



SUMMARY OF CARBON REDUCE CERTIFICATION ⁱ

FOR Integrated Water Services Limited



Summary for 01 April 2021 to 31 March 2022

CARBON REDUCE ORGANISATION CERTIFIED: INTEGRATED WATER SERVICES LIMITED

Carbon Reduce certified means committing to ongoing reductions while achieving annual measurement for at least the Toitū mandatoryⁱⁱ emissions.



Measured emissions to **ISO 14064-1:2018** and Programme requirements



Managing and reducing against Programme requirements

This report provides a summary of the annual greenhouse gas (GHG) emissions inventory and management report for Integrated Water Services as part of the annual work to achieve Carbon Reduce certification. Additional details of the annual achievements, commitments, and verification are available on request from Integrated Water Services.

This report is the annual greenhouse gas (GHG) emissions inventory and management report for Integrated Water Services (M&E) Limited.

The purpose of this report is to measure and manage our GHG emissions, which contributes to our overall company sustainability policy and corporate responsibility.

The inventory report and any GHG assertions are expected to be verified by a Programme-approved, third-party verifier. The level of assurance is reported in a separate Assurance Statement provided to the directors of the certification entity.

ACHIEVEMENTS

These achievements have been verified in line with ISO 14064-3:2019 and Carbon Reduce Programme Technical Requirements for the 01 April 2021 to 31 March 2022 measurement period.

EMISSIONS MEASUREMENT

Integrated Water Services' greenhouse gas emissions for this year (01 April 2021 to 31 March 2022) were 421.96 tCO₂e. Integrated Water Services has measured the emissions resulting from its operational activities, purchased energy, and selected impacts from its value chain activities, including business travel, freight, and waste sent to landfill.

The annual inventory is detailed in the following table. Emissions and reductions are reported using a location-based methodology.ⁱⁱⁱ

Category (ISO 14064-1:2018)	Scopes (GHG Protocol)	GHG emissions (tCO ₂ e)		
		Base Year 2013/2014	Previous Year 2020/2021	Current Year 2021/2022
Category 1: Direct emissions	Scope 1	1,314.04	625.38	386.91
Category 2: Indirect emissions from imported energy (location-based method*)	Scope 2	248.32	37.45	32.17
Category 3: Indirect emissions from transportation	Scope 3	0.00	0.00	0.00
Category 4: Indirect emissions from products used by organisation	Scope 3	51.29	3.24	2.87
Category 5: Indirect emissions associated with the use of products from the organisation	Scope 3	0.00	0.00	0.00
Category 6: Indirect emissions from other sources	Scope 3	0.00	0.00	0.00
Total gross emissions*		1,613.65	666.07	421.96
Category 1 direct removals		0.00	0.00	0.00
Total net emissions		1,613.65	666.07	421.96

*Gross and net emissions are reported using a location-based methodology. Contact Integrated Water Services Limited for full details.

The operational GHG emission sources included in this inventory are shown in Figure 1 below.

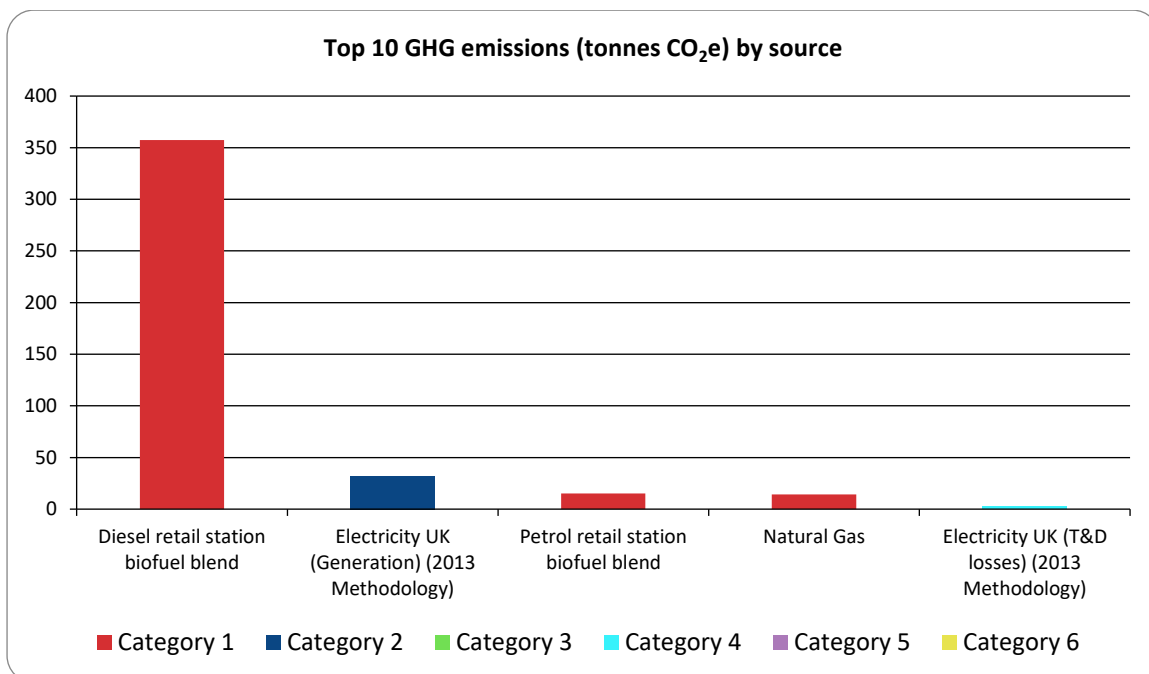


Figure 1: Top 10 GHG emissions (tonnes CO₂e) by source

SCOPE OF MEASURED INVENTORY

CONSOLIDATION APPROACH

An operational control consolidation approach was used to account for emissions. Organisational boundaries were set with reference to the methodology described in the GHG Protocol and ISO 14064-1:2018 standards. ^{iv}

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Justification of consolidation approach:

This consolidation approach because it aligns to our intended uses. In particular, it is considered to be most effective at reflecting our carbon risk exposure our departments.

BOUNDARIES

Figure 5 shows what has been included in the context of the overall structure.

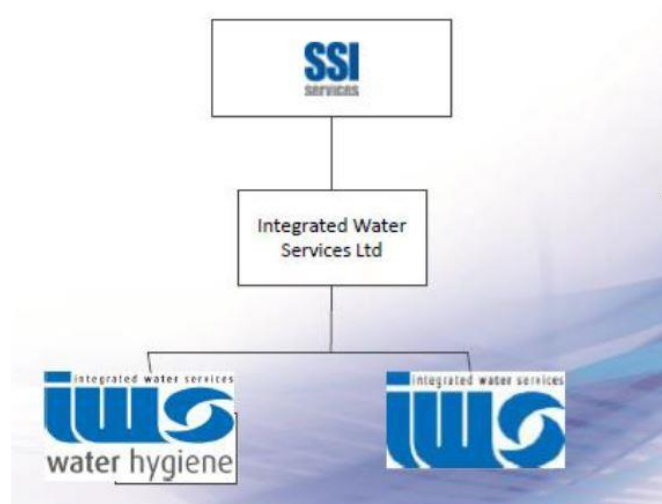


Figure 2: Organisational structure showing business units included and excluded

IWS Water Hygiene is excluded from the inventory. Excluded emissions do not exceed 5% of the total footprint within the organisation boundary stated.

Managing and reducing

This is the 10th year of reporting under the Toitū carbonreduce programme and the 8th year since resetting their base year to an average for the period 2012-2015. An absolute reduction in Category 1 and 2 emissions of 1,272.52 tCO₂e has been achieved against the base year period of 2014-2015. A reduction in emissions intensity (for Category 1, 2 and mandatory Category 3 and 4 emissions) of 13.95 tCO₂e/£M has been achieved based upon a 5-year rolling average, adjusted for inflation.

IWS M&E has successfully managed a progressive reduction in emissions targets over an 8-year period culminating with the CEMARS Gold Status awarded in November 2021.

We have achieved a 27.71% reduction in emissions intensity across Scopes 1, 2 and 3.

Target name	Baseline period	Target date	Type of target (intensity or absolute)	Current performance (tCO ₂ e)	Current performance (%)	Comments
Scopes 1, 2 and 3	20/21	22/23	Absolute	421.96	36.7	

COMMITMENTS

Reduction targets

Integrated Water Services is committed to managing and reducing its emissions. Integrated Water Services' commitments, including GHG emissions reduction targets and plans, have been reviewed and are in line with Toitū Carbon Reduce programme requirements.

The organisation is committed to managing and reducing its emissions in accordance with the Programme requirements. This is a 'SMART' target (specific, measurable, achievable, realistic, time-constrained).

Integrated Water Services is aiming for an absolute emissions reduction target of 15% over the next 3 years. This will specifically focus on transport fuel.

Looking ahead, Integrated Water Services is currently focused on the following projects.

Objective	Project	Responsibility	Completion date	Potential co-benefits	Potential unintended consequences	Actions to minimise unintended consequence
Scope 1 reduction of transport fuel i.e., diesel consumption.	Commercial vehicle fleet - conversion from ICE to electrically powered vehicles	Fleet Services	31/12/2025	Air quality improvement, particulate reduction and vehicle servicing and maintenance, reduction of used oil recycling.	Environmentally friendly recycling of redundant commercial vehicles.	Recycling partnership with manufactures primarily VW Automotive Group.

CERTIFICATE DETAILS

Certification status:	Carbon Reduce certified organisation
Certificate number:	2022327J, Year 1 of 3-year certificate period
Valid until:	24 November 2025
Measurement period:	01 April 2021 to 31 March 2022
Base year:	01 April 2012 to 31 March 2015
Audited by:	Achilles Assessment Services (UK)
Level of assurance:	Limited

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Disclaimer: This Certification Summary Statement is a summary of the information (validated and verified for relevant components of the certification) considered for certification and the certification decision. It should not be taken to represent the full submission for certification. Whilst every effort has been made to ensure that the information in this Statement is accurate and complete, Enviro-Mark Solutions Limited (trading as Toitū Envirocare) does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

ⁱⁱ The mandatory sources that must be included in any Carbon Reduce Programme inventory include:

- All direct emissions from the activities of the organisation, or the part of the organisation being certified. Direct emissions come from assets owned or controlled by the organisation, such as emissions from fleet vehicles, boilers, generators and HVAC systems.
- All emissions from imported energy (electricity, heat and steam)
- Emissions from business travel and freight paid for by the organisation
- Emissions associated with waste disposed of by the organisation, as well as the transmission and distribution of electricity, and natural gas

ⁱⁱⁱ All purchased and generated energy emissions are dual reported using both the location-based method and market-based method in the certified Inventory Report and appendices. This summary document presents the information using the location-based method. Note that reductions and any required compensation are assessed using that method. Dual reporting illustrates the role of supplier choice, onsite renewable energy generation and contractual instruments in managing indirect emissions from energy alongside any ongoing energy efficiency and reduction efforts. This dual reporting aligns with ISO 14064-1:2018 and the GHG Protocol. Please contact this organisation for the dual reporting details applicable to this inventory.

^{iv} Control: the organisation accounts for all GHG emissions and/or removals from facilities over which it has financial or operational control. Equity share: the organisation accounts for its portion of GHG emissions and/or removals from respective facilities.