

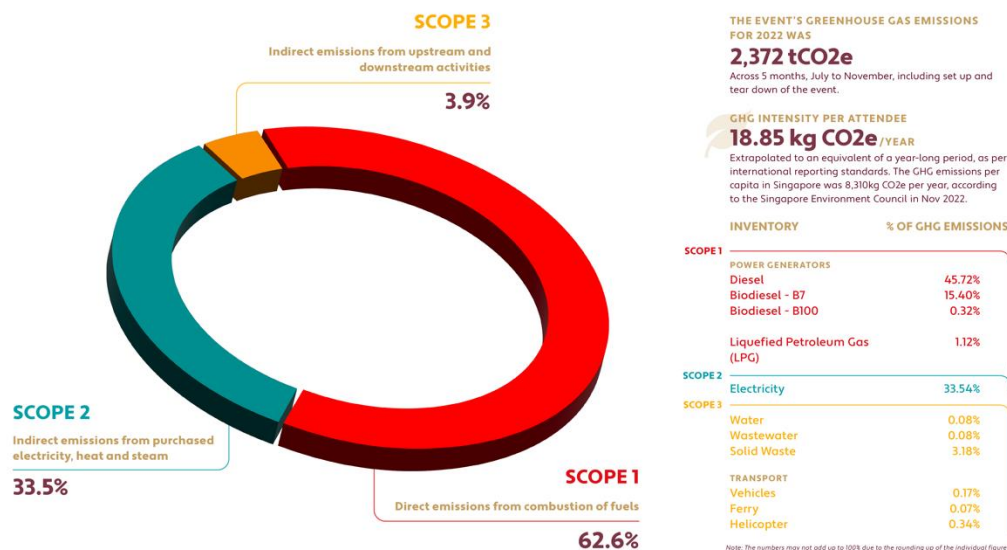
FACTSHEET

SUSTAINABILITY INITIATIVES AT THE FORMULA 1 SINGAPORE AIRLINES SINGAPORE GRAND PRIX 2023

Singapore GP Pte Ltd (SGP), race organiser of the Formula 1 Singapore Grand Prix, aims to halve its carbon emissions by 2028 by focusing on energy reduction, increasing the use of renewable energy sources, and utilising Renewable Energy Certificates (RECs)¹ for unavoidable emissions.

This follows SGP’s first carbon footprinting report, which found that total emissions in the Circuit Park amounted to 2,372 tCO₂e² in 2022. Energy use made up the vast majority of emissions at 96.1%, while the remaining 3.9% resulted from transport, waste and water.

SGP'S GHG EMISSIONS FOR 2022:



While energy management will become the cornerstone of SGP’s drive to sustainability, other measures to minimise the event’s environmental footprint will continue to be implemented at this year’s race.

¹Renewable Energy Certificate is a type of Energy Attribute Certificate that represents the environmental attributes of the generation of a one-megawatt hour of energy produced by renewable sources. RECs can originate from wind, solar, biomass, hydropower, biogas, geothermal, and landfill gas projects.

² From the sources of emissions within the Circuit Park’s patron experience zones: Zone 1 through to Zone 4 in the Circuit Park, and areas that are directly under SGP’s purview and control. This excludes all freight, logistics and travel by Formula 1 and teams.

SUSTAINABILITY INITIATIVES

REDUCING CARBON EMISSIONS	
Generator power	<p>In 2023, we plan to use a mixture of B100 biodiesel (which was trialed last year), and a trial of hydrotreated vegetable oil (HVO) R100 and R20.</p> <p>This trial will be conducted in a select number of generators, with the view of implementing it in half of all generators by 2025, and 100% in 2028. Ultimately, the aim is to halve our emissions from energy in 2028, through the use of greener and cleaner fuels.</p>
Solar panels	<p>1,396 solar panels have been installed at the Formula 1 Pit Building by the Singapore Tourism Board earlier this year which is expected to generate 803,155 kWh in a year. Energy generated will be sufficient to power the building during the race month.</p>
Renewable Energy Certificates (RECs)	<p>RECs will be utilised to offset unavoidable emissions from the grid electricity. In 2022, RECs covered 85% of the grid electricity consumption.</p>
LED track lighting	<p>100% of the track lights will be replaced with energy-efficient LED lights, reducing electricity use by at least 30% than the previous metal-halide bulbs.</p>
TOWARDS A CIRCULAR ECONOMY	
Reducing water wastage	<p>120 water-efficient cubicles in 12 specially custom-made solar-powered containers will be introduced in the Circuit Park in 2023. This is estimated to save 129,600 litres of water over the three-day race weekend.</p>
Used cooking oil recycled into biodiesel	<p>SGP has adopted the practice of collecting used cooking oil for recycling since 2011 to be converted into B100 biodiesel. In 2022, this achieved at least 4,000kg in CO₂e reduction.</p> <p>Used cooking oil collected and recycled from last year's event will be converted to B100 which will be used in the Circuit Park alongside HVO R100 and R20 in 2023.</p>
Sustainably sourced tableware and more sustainable food offerings	<p>SGP has and will continue to increase the use of sustainably sourced tableware. In 2022, SGP worked with TRIA, an innovative foodware solutions provider, to supply bio-based tableware that does not require separation between foodware and food waste before composting. All these initiatives will continue in this year's edition.</p> <p>More options for more sustainable and healthier food will be made available throughout the Marina Bay Street Circuit.</p>
Reducing single use plastic	<p>In 2022, SGP ceased the sale of still water in single-use plastic bottles and increased the number of water stations in the Circuit Park for patrons to refill their own reusable bottles. This initiative avoided an estimated 160,000 single-use plastic bottles.</p> <p>SGP will continue to implement this in races to come and increase the number of water refill stations to make the experience more seamless for patrons.</p>
Green premises	<p>Where possible, SGP has strived to reuse construction materials and infrastructure over the years, and will continue working with vendors and contractors to ensure the practice is continued.</p> <p>SGP has also been replacing worn-out fence wraps with environmentally friendly materials. This will continue with the aim to replace all fence wraps by 2025.</p>

CREATING POSITIVE IMPACT ON THE COMMUNITY	
Engaging local communities	<p>SGP has been creating volunteering, employment, and educational opportunities to engage the local community through campaigns and activities such as school talks, free race screenings, and the annual Thursday Pit Lane Experience.</p> <p>In 2022, 4,000 members of the public got a chance to get up close and personal with the F1 team garages and cars a day before the Circuit Park opens to ticket holders.</p>
Providing training and work experience	<p>SGP has been partnering with the Institute of Technical Education since 2009, to provide training and real work experience for students. Each year, about 900 students will be engaged in this programme.</p> <p>In addition, more than 800 Singapore-based companies are engaged for Formula 1 Singapore Grand Prix in 2022, with some 30,000 staff, contractors and stakeholders accredited to work at the event annually.</p>
Building a diverse and inclusive community	<p>Females make up 54% in SGP, and there is a fair representation of race in our workforce. In 2022, 27% of the race officials were women, up from 25% in 2019 – the highest number of female race officials in the F1 calendar.</p>