



# **FY21 Third-Party Verified Environmental Data Disclosures**

- **Carbon**
- **Energy**
- **Waste**
- **Forest**
- **Water & Wastewater**

## Environmental Data Disclosure:

At Fisher & Paykel Healthcare Corporation Limited (FPH), we are committed to measuring and managing our carbon footprint and environmental impacts. The tables in this document provide third-party verified data for FY21: GHG emissions data verified by Toitū Envirocare, and energy, waste, forest commodities, water and wastewater data verified by SGS NZ.

## Carbon

The FPH carbon footprint is the organization's largest environmental impact. We have prioritized decoupling carbon from our business growth. Our focus on reducing carbon emissions includes energy efficiency, onsite renewable energy generation, ongoing use and investigation of sustainable and low carbon products and materials, supplier engagement, sea freight optimization, and waste reduction through innovations to divert waste from landfill.

We are committed to reducing our carbon footprint in line with the 2015 Paris Agreement 1.5°C Science-based reduction pathway, and our Science Based Targets have been formally approved: "Fisher & Paykel Healthcare Corporation Limited commits to reduce absolute scope 1 and 2 GHG emissions 67% by FY2034 from a FY2019 base year. Fisher & Paykel Healthcare Corporation Limited also commits that 87% of suppliers and customers by spend covering purchased goods and services and the use of sold products will have science-based targets by FY2024".

During FY21, we met the requirements of Toitū Carbonreduce certification having measured our greenhouse gas (GHG) emissions in accordance with ISO 14064-1:2018 and committed to managing and reducing our operational GHG emissions. The largest contributor by scope to FPH's FY21 carbon footprint is Scope 3 emissions that accounted for 97.8% of the total emissions while Scope 1&2 combined

accounted for 2.1%. Indirect emissions associated with electricity use during the use phase over the entire use life of our electrical medical devices is our top emission source that contributed 462,772.78 tCO<sub>2</sub>e (63%) of the total emission sources. The second largest emission source is the indirect emissions from products used by the organization which contributed 165,455.51 tCO<sub>2</sub>e (22.5%), followed by long haul international air freight that contributed 80,136 tCO<sub>2</sub>e (11%).

FPH has been Carbonreduce (formerly CEMARS) certified for 9 years and discloses its carbon footprint to investors and customers as part of CDP, Dow Jones Sustainability Index, EcoVadis and several other disclosure processes.

Below is a summary of FPH's FY21 GHG emissions, third-party verified by Toitū Envirocare:

Emissions Summary by Scope		Units
Category 1 (Scope 1)	1,465.42	tCO <sub>2</sub> e
Category 2 (Scope 2)	13,998.46	tCO <sub>2</sub> e
Category 3,4,5 (Scope 3)	718,991.04	tCO <sub>2</sub> e
Total Gross Inventory	734,454.92	tCO <sub>2</sub> e
Renewable Energy Certificate (Purchased Emission reduction)	2,948.86	tCO <sub>2</sub> e
Total net inventory	731,506.06	tCO <sub>2</sub> e
Emission intensity(gross)	365.75	tCO <sub>2</sub> e/\$M(NZD)

## Energy

FPH's most energy-intensive operations are the Mexico and New Zealand manufacturing units which combined account for 93% of total energy use. For FY21, Mexico electricity contributed to 72% of the emissions associated with electricity use while New Zealand accounted for 21%. Our focus is on operational energy efficiency and onsite renewable energy generation.

We generate solar energy in NZ business unit, and the NZ electricity is associated with zero emissions, with the purchase of Renewable Energy Certificates (RECs) from Meridian. Currently FPH is exploring solar generation in our Mexico operations.

Below is FPH's FY21 energy consumption data, third-party verified by SGS:

FPH Business Unit	Energy consumption (kWh)	Renewable generation on-site (kWh)
Australia	256958.58	
Brazil	7308	
Canada	97923	
China	100299.41	
Colombia	167	
France/Benelux/Italy/Spain/Portugal	149075	
Germany/Switzerland/Austria/Poland	3002	
Hong Kong	17716	
India	57601	
Indonesia	3238.89	
Japan	204905	
Korea	21271	
Mexico	21054053	
Mexico Sales Office	16194.46	
New Zealand	29126723.39	108874.99
Russia	8869	
Saudi Arabia	3238.89	
Sri Lanka	3238.89	
Sweden/Denmark/Norway/Finland	27530.58	
Taiwan	83606	
Turkey	32033.48	
UAE	3238.89	
UK & Ireland	66864.3	
USA	872983.6	
<b>Totals</b>	<b>52,218,039.36</b>	<b>108,874.99</b>

## Waste

In addition to reducing our carbon footprint, FPH protects our environment by minimizing our waste and using resources efficiently. We manufacture highly engineered healthcare products and managing the healthcare waste from our used products is still a challenge due to the different regulations in the different countries we sell to and the infectious and hazardous nature of healthcare waste.

Despite the challenges, there are immense opportunities in this space and during FY21 we were running 3 trials for recycling FPH products.

We run waste minimization programs on our manufacturing sites in New Zealand and Mexico, where we have multiple waste streams. We have a recycling team at both sites that separates the waste at source, and we recycle all possible waste streams. We have a target of recycling 75% of our waste and during FY21 we achieved a 62% recycling efficiency at the NZ site. To further improve our recycling, we have commissioned a recycling robot “Fern” that is able to disassemble 1000 chambers within six hours. With this automated recycling, we aim to improve our recycling efficiency and divert more tonnes of waste from landfill.



To divert waste that we are unable to recycle from landfill, we have partnered with local and global recyclers that manage our organic waste, nitrile gloves and hair nets from the production teams, and our e-waste. We also continue seeking more partnerships that can

help us minimize our waste.

Below is FPH’s FY21 global waste data, third-party verified by SGS:

FPH Business Unit	Waste, diverted from landfill (tonnes)	Landfill Waste (tonnes)
Australia		205.33
Brazil		30.33
Canada	14.4	18.00
China		179.66
Colombia		11.67
France/Benelux/Italy/Spain/Portugal		61.60
Germany/Switzerland/Austria/Poland	106.82	13.20
Hong Kong		23.33
India		205.33
Indonesia		4.67
Japan		163.33
Korea		46.66
Mexico	395.42	321.43
Mexico Sales Office		23.33
New Zealand	1112.88	797.42
Russia		39.67
Saudi Arabia		4.67
Sri Lanka		4.67
Sweden/Denmark/Norway/Finland		39.67
Taiwan		42.00
Turkey		35.00
UAE		4.67
UK & Ireland		179.66
USA		1,598.80
<b>Totals</b>	<b>1629.52</b>	<b>4054.1</b>

## Forest commodities

Increasing global demand for forest commodities is the primary driver of deforestation, forest degradation and ecosystem conversion which contribute to greenhouse gas emissions. Stopping deforestation and the conversion of other natural ecosystems is vital to significantly reduce greenhouse gas emissions and the loss of natural capital. FPH is committed to understanding businesses risks associated with using commodities associated with deforestation in both direct operations and supply chains. Our focus in this area is engaging with suppliers to ensure that we procure commodities originating from sustainable sources.

Below is FPH's FY21 global forest commodities data, third-party verified by SGS:

Business Units	Forest Product type				
	Beef (tonnes)	Wood Pallets (tonnes)	Paper towel (tonnes)	Corrugated Cartons (tonnes)	Office paper (tonnes)
New Zealand	13.24	559.90	-	2166.60	118.23
Mexico	5.70	421.00	55.30	628.90	41.80
<b>Totals</b>	<b>18.94</b>	<b>980.9</b>	<b>55.30</b>	<b>2795.50</b>	<b>160.03</b>

## Water & Wastewater

FPH places great emphasis on the efficient use of resources. Although our manufacturing processes are not water intense, our Mexico operations are in a water scarce region and therefore efficient and sustainable use of this resource is our top priority. We have implemented closed loop cooling systems in our manufacturing plants to conserve water, and we harvest rain and underground water in New Zealand operations.

Below is FPH's FY21 global water and wastewater data, third-party verified by SGS:

Business Unit	Water			
	Mains water supply (m <sup>3</sup> )	Wastewater (m <sup>3</sup> )	Borehole water (m <sup>3</sup> )	Rainwater(m <sup>3</sup> )
Australia	207.00	196.65		
Brazil	172.32	163.70		
Canada	424.16	402.95		
China	63.00	59.85		
Colombia	66.28	62.97		
France/Benelux/Italy/Spain/Portugal	1,895.48	1,800.71		
Germany/Switzerland/Austria/Poland	480.00	480		
Hong Kong	132.55	125.92		
India	636.00	604.20		
Indonesia	26.51	25.18		
Japan	927.86	881.47		
Korea	157.00	149.15		
Mexico	52,351.00	6302		
Mexico Sales Office	132.55	125.92		

New Zealand	65,874.00	64,715	4,349	5,550
Russia	229.00	217.55		
Saudi Arabia	26.51	25.18		
Sri Lanka	26.51	25.18		
Sweden/Denmark/Norway/Finland	225.34	214.07		
Taiwan	238.59	226.66		
Turkey	67.14	63.79		
UAE	26.51	25.18		
UK & Ireland	1,020.64	969.61		
USA	9,493.97	9,019.28		
<b>Totals</b>	<b>134899.93</b>	<b>86881.843</b>	<b>4,349</b>	<b>5,550</b>