

SPEARHEADING ENVIRONMENTAL STEWARDSHIP AND ENABLING THE TRANSITION TOWARDS SUSTAINABILITY



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RESOURCE STEWARDSHIP

POPULATION GROWTH AND OVERCONSUMPTION OF RESOURCES REMAIN KEY GLOBAL ISSUES. VICOM RECOGNISES THE IMPORTANCE OF SUSTAINABLE PLANNING AND RESPONSIBLE MANAGEMENT IN OUR USE OF RESOURCES TO ENSURE ITS LONGEVITY FOR FUTURE GENERATIONS. THROUGH THE APPROPRIATE ALLOCATION AND JUDICIOUS USE OF RESOURCES, WE HOPE TO REDUCE OUR CONSUMPTION AND PLAY OUR PART IN RESOURCE SUSTENANCE.

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Our efforts in resource management focus on reducing our emissions and impacts to air quality. We also focus on managing our water consumption and waste generation. At VICOM, we are planning to attain the ISO 14001:2015, Environmental Management System. As a result of this certification, we will be able to comply with regulations, and manage our environmental responsibilities in a methodical manner. To enable enterprise transition towards sustainability, VICOM also perform testing on their materials and products for environmental friendliness.

In September 2021, VICOM relocated our non-vehicle testing operations into a new facility at Bukit Batok. Our new building is Green Mark Certified by the Building and Construction Authority (BCA) of Singapore. Additionally, we are proud to achieve the Eco Office ("Professional" Category), as certified by the Singapore Environment Council (SEC). The certification guides offices in the implementation of environmentally conscious practices.



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WIDE RANGE OF TESTING FOR MATERIALS AND PRODUCTS FOR ENVIRONMENTAL FRIENDLINESS



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EMISSIONS & AIR QUALITY

WHY IS IT MATERIAL?

Emissions contribute to Greenhouse Gases ("GHGs") and also affects the quality of air that we breathe. As such, VICOM inspects vehicles in Singapore to ensure that they are within emission limits and are worthy of operating on the roads. In addition, we also provide air quality testing services to help our customers manage their emission.

HOW DO WE MANAGE THIS?

As a testament to our commitment towards energy conservation, VICOM 's Energy Management Systems have been ISO 50001 certified since FY 2015, ultimately guiding our operational



VICOM's Energy Management System is 3rd party attested.

processes in the management of GHG Emissions. This management system assists VICOM in regulating its use of resources, including electricity and fuel. This reduces our emissions and limits the adverse impacts to the environment and society.

Our parent organisation, ComfortDelGro Group, has committed to the Science Based Targets Initiative (SBTi) of 1.5°C trajectory. This emission reduction trajectory aligns with the Paris Agreement goals to

limit global warming to 1.5°C above pre-industrial levels. VICOM will actively play our part in contributing to the emissions reduction targets through optimising our operations and introducing emission reduction technologies for our fuel and electricity usage.

OUR PERFORMANCE

VICOM has determined its Scope 1 emissions, primarily attributed to the use of fuel and diesel across our fleet, and Scope 2 emissions, resulting from the consumption of electricity across our operations. In FY 2021, we experienced a 5% and 42% increase in our Scope 1 and Scope 2 emissions, respectively, when compared to our baseline year in FY 2019. These increments are explained in the Energy section of this report.

EMISSIONS	FY 2019	FY 2020	FY 2021
Direct (Scope 1) GHG Emissions¹	360.6	298.9	379.3
Indirect (Scope 2) GHG Emissions²	3,462	3,167	4,930

LOOKING FORWARD

VICOM is dedicated to reducing its operational emissions in line with SBTi commitments.

Due to the transition to a new operational facility, we are planning to collect relevant data to understand our complete GHG inventory prior to establishing our potential emissions and air quality reduction targets. These targets will be reported in future sustainability reports once they are established.

1 The fuel use emissions factor used to calculate the Scope 1 emissions was derived from Diesel and Petrol emissions factors from DEFRA for 2019, 2020 and 2021 respectively.
2 The electricity emission factor used to calculate the Scope 2 emissions was Singapore's BM emission factor in 2019, 2020 and 2021 respectively.

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Our emissions testing lab ensures all vehicles remain compliant with the Emissions Standards established by the Singapore's National Environment Agency ("NEA"). Under their Vehicular Emissions Scheme ("VES"), pollutant emissions from existing and new vehicle models are to stay within stipulated limits. New vehicles are tested for emissions to ensure adherence to relevant national regulations. These emissions tests are conducted in compliance with the relevant international protocols, such as New European Driving Cycle ("NEDC") and JPN2009. In addition to testing vehicle emissions, we also assess pollutants that affect air quality including Particulate Matter (PM), Nitrogen Oxides (NOx) and Sulphur Oxides (SOx) as they possess adverse impacts to both human health and the ozone layer.



New/Imported Used Vehicle Emission Testing

Besides emissions testing for new vehicles, in-use vehicles are also subjected to periodic inspection to ensure compliance with regulatory requirements.



In-use vehicle emission testing.

In addition, VICOM also performs testing and monitoring of stack emissions from factories for compliance to regulatory requirements and hence ensuring public health.



Surveying the air to monitor that the industrial activities remains friendly to our environment.

VEHICLE EMISSION TESTING	FY 2019	FY 2020	FY 2021
Number of In-Use Vehicle Emission Tests Conducted	462,718	493,520	523,639
Number of New/Imported Used Vehicle Emission Tests Conducted	608	501	704

VICOM remains abreast and compliant with all regulatory and established emissions limits as they are subject to continuous changes through international developments and industry advancements. We continue to engage with NEA to monitor and report on both our emissions and air quality values. Through our sustainable transition toward inculcating climate-friendly solutions across our operations, we aim to spearhead the monitoring and measurement of vehicular emissions and pollutants emitted, to provide the authorities with data and insights to better formulate relevant national policies on emissions and air quality.

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ENERGY

WHY IS IT MATERIAL?

Energy management is paramount to reducing inefficiencies across our operations and resource consumption, and results in key environmental impacts. VICOM strives to reduce its energy consumption through the identification and implementation of energy efficient and conservation measures.

HOW DO WE MANAGE THIS?

At VICOM, we aim to reduce our internal energy consumption through the consistent monitoring of our consumption patterns, energy-efficient installations, and implementation of energy-curbing initiatives. Primarily, we employ the use of LED lights across our sites as means of optimising our energy use. LED

lights are comparatively more energy efficient than other forms of lighting, thereby, resulting in reduced energy usage and overall costs. Beyond our lighting, we optimise our air-conditioning to time-controlled systems that are operational solely during testing hours.

As part of our energy management system, we have installed sensors across each level of our operational sites to ascertain energy consumption thereby, delineating high energy consumers within the business. Moreover, we have installed motion sensors in our washrooms and stairwells to curb our electricity consumption. Subsequently, we employ a targeted approach to reduce these consumption levels.

OUR PERFORMANCE

In FY 2021, we experienced a 540% and 43% increase in our Petrol and Electricity consumption, respectively, when compared to our baseline year in FY 2019. The change in fuel use is attributed to the transition away from diesel consumption at the end of 2019, towards petrol consumption. This is demonstrated by the 4% reduction in our Diesel consumption in FY 2021.

The overall decline in the 2020 figures is due to our reduced operations as a result of COVID-19 pandemic. The resulting increase in 2021 is similarly due to the resumption of operations, as we navigate the "New Normal".

In addition to the resumption of operations in the "New Normal", the increase in 2021 data is also attributed to the relocation of our premises to a bigger building.

ENERGY CONSUMPTION	FY 2019	FY 2020	FY 2021
Petrol Consumption (Litres)	1,448	6,471	9,272
Diesel Consumption (Litres)	125,727	95,600	120,391
Electricity Consumption (kWh)	8,475,516	7,762,414	12,084,290
Renewable Electricity Purchased (kWh)	N/A	N/A	N/A
Renewable Electricity Generated (kWh)	N/A	N/A	N/A

ENERGY INTENSITY	FY 2019	FY 2020	FY 2021
Total Electricity Intensity (kWh/\$M Revenue)³	81.7	89.8	119.8
Total Fuel Intensity (Litres/\$M Revenue)⁴	1.23	1.18	1.29

LOOKING FORWARD

We plan to install solar panels on the rooftops of our facilities to offset the energy consumed within our business. We will commence the installation of solar panels at one of our premises in FY 2022. We are currently conducting investigations to implement a heat recovery system at one of our building premises, ultimately aimed at curbing our electricity consumption.

³ Includes electricity purchased, renewable electricity purchased, and renewable electricity generated.

⁴ Includes all fuel types used.

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WASTE

WHY IS IT MATERIAL?

Waste is a growing and ubiquitous concern for governments and organisations to confront as it results in numerous environmental complications, including pollution, scarcity, and wasteful use of resources. If uncontrolled, waste will inadvertently impact our ecosystems, communities, and the future generations. As global populations rise, VICOM is cognisant of its regulatory compliance and operational management to limit wasteful use of resources.

HOW DO WE MANAGE THIS?

VICOM monitors and reports on its waste generated, and disposal methods. Through this process, we are able to accurately denote areas where waste is generated and subsequently implement initiatives for reduction.

As our business relies on chemicals for testing, we ensure proper disposal of all chemical waste generated through the use of NEA licensed waste contractors. Additionally, we utilise a specialised contractor to dispose of all electronic waste, including old screen monitors, bi-annually. We liaise with our established vendors to collect our waste generated and subsequently provide us with the relevant breakdown of our waste. These breakdowns provide us with insights into areas of our operations that generate comparatively larger amounts of waste, further enhancing our waste curbing strategies.

We continue to track and limit our non-hazardous waste generated, through the implementation of digitisation across all our operational scopes. This shift has directly resulted in paper reduction as we advocate for decreased printing and paper usage through digital means.

OUR PERFORMANCE

In FY 2021, we recycled 8,460 kg of paper waste, and 2,340 kg of e-waste.

Our hazardous waste generated is directly proportional to our operational volume, which was affected by the pandemic. This is demonstrated by the dip in our hazardous waste in 2020 and the subsequent increase from 2020 to 2021.

Our e-waste was high in 2020, due primarily to a roll-out of computer system replacements, in preparation of our relocation to our new premises. All e-waste is recycled by a specialised contractor.

WASTE GENERATED (METRIC TONNES)	FY 2019	FY 2020	FY 2021
Hazardous Waste	17.7	8.59	9.64
Non-Hazardous Waste	N/A ⁵	4.02	8.70
E-Waste	N/A ⁶	7.80	2.34
Total Waste	17.7	20.4	20.7

⁵ We had not commenced reporting our non-hazardous waste in FY 2019.

⁶ We had not commenced reporting our e-waste in FY 2019.

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WASTE DIRECTED TO DISPOSAL (METRIC TONS)	FY 2019	FY 2020	FY 2021
HAZARDOUS WASTE			
Landfill	0	0	0
Compost, Deep-well Injection, Recovery, On-site Storage	17.7	8.59	9.64
Total	17.7	8.59	9.64
NON-HAZARDOUS WASTE			
Landfill	0	2.03	0.00
Incineration	0	1.99	0.24
Recycled	0	0.00	8.46
Total	0	4.02	8.70
E-WASTE			
Recycled	0	7.80	2.34
Total	0	7.80	2.34

LOOKING FORWARD

To act on our responsible resource use commitments, we aim to install a recycling compactor machine at our operational site to recycle cardboard and paper by-products in FY 2022. Additionally, we are planning to partner with a construction company that will recycle the post concrete test specimens for construction purposes.



Post concrete test specimens to be recycled.

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WATER

WHY IS IT MATERIAL?

Water is a scarce natural resource that is in dire need of global resource management. As access to sanitary and clean water poses a prevailing issue, water management and responsible consumption are paramount in negating climate change impacts driven by water shortages. As VICOM specialises in water testing as one of its service offered, ensuring the proper and efficient management of water is pertinent in reducing wasteful water consumption, internally and for our customers.

OUR PERFORMANCE

We experienced a 7.4% increase in our overall water consumption in comparison to our baseline in FY 2019. This is attributed primarily to relocation to our new and larger premises.

HOW DO WE MANAGE THIS?

At VICOM, we manage our water consumption patterns and reduce its intensity through the regulation of water flow via the installation of water-saving fittings. We also devise water recycling mechanisms in the test laboratory, whenever feasible, to incorporate sustainability in our testing processes. We remain diligent in tracking our water consumption, across all our facilities and premises.



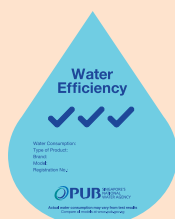
Recycling of water for sanitary ware testing under Water Efficiency Labelling Scheme (WELS).

TOTAL WATER WITHDRAWN BY SOURCE (LITRES)	FY 2019	FY 2020	FY 2021
Utilities (Municipal)	36,813,000	34,852,400	39,538,200

WATER INTENSITY	FY 2019	FY 2020	FY 2021
Total Water Intensity (Litres/\$M Revenue)	354.9	403.1	391.9

LOOKING FORWARD

VICOM commits to implementing water reduction initiatives whenever possible. Due to the relocation to our new building, we will determine our water targets in future reporting.



HOW WE ENABLE BROADER SUSTAINABILITY

As part of the national programme to reduce water wastage, VICOM performs tests to grade and classify the amount of water used by various products such as taps, mixers and sanitaryware under the Water Efficiency Labelling Scheme ("WELS"). Hence, we enable the general public to contribute towards a sustainable future as they possess the ability to discern water-efficient products for purchase.