from doping control test kits were upcycled into appreciation plaques for members of Anti-Doping Singapore’s National Anti-Doping Agency Advisory Board who have served over 10 years. Approximately 20 test kits, each containing two bottles, were repurposed by melting down the glass to create five unique plaques.

Additionally, in support of regional sport development and anti-doping efforts, we donated 140 expired test kits to the Cambodia National Anti-Doping Organisation (“NADO”) to serve as training materials for Cambodia’s role as host of the 2023 SEA Games. In August 2023, we also donated 100 expired test kits to the Oceania Regional Anti-Doping Organization (“ORADO”) based in Fiji.

Case Study to Recycle: “Recycle N Save” Initiative

In support of the national objective to increase the recycling rate of beverage containers and reduce waste disposal, SportSG participated in the “Recycle N Save” initiative, a collaborative effort between F&N and NEA. This program aims to encourage Singaporeans to recycle used plastic drink bottles and aluminium cans through the deployment of 50 Smart Reverse Vending Machines across the island.

As part of this initiative, SportSG installed 10 Reverse Vending Machines at various sport centres, contributing to greater environmental awareness and recycling efforts within the community.

Case Study to Recycle: Recycling at Singapore Sports Hub

As part of our efforts to raise environmental awareness during the International Basketball Federation (“FIBA”) event, we introduced creatively designed recycling bins equipped with basketball hoops. This innovative approach not only encourages active participation in recycling but also engages visitors in a fun and interactive way, reinforcing the importance of sustainability through sport.



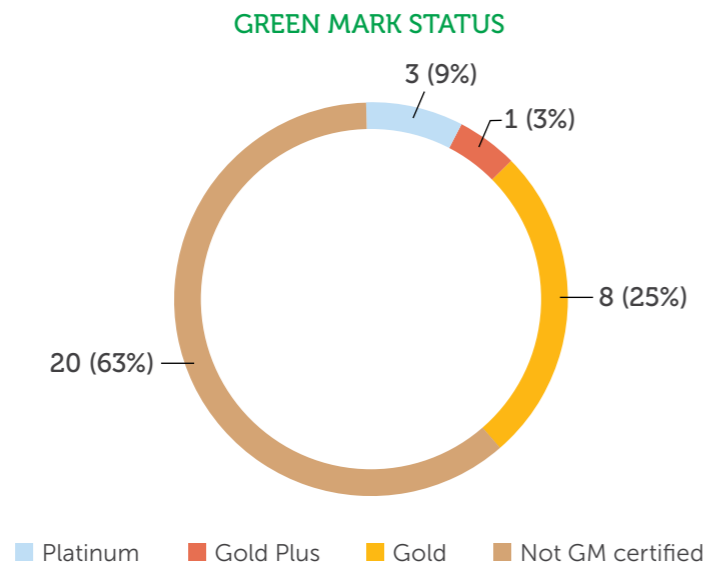
Green Buildings

Obtaining Singapore’s Green Mark Certification for our sport facilities is a key priority for SportSG, as it underscores our dedication to integrating environmental sustainability throughout the design, construction, and operational stages. This certification not only helps reduce energy and water consumption but also promotes the health and well-being of our athletes and visitors by ensuring enhanced ventilation and high indoor air quality.

Our Progress	Our Target
12 out of 32 existing sport centres are Green Mark Certified and the Singapore Sports Hub is Green Mark Gold Plus Certified	All new and existing sport centres (upon major retrofit) to achieve Green Mark Platinum Super Low Energy standard by 2040

Our Performance

As of FY2023, 12 of our sport centres have attained Green Mark certification, including three centres achieving the prestigious Green Mark Platinum status.

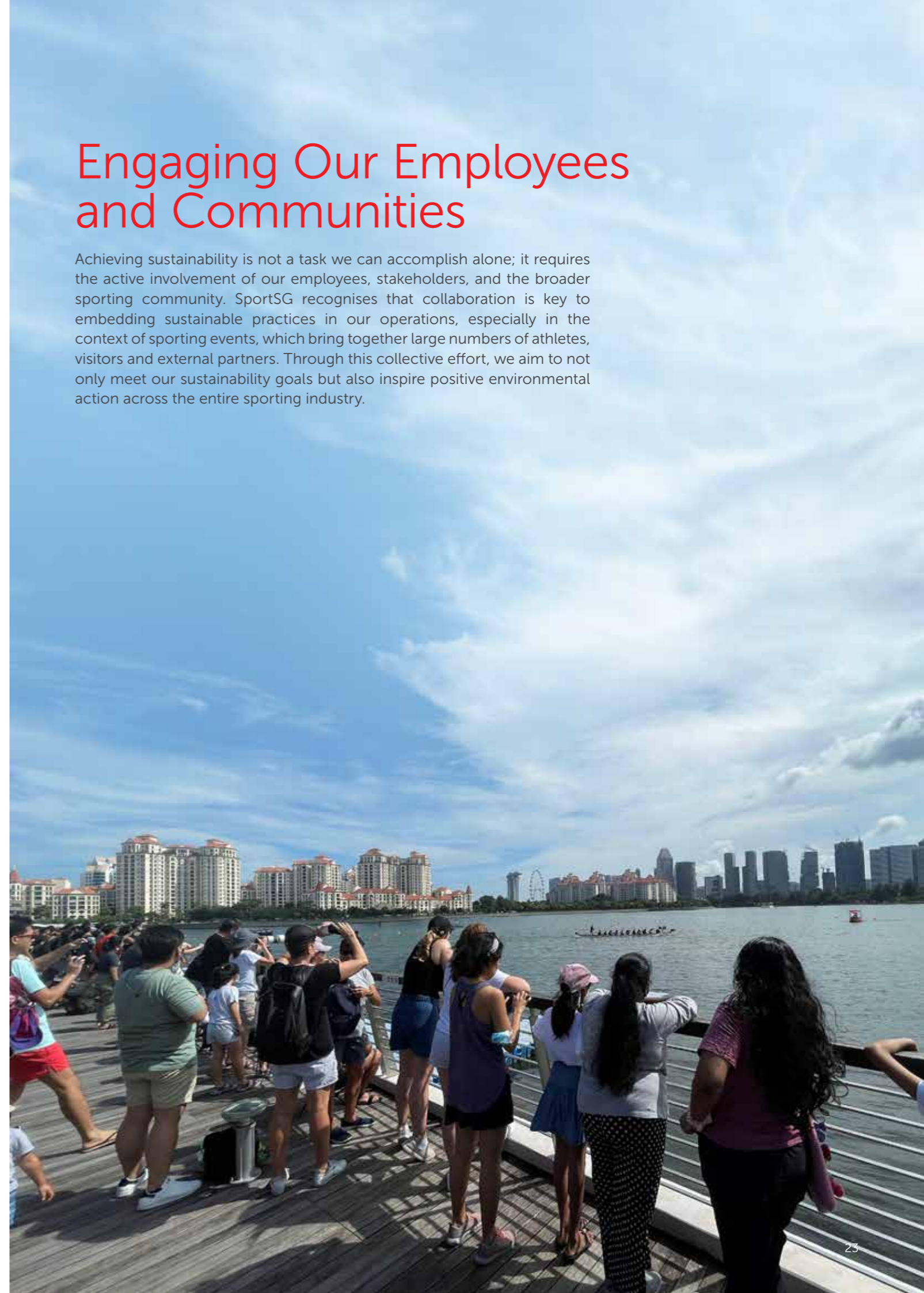


Key Initiatives & Future Plans

To meet our targets, we will ensure that all sport centres undergoing major renovation or redevelopment comply with the standards and criteria outlined in the Green Mark Certification Scheme. For sport centres with no planned renovations or redevelopment, SportSG will conduct an internal review, followed by engagement with external consultants to recommend actionable plans and operational or infrastructural changes that can facilitate these sport centres achieving the Green Mark certification in the coming years.

Engaging Our Employees and Communities

Achieving sustainability is not a task we can accomplish alone; it requires the active involvement of our employees, stakeholders, and the broader sporting community. SportSG recognises that collaboration is key to embedding sustainable practices in our operations, especially in the context of sporting events, which bring together large numbers of athletes, visitors and external partners. Through this collective effort, we aim to not only meet our sustainability goals but also inspire positive environmental action across the entire sporting industry.



Examples of how we engage our employees and communities include:

SportSG Green Events Guide (SGEG)

The SGEG serve as a comprehensive checklist for employees when planning sport events, offering clear and actionable sustainability guidelines across six key areas. These guidelines are designed to ensure that sustainability is integrated into every stage of event planning and execution, promoting environmentally responsible practices.

The six key areas covered by the SGEG include:

1. Venue selection
2. Waste management
3. Catering
4. Event materials and collaterals
5. Electricity and water usage
6. Related events contributing to action against climate change

For example, at GetActive! Singapore 2023 – Pesta Sukan, under the SG Challenge Green Category for Signature Events, participants may opt for Green category during registration for the Round Island Bike Adventure, Stadium Run, Vertical Challenge or SG Urban Walk. It meant that they accepted not to receive any medals, finisher tee or goodie bag. In return, SportSG will charge a flat fee of \$5 for registration (instead of \$10).



Community Engagement Events

We actively encourage our employees to engage in sustainability initiatives and community outreach activities, such as tree planting and active farming. Additionally, we involve volunteers from Team Nila, a national volunteerism movement that fosters a culture of giving, civic participation, and social cohesion through sport. By mobilising both employees and volunteers, we aim to strengthen our collective efforts in promoting environmental sustainability and community well-being.

Tree Planting

This year, in collaboration with various organisations, we planted a total of 37 trees across multiple locations, including Kallang Football Hub, Serangoon Sport Centre, Bishan Clubhouse, and Kallang Sport Centre. This initiative reflects our continued commitment to enhancing green spaces and promoting environmental sustainability within our sport facilities.



Active Farming

Started in 2019, with just a modest greenhouse, our volunteers and staff embarked on a journey to optimise our sport centre spaces with the aim of enhancing community bonding. The Active Farming initiative has expanded to eight locations, led by dedicated Team Nila volunteers. These urban spaces are utilised for growing, harvesting, and distributing edible plants to the local community.



“ One of my most memorable experiences as a volunteer was after we harvested edibles from our community garden. We visited a local care centre to cook healthy meals for the residents using the fresh produce we had grown. Seeing the residents’ smiles and hearing their gratitude reminded me of how much a simple, home-cooked meal can mean to someone. It was a powerful moment that reinforced why I love volunteering — knowing that our efforts have a real, positive impact on people’s lives. ”

Ramadevi Muddasani
 Volunteer at Team Nila (Active Farming Initiative) since 2022



Appendix

List of Sport Centres & Venues

The list of sport centres and venues included in the scope of SportSG's FY2023 environmental disclosures is as follows:

1	Active Health Labs @ Our Tampines Hub and Heartbeat@Bedok	20	Jalan Besar Sport Centre
2	ActiveSG Gym @ Enabling Village	21	Jurong East Sport Centre
3	ActiveSG Hockey Village @ Boon Lay	22	Jurong West Sport Centre
4	ActiveSG Park @ Jurong Lake Gardens	23	Kallang Basin Swimming Complex
5	ActiveSG Sport Village @ Jurong Town (former Jurong Stadium)	24	Kallang Sport Centre
6	Ang Mo Kio Swimming Complex	25	Katong Swimming Complex
7	Bedok Stadium	26	Pasir Ris Sport Centre
8	Bishan Sport Centre	27	Queenstown Sport Centre
9	Bukit Batok Swimming Complex	28	Sengkang Sport Centre
10	Bukit Canberra Sport Centre	29	Serangoon Sport Centre
11	Bukit Gombak Sport Centre	30	Singapore Sports Hub
12	Burghley Tennis & Squash Centre	31	St. Wilfred Sport Centre
13	Choa Chu Kang Sport Centre	32	Tampines Sport Centre
14	Clementi Sport Centre	33	The Float @ Marina Bay
15	Delta Sport Centre	34	Toa Payoh Sport Centre
16	Farrer Park Tennis & Squash Centre (Closed from 1 Oct 2022)	35	Woodlands Sport Centre
17	Geylang East Swimming Complex	36	Yan Kit Play Field
18	Heartbeat@Bedok ActiveSG Sport Centre	37	Yio Chu Kang Sport Centre
19	Hougang Sport Centre	38	Yishun Sport Centre

Technical Annex

Greenhouse Gas Emissions

ORGANISATION BOUNDARY

We adopt the operational boundary approach, with reference to the Greenhouse Gas Protocol. Operational control refers to periods when SportSG is the landlord or responsible for paying electricity and water bills at the sport centres, including during periods of maintenance or construction.

SCOPE 2 EMISSIONS FACTOR

The emission factor used to calculate SportSG's Scope 2 emissions references data from the Singapore Energy Market Authority.

Energy

SCOPE AND METHODOLOGY

Energy use includes electricity consumed from the grid, excluding solar energy generated and utilised on-site.

All reported energy data is based on electricity bills provided by SportSG's electricity service provider and covers all sport centres within the scope defined in SportSG's annual environmental sustainability disclosure.

CALCULATION OF ENERGY UTILISATION INDEX (EUI)

Calculation of Baseline EUI:

$$\sum \text{Total electricity consumed at sport centres between FY2018 and FY2020 (kWh)}$$

$$\sum \text{Total gross floor area of sport centres between FY2018 and FY2020 (m}^2\text{)}$$

Calculation of Annual EUI:

$$\text{Electricity consumed at sport centres during the financial year (kWh)}$$

$$\text{Gross floor area of sport centres during the financial year (m}^2\text{)}$$

Water

SCOPE AND METHODOLOGY

Water consumption includes potable water sourced from Singapore’s Public Utilities Board and non-potable NEWater, but excludes recycled water.

All reported water data is based on waste bills provided by SportSG’s water service provider and covers all sport centres within the scope defined in SportSG’s annual environmental sustainability disclosure.

CALCULATION OF WATER EFFICIENCY INDEX (WEI)

As it is assumed that their average water use is 25% that of premises’ occupants, a factor of 0.25 is also applied to the WEI calculation.

Calculation of Baseline WEI:

$$\sum \text{Total water consumed at sport centres between FY2018 and FY2020 (litres)}$$

$$\text{Average number of operational days of sport centres per year between FY2018 and FY2020} * \sum \left[\text{Average number of staff per day across sport centres} + 0.25 * \left(\text{Average number of visitors per day across sport centres} \right) \text{ between FY2018 and FY2020} \right]$$

Calculation of Annual WEI:

$$\text{Total water consumed at sport centres during the financial year (litres)}$$

$$\text{Average number of operational days of sport centres during the financial year} * \left[\text{Average number of staff per day across sport centres} + 0.25 * \left(\text{Average number of visitors per day across sport centres} \right) \text{ during the financial year} \right]$$

Waste

SCOPE AND METHODOLOGY

Waste disposed includes non-recycled waste only.

All reported waste data is based on waste bills provided by SportSG’s waste collector and covers all sport centres within the scope defined in SportSG’s annual environmental sustainability disclosure, excluding those under renovation or where SportSG operates as a tenant.

CALCULATION OF WASTE DISPOSAL INDEX (WDI)

As it is assumed that the waste disposed of by this group is 25% that of premises’ occupants, a factor of 0.25 is also applied to the WDI calculation.

Calculation of Baseline WDI:

$$\text{Total waste disposed in FY2022 (kg)}$$

$$\text{Average number of operational days of sport centres in FY2022} * \sum \left[\text{Average number of staff per day across sport centres} + 0.25 * \left(\text{Average number of visitors per day across sport centres} \right) \text{ in FY2022} \right]$$

Calculation of Annual WDI:

$$\text{Total waste disposed during the financial year (kg)}$$

$$\text{Average number of operational days of sport centres during the financial year} * \left[\text{Average number of staff per day across sport centres} + 0.25 * \left(\text{Average number of visitors per day across sport centres} \right) \text{ during the financial year} \right]$$



Sport
SINGAPORE