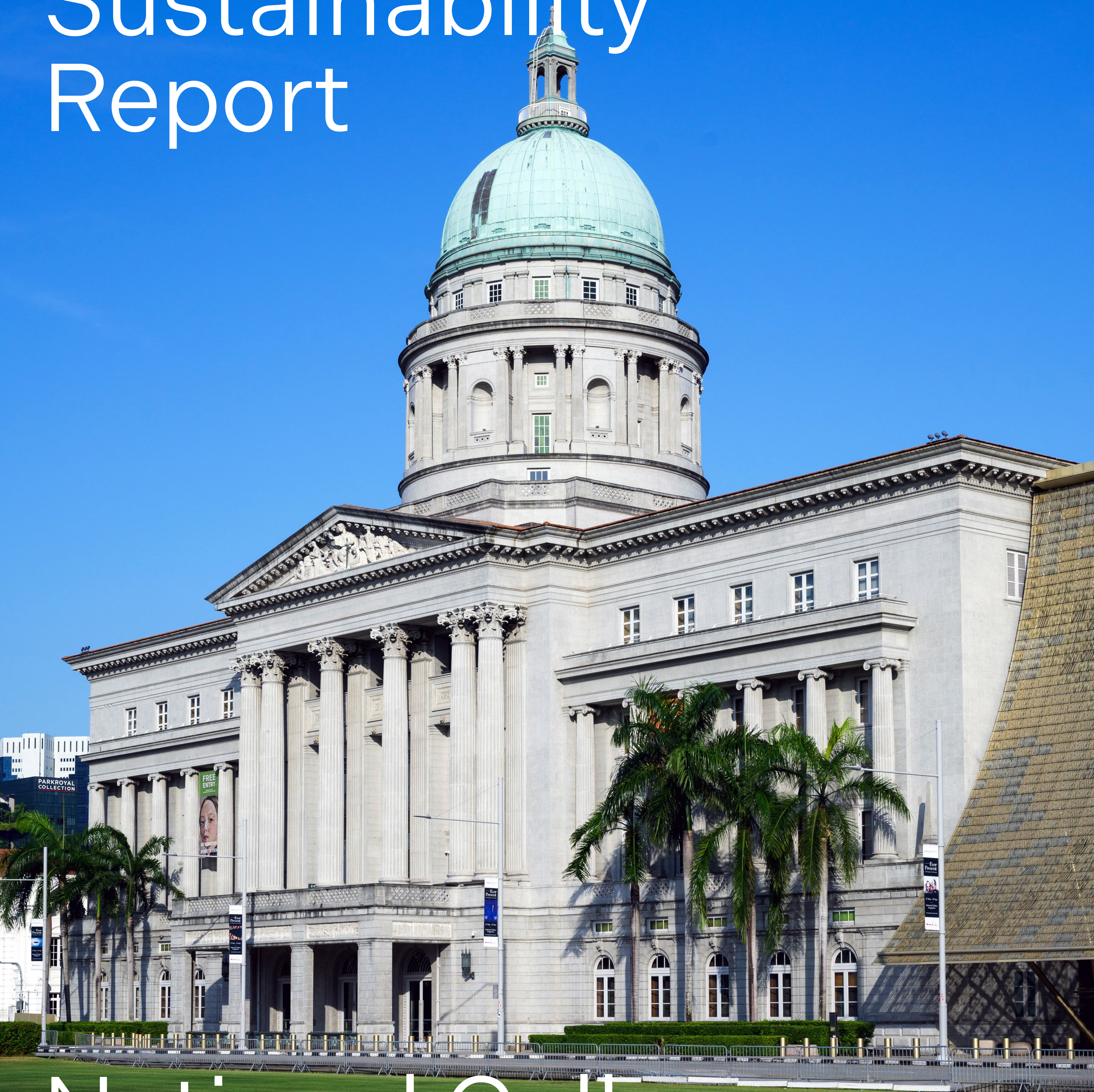


Environmental Sustainability Report

2022/2023



National Gallery Singapore



Contents

4	Message from Gallery CEO
6	Governance Structure on Environmental Sustainability
7	Charting Our Green Future: Goals and Foundation
8	Green Metrics
10	Recognition and Achievements for 2022/2023
12	Our Sustainability Endeavours
13	Reduction in Energy Consumption
13	Reduction in Water Consumption
13	Reduction in Waste Generated
13	Reduction in Overall GHG Emissions
14	Incorporating Sustainability into Core Business Areas and Procurement Practices
14	Building a Culture of Sustainability
15	Beyond Going Green
15	Social Sustainability
15	Financial Sustainability

Message from Gallery CEO

National Gallery Singapore is a leading visual arts institution that oversees the world's largest public collection of Singapore and Southeast Asian modern art. Situated at the birthplace of modern Singapore, in the heart of the Civic District, the Gallery is housed in two national monuments—City Hall and the former Supreme Court. Reflecting Singapore's unique heritage and geographical location, the Gallery aims to be a progressive museum that creates dialogues between the art of Singapore, Southeast Asia and the world to foster and inspire a creative and inclusive society. This is reflected in our collaborative research, education, long-term and special exhibitions, and innovative programming.

To support our goal of being a progressive museum, we are committed to sustainable practices centred on respecting our environment, generating positive social impact and building financial resilience. As a cultural institution, the Gallery can provide insight into and preserve our past, while also helping to educate future generations. To this end, the Gallery is dedicated to safeguarding the environment and is committed to achieving our sustainability goals.

While art lies at the heart of the Gallery's identity and mission, we cannot ignore the effects our business and operations have on the environment. Like most businesses, the energy and water consumption of our building contributes significantly to our carbon footprint, but the impact is greater for us due to certain requirements regarding the storage and display of artwork, including temperature and humidity control. The management of art materials, from procurement to dismantlement, are also environmental risks unique to the Gallery.

Yet, these challenges provide opportunities for the Gallery to lead by example. We hope to involve our staff, supporters, artists and the public to join the Gallery's pursuit of environmental sustainability. This could be a chance for us to spark deeper conversations and lead meaningful engagement that helps protect our environment.



Chong Siak Ching, Chief
Executive Officer



Governance Structure on Environmental Sustainability

The Gallery's Sustainability Committee is made up of staff members from all the different departments who work together to achieve effective integration of our sustainability policies. Helming this committee is the Head of Sustainability, who reports to the Director of Facilities Management & Operations and the Head of Sustainability for the Visual Arts Cluster.

Recommendations from the committee are discussed and brought to the Gallery's Management Committee for their input and approval. Matters that involve strategic decision-making are also brought before the Gallery's Board for their guidance and approval.

Charting Our Green Future: Goals and Foundation

The Gallery has conducted comprehensive energy and carbon assessments and has been recertified under Green Mark 2021 In Operation at the Gold Plus level. Our internal review has identified several building improvement opportunities aimed at reducing our Energy Use Intensity (EUI) by 30%.

In line with the recommendations by GreenGov.SG, the Gallery seeks to:

- minimally achieve a 10% reduction in Energy Use Intensity (EUI) by 2030 from the average of 2018–2020 levels. The Gallery's aspirational target is to reduce EUI by 30% to achieve Green Mark 2021 Super Low Energy (SLE) level.
- achieve a 10% reduction in our Water Efficiency Index (WEI) by 2030 from the average of 2018–2020 levels.
- achieve a 30% reduction in our Waste Disposal Index (WDI) by 2030 from our 2022 baseline.
- peak our carbon emissions, Scopes 1 and 2, by 2025.
- achieve net zero by 2045, in alignment with the Singapore government's target.

Green Metrics

Energy Consumption	Water Consumption			Waste Disposed*	Greenhouse Gas Emissions (GHG)
(kWh)	Potable Water (m ³)	NEWater (m ³)	Total (m ³)	(kg)	(kgCO ₂ e)**
FY2018					
9,688,826	3,727	58,814	62,540	346,812	N.A.
FY2019					
9,740,945	5,013	28,783	33,795	305,114	3,972,410
FY2020					
8,830,133	12,288	46,084	58,372	212,610	3,665,200
FY2021					
8,818,113	4,330	49,327	53,657	197,535	3,928,380
FY2022					
9,704,819	3,003	48,392	51,395	199,629	3,878,495

* Waste disposed excludes recyclables, and includes waste disposed by the Gallery's tenants.

** GHG emissions for FY2019-FY2021 were calculated by the Gallery's sustainability consultant, GreenA Consultants, and for FY2022, GHG emissions were calculated using the UN Global Compact Network Singapore's CERT for CY2022 for Scopes 1 & 2.



The painting highlights a depiction of an event in an African kingdom in Senegal during a period of social or celebration. The scene exhibits wealth with the display of two large jars (left) with the dragon design, highly significant in West African art. The jar also carries a sacred design motif, showing beautiful craftsmanship, but part of it covered by an older jar beneath it, symbolizing the past and the present. The figure in the center of the scene is wearing the traditional headpiece of the Senegalese. This figure is displayed side by side with another jar beneath it, showing a design of the warrior. (Byung In Lee)

Holding the bottle in type of drum, a woman with a very old traditional expression is adorned with beaded. She is a delicate woman, the woman of Senegal, with her hands, which are positioned with a fine bronze glass. (Byung In Lee)

The painter has intelligently captured an event in her magnificent work.

In African art, colors are bright and saturated in their hues.

Museum
Peace &
Quiet

Recognitions and Achievements for 2022/2023

- 1 Recertified BCA Green Mark 2021 In Operation (GM: 2021 In Operation) at Gold Plus level
- 2 Water Efficient Building (Basic) Certification
- 3 Eco Office Champion recertification
- 4 The Gallery has made the Green Nation Pledge
- 5 The Gallery is a signatory of the SDG Publishers Compact





Our Sustainability Endeavours

The Gallery is committed to sustainable environmental practices. Our efforts towards sustainability align with the objectives of the United Nations Sustainable Development Goals (UN SDGs), underscoring our commitment to a greener, more sustainable world.

Reduction in Energy Consumption



- Conducted an energy audit from 2021 to 2022.
- Identified sustainability initiatives aimed at further reducing energy consumption.
- Installed LED lighting with digital monitoring in galleries and public circulation areas, and smart lighting in office spaces.
- Partnered with Envision Digital for building management system optimisation.
- Conducted solar feasibility studies to explore adding more solar panels on the Gallery rooftop to generate more renewable energy.
- Maintain temperature of 25°C (±1°C) for common internal areas.

Reduction in Water Consumption



- Installed water faucets and dispensers with water-saving and energy-saving features in our toilet facilities.

Reduction in Waste Generated



- As of the middle of FY2023, the Gallery’s general waste and recyclables have been separated from those generated by the Gallery’s tenants.
- Single-use plasticware has been eliminated from all internal events.
- E-business cards are issued to staff instead of printed ones.

Reduction in Overall GHG Emissions



- Tracking and reporting the Gallery’s GHG emissions using UN Global Compact Network Singapore’s Carbon & Emissions Recording Tool (CERT), measuring Gallery’s Scopes 1 and 2 emissions, and part of Scope 3 emissions.
- Installed four EV charging stations at the level B3 car park to encourage the switch to electric vehicles.

Incorporating Sustainability into Core Business Areas and Procurement Practices



- Reusing and repurposing display infrastructure for our exhibitions.
- Using smaller vehicles to transport smaller loads, and consolidating shipments in order to decrease the number of times larger vehicles are used.
- Introduced guidelines for incorporating sustainability into the Gallery’s procurement practices.
- Reduced the use of paper by optimising print runs and publishing more digital books and adopting Print on Demand (POD) as an option.
- Use of Green Label products.
- Became a signatory of SGD Publisher Compact in December 2022, aligning content publishing goals with the UN Sustainable Development Goals (SDGs).
- Engaging FSC-certified printers to ensure responsible practices and to track carbon emissions.

Building a Culture of Sustainability



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- Digital sustainability newsletters and communications are sent to Gallery staff to spread awareness of sustainability best practices. These newsletters are also shared with the Gallery’s board members, Singapore Art Museum (SAM) and Singapore Tyler Print Institute (STPI).
 - The Gallery’s Sustainability Committee organises workshops and talks for our colleagues in the Gallery, SAM and STPI.
 - Gallery HR has organised sustainability training for staff.
 - New hires who join the Gallery are briefed on our sustainability policies as part of their induction.
 - The Gallery encourages staff to go car-free on the first Friday of each month.

Beyond Going Green

Social Sustainability



- The Gallery’s Diversity & Inclusion Committee works to reflect the diversity of communities of which the Gallery staff are a part, and to identify and remove biases and inequalities at the personal and structural levels by encouraging a culture of open dialogue and learning.
- The Gallery’s welfare committee, TETRIS, promotes the physical, mental and social well-being of staff by organising recreational activities so that staff can unwind and recharge.
- The Gallery’s HR department is reviewing hiring collaterals to align with diversity and inclusion best practices.
- Staff are provided with insurance coverage, annual basic health screening and mental health support through external counselling service providers.
- Hybrid work arrangement and family-friendly work culture.
- Staff engagement surveys are conducted annually.
- Art challenges conventions and equips us with new perspectives that help us adapt to an increasingly complex world. The Gallery welcomes visitors of all ages, abilities and backgrounds to discover the value of art at the Gallery.
- The Gallery is committed to diversity and inclusion in our exhibitions, programming and publications.
- The Gallery raises awareness of and promotes wellness through programming, such as our Slow Art programme.
- Our publications are made available on digital libraries platforms to provide discoverability and equal opportunities to local communities to utilise them.
- The Gallery facilitates innovation through our innovation partnerships and innovation hub, Y-Lab.
- Visitor satisfaction surveys are conducted annually.

Financial Sustainability



- The Gallery’s fund managers are ESG-compliant. The active fund managers appointed by the Gallery have incorporated ESG considerations in their investment process in their stock selection.

