



GREENHOUSE GAS AND AIR POLLUTANT EMISSIONS REPORT



2023

2024

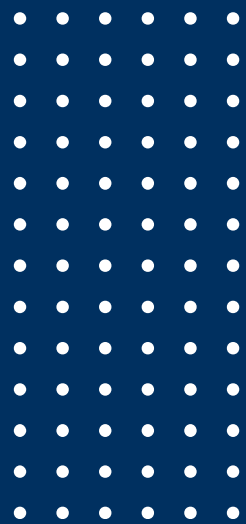
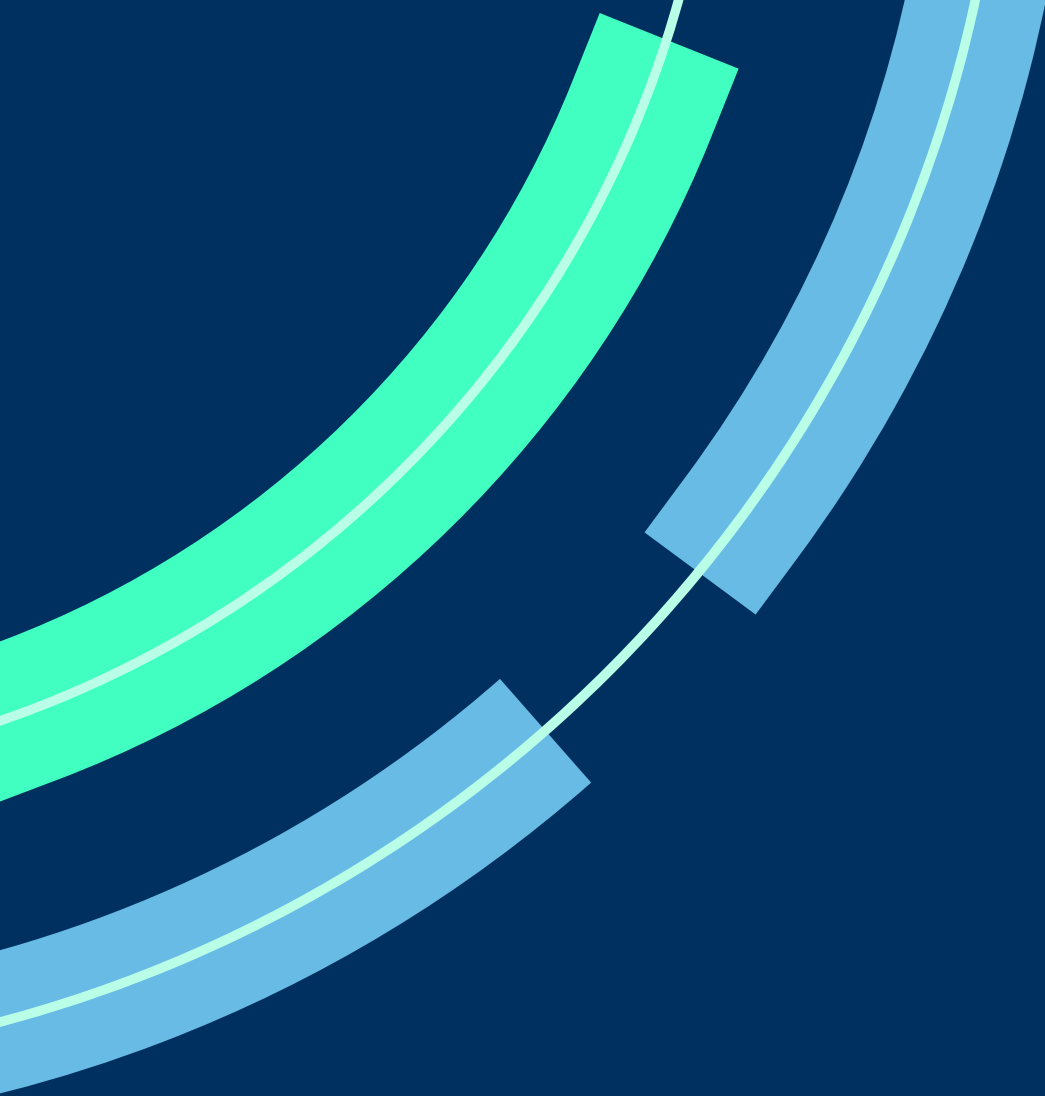


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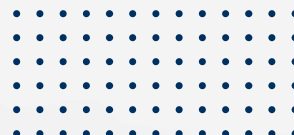
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GHG EMISSION INTENSITY



EXECUTIVE SUMMARY

Total of

108,377.39
tCO₂e

were emitted by Maynilad in the
year 2023

22,838.30 tCO₂e
total emissions
under Scope 1

14.97 tCO₂e
total emissions
under Scope 3

85,524.12 tCO₂e
total emissions
under Scope 2

0.1069 grams
of CO₂ emitted per
liter of
water/wastewater
treated

Total of

100,220.89
tCO₂e

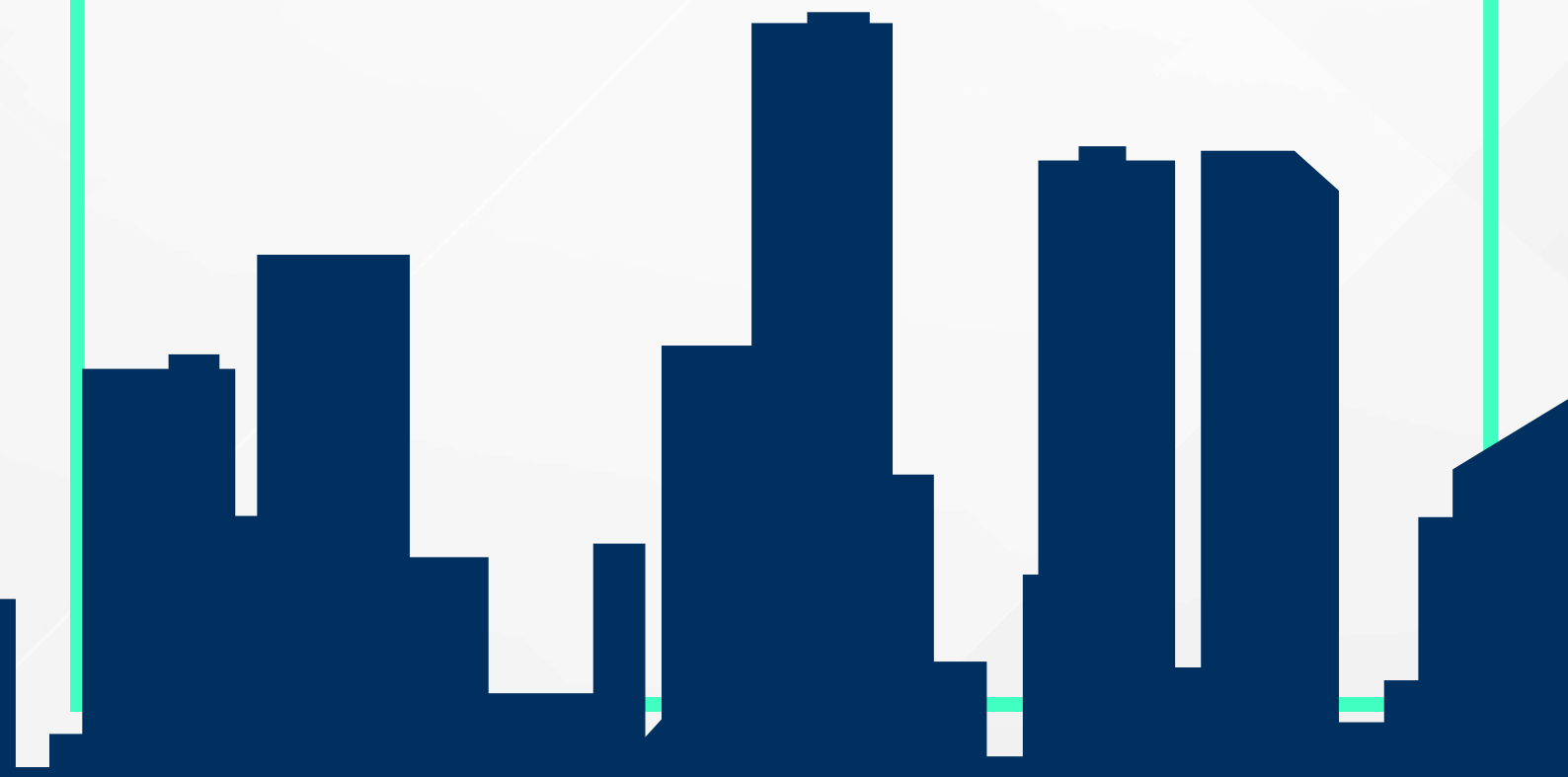
were emitted by Maynilad in the
year 2024

17,288.49 tCO₂e
total emissions
under Scope 1

18.63 tCO₂e
total emissions
under Scope 3

82,913.76 tCO₂e
total emissions
under Scope 2

0.1006 grams
of CO₂ emitted per
liter of
water/wastewater
treated



INTRODUCTION

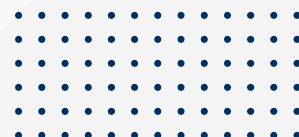
Maynilad Water Services, Inc. (Maynilad) provides water and wastewater services to the West Zone of the Metropolitan Manila area, which comprises seventeen (17) cities and municipalities. Its service area spans 540 square kilometers and includes the cities of Caloocan, Las Piñas, Malabon, Muntinlupa, Navotas, Pasay, Parañaque, Valenzuela, parts of Manila, Quezon City and Makati, the city of Cavite and the municipalities of Rosario, Imus, Noveleta, Bacoor, and Kawit.

A Revised Concession Agreement was executed on May 18, 2021, extending Maynilad's concession until July 31, 2037. Additionally, Republic Act No. 11600 (RA 11600), signed into law on December 10, 2021, granted Maynilad a 25-year franchise to establish, operate and maintain a waterworks system, as well as provide sewerage and sanitation services in the West Zone.

Maynilad is managed by Maynilad Water Holdings Company, Inc. – a joint venture between Metro Pacific Investments Corporation (MPIC), DMCI Holdings, Inc. (DMCI) and Marubeni Corporation.

Maynilad is committed to environmental sustainability and transparency in tracking and reporting its greenhouse gas (GHG) emissions and air pollutants. As part of our climate action initiatives and regulatory compliance, this GHG Emission and Air Pollutant Report for the calendar year 2023 ad 2024 provides a comprehensive assessment of our emissions profile, in alignment with global and national standards.

This document follows the requirements set by ISO 14064-1:2018 for quantifying and reporting GHG emissions and removals, as well as applicable regulatory guidelines for air pollutant emissions. It serves as a key tool in Maynilad's environmental management strategy, ensuring alignment with our sustainability goals and contributing to broader climate change mitigation efforts.



Purpose of the Report

This report aims to comprehensively quantify and disclose Maynilad's GHG emissions and key air pollutants from its operations, ensuring alignment with international reporting standards, including ISO 14064:2018. The report establishes a reliable baseline for reduction strategies by identifying emission sources across its value chain, encompassing Scope 1 (direct emissions), Scope 2 (indirect emissions), and Scope 3 (value chain emissions). It serves as a valuable tool in the company's sustainability efforts by providing accurate and verifiable data to stakeholders, including regulators, investors, business partners, and the public, reinforcing the company's commitment to transparency, accountability, and environmental responsibility.

Furthermore, Maynilad aims to strengthen its compliance with environmental policies, enhance corporate sustainability performance, and contribute to broader global and national efforts in addressing climate change and improving air quality.

Project Team

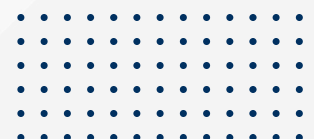
The Maynilad Green Team takes the lead in preparing this report, ensuring that it aligns with reporting standards. This team was first established in 2010 through a memorandum issued by the President, formalizing its role in driving environmental responsibility. Over the years, the Green Team has evolved to meet the growing demands of sustainability reporting and disclosure.

The key contacts are:

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Other members of the Maynilad Green Team are listed below. They are representatives from the different operational units and departments of the company.

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Steven Nicki Odanga

WSO

WSO

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Ismael Z. Cantor

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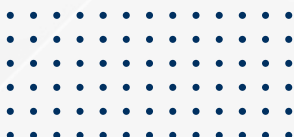
WSO

WSO

Mark Vincent Q. Talosig
Edgardo D. Borja
Marvin M. Villanueva

Alvin L. Sarita
Shirley L. Rubante
Mark Harold C. Castillo

WSO





The members of the Green Team participated in an Appreciation Course on Greenhouse Gas Management System based on ISO 14064:2018 and ISO 14064-3:2019. The training gave the team a better understanding on the principles and requirements of the standard, equipping them with the knowledge needed for effective GHG accounting and reporting. As part of the course, a GHG calculation tool was provided to the to ensure consistency in reporting. The team was also trained on how to use the tool and guided through the data collection process.

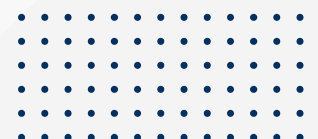
Reporting Standards, Approach and Verification

Compliance with ISO 14064:2018

The GHG Report covering the period of January 2023 to December 2024 has been prepared in accordance with the ISO 14064-1:2018. A reporting index has been provided in Appendix 1.

Audit of GHG Inventory

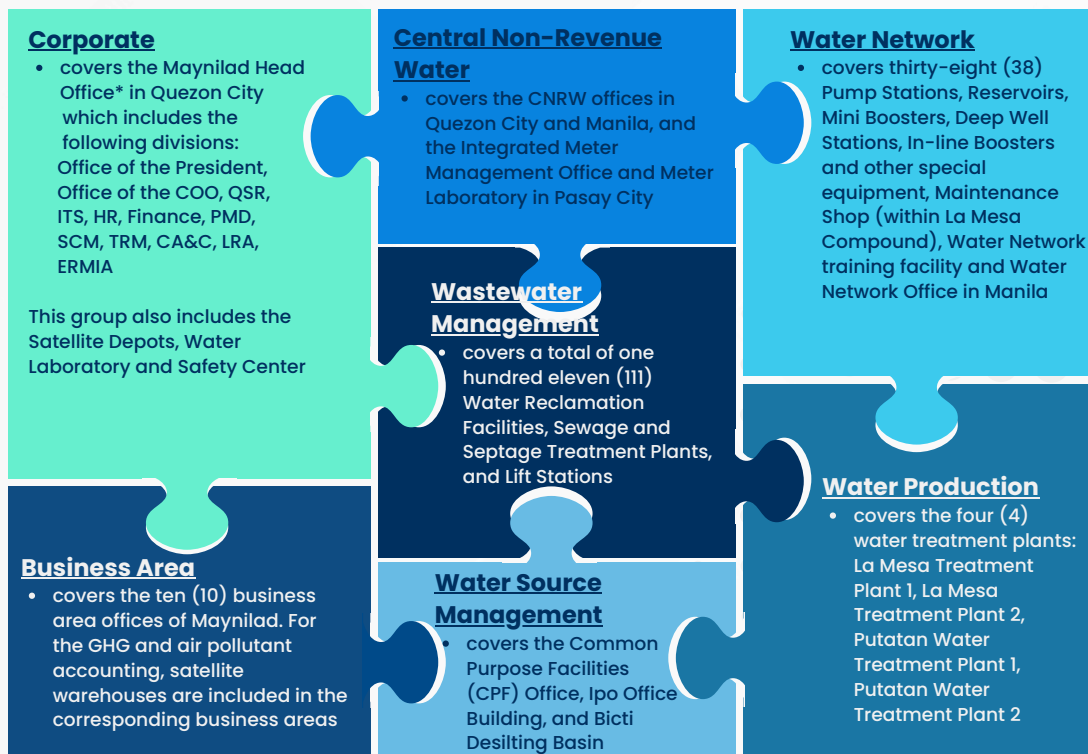
Since 2009, the Maynilad GHG Inventory report have been externally verified and have met the requirements of ISO 14064-1:2018 standard. This 2023-2024 GHG Inventory Report will be verified to ensure that it contains fair and accurate representation of Maynilad's actual emissions and the emission estimates were calculated consistently and transparently.



ORGANIZATIONAL BOUNDARIES

Maynilad tracks emissions from facilities where it has full operational control, as well as from shared facilities such as office buildings, treatment plants, reservoirs, and other common-purpose infrastructure. Additionally, emissions from contracted-out activities are included when reliable data is available.

The initial list of facilities considered for the emissions inventory is provided in Appendix 2. For operational and emissions accounting purposes, these facilities are categorized into the following groups:

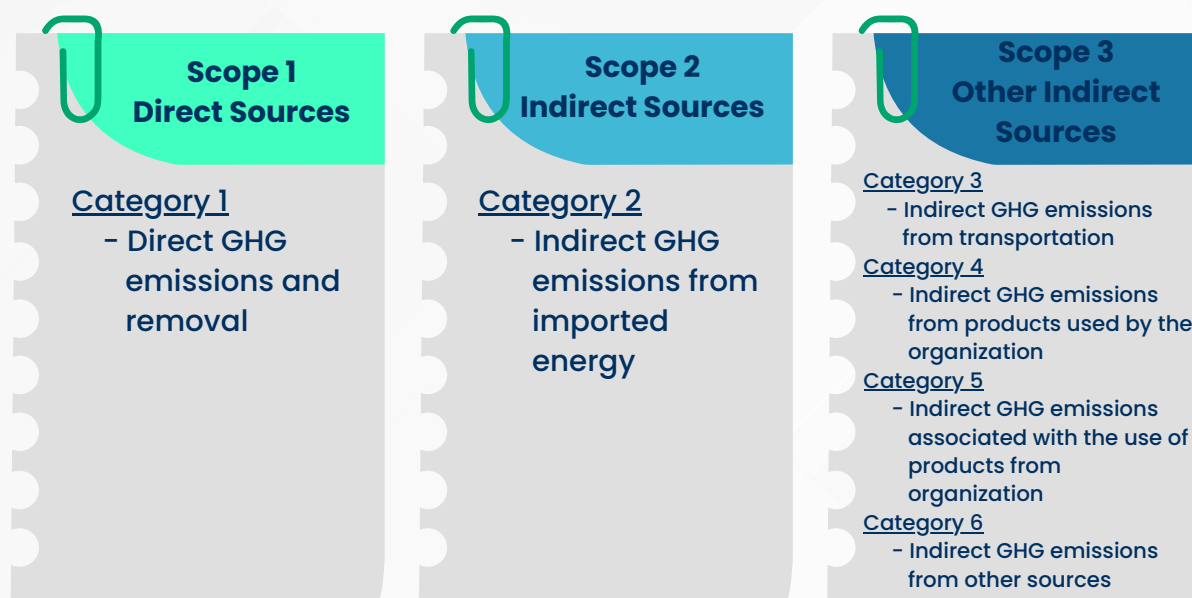


*shares with other companies

REPORTING BOUNDARIES

Emissions Category and Classifications

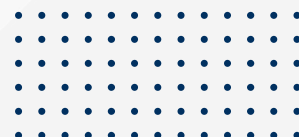
Greenhouse gas emissions sources have been identified and grouped in accordance with the Greenhouse Gas Protocol's Scopes 1 through 3 and further categorized following the ISO 14064-1:2018 Standard.



Significance and Materiality

Factors for consideration in assessing significance and materiality include:

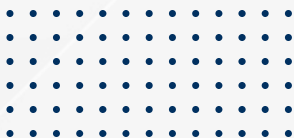
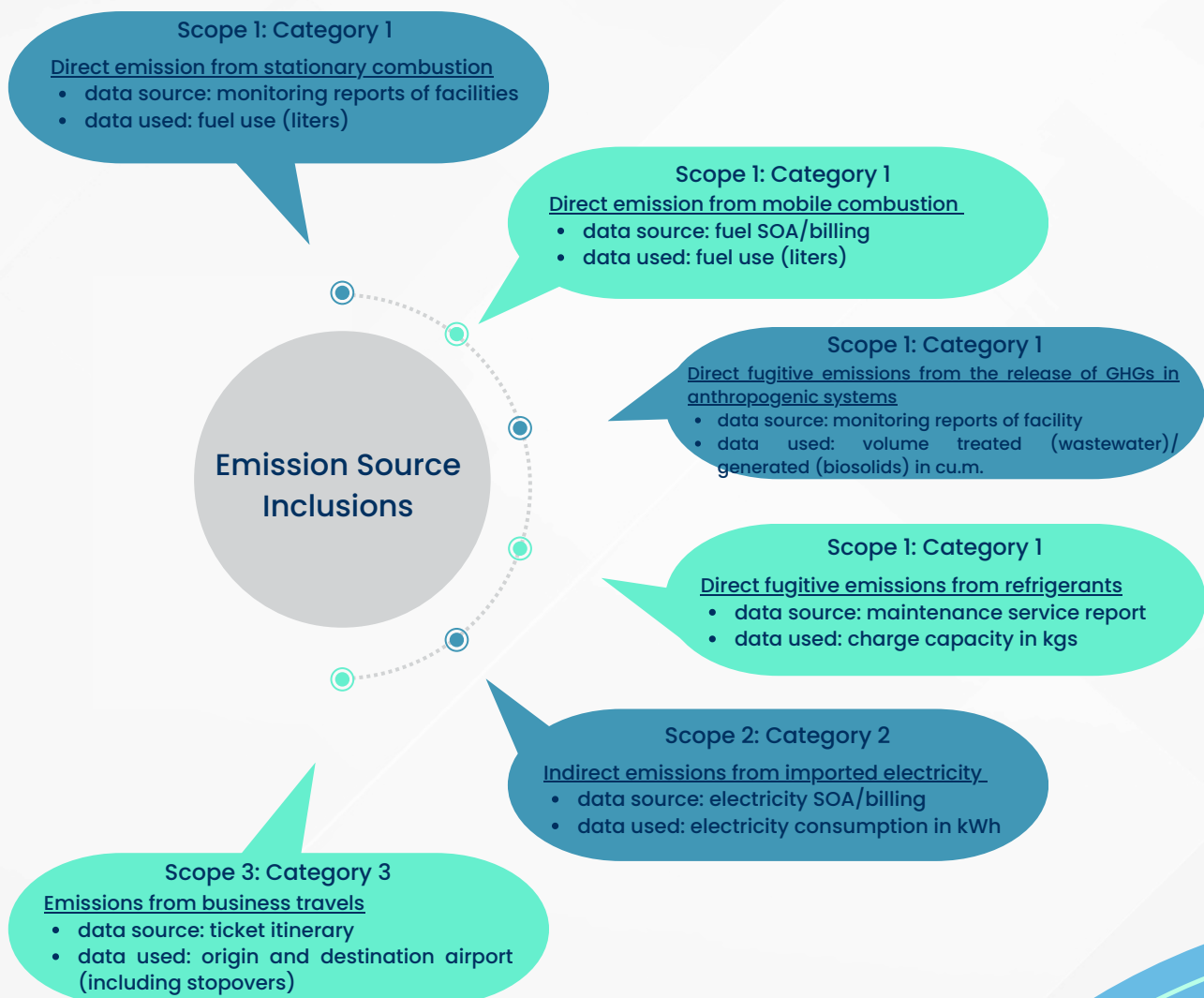
- size of the emissions
- Maynilad's influence on the emission source
- difficulty in obtaining data
- poor validity in available estimation approaches



While all the above would be considered in materiality assessments, the criteria that would mandate disclosure of emission sources as significant are:

1. Where there is a single source with estimated emissions likely to be at least 1% of Maynilad's total emissions. In this case, that emission source must be included.
2. Where the total of 'insignificant' sources has estimated emissions likely to be at least 5% of Maynilad's total emissions. In this case, 'insignificant' emissions must be included until the estimate of excluded emissions is below 5%.

Based on these criteria, the summary of emission sources inclusions is presented below.



Using the same criteria, the following are emission sources that have been excluded from the emissions inventory. These sources are not considered significant or material to stakeholders, the context of inventory, and/ or are not feasible or practical to calculate at the current point of time. Below is the summary of the emission source exclusions.

Scope 1: Category 1

Direct Emissions and removals from industrial process

- not applicable; no emission source for this scope/category

Scope 1: Category 1

Direct emissions and removals from land use and forest change

- not applicable; no emission source for this scope/category

Scope 2: Category 2

Indirect emissions from other imported energy

- not applicable; no emission source for this scope/category

Scope 3: Category 3

Emissions from upstream transportation and distribution of goods

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 3

Emissions from downstream transportation and distribution of goods

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 3

Emissions from employee commuting

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 3

Emissions from client and visitors transport

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 4

Emissions from purchased goods and services

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 4

Emissions from capital goods

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 4

Emissions from the disposal of solid waste

- Self-Monitoring Report (SMR); estimated to be <1% of the total company emissions

Scope 3: Category 4

Emissions from use of assets

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 4

Emissions from use of consumables

- no identified practical data source yet; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 5

Emissions or removals from the usage of product

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 5

Emissions from downstream leased assets

- not applicable; no source emission for this scope/ category

Scope 3: Category 5

Emissions from end-of-life stage of the product

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 5

Emissions from investments

- not applicable; data is difficult to obtain at the time; estimated to be <1% of the total company emissions

Scope 3: Category 6

Emissions from accommodation

- Official Business Request Form; estimated to be <1% of the total company emissions

QUANTIFIED GHG INVENTORY AND EMISSIONS

Consolidated Statement of GHG Emissions

The tables below shows the total GHG emissions for 2023 and 2024

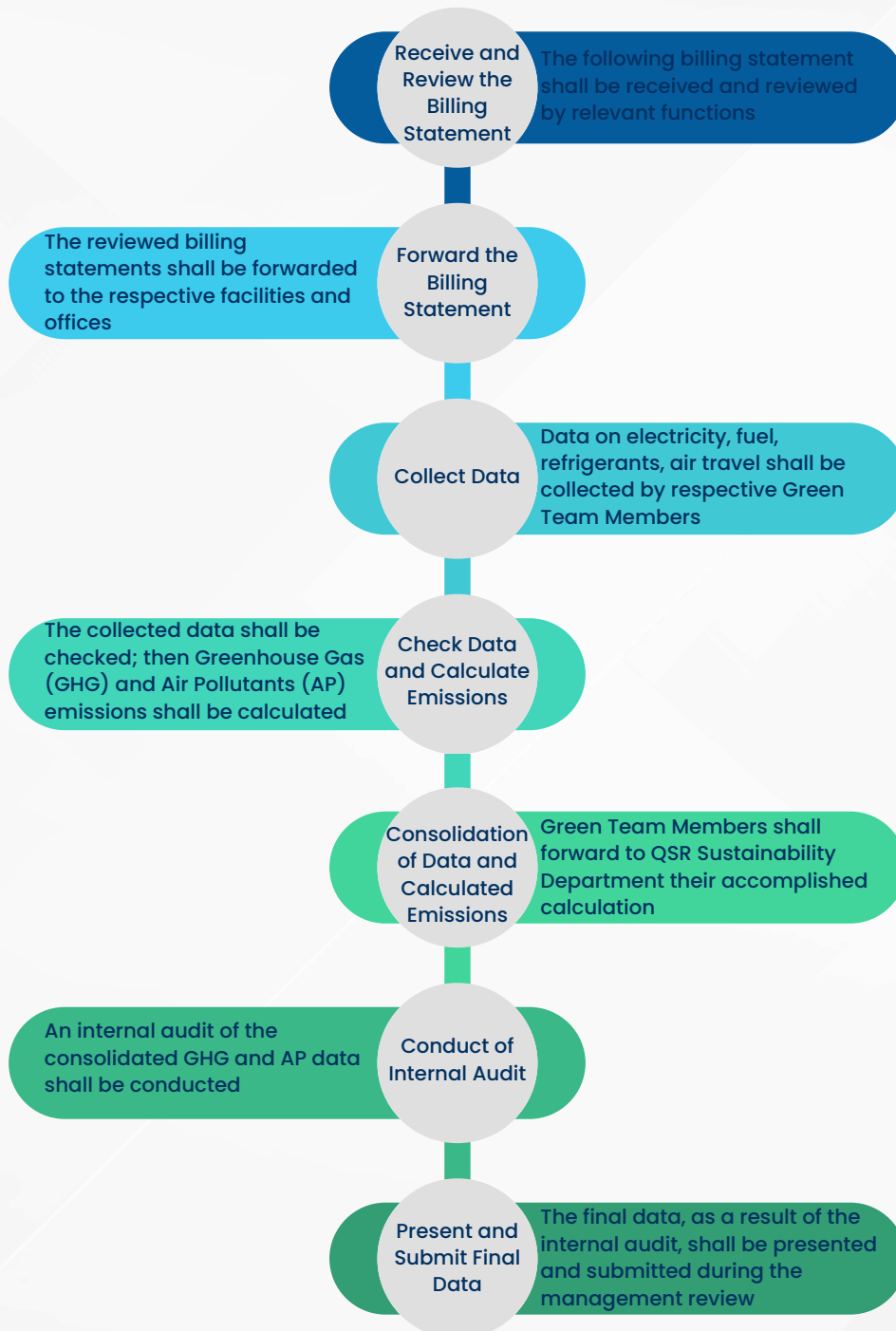
2023	CO2e total	Carbon Dioxide (CO2)	Methane (CH4)	Nitrous Oxide (N2O)
S1_Category 1: Direct GHG Emissions and Removals (tCO2e)	22,838.30	17,976.72	3,596.75	1,264.83
Direct emissions from stationary combustion	843.62	843.61	0.001018	0.001991
Direct emissions from mobile combustion	3,791.94	3,637.66	7.47	146.82
Direct fugitive emissions from the release of GHGs in anthropogenic systems	5,059.24	351.94	3,589.29	1,118.02
Direct fugitive emissions from refrigerants	13,143.50	13,143.50	0.00	0.00
S2_Category 2: Indirect GHG emissions from imported energy (tCO2e)	85,524.12	85,230.15	29.09	264.88
Indirect emissions from imported electricity	85,524.12	85,230.15	29.09	264.88
S3_Category 3: Indirect GHG Emissions from Transportation (tCO2e)	14.97	14.97	0.00	0.00
Emissions from business travels	14.97	14.97	0.00	0.00
TOTAL EMISSIONS FOR ALL CATEGORIES (tCO2e)	108,377.39	103,221.84	3,625.84	1,529.71
Removals**	18,514.00			
Direct removals in tons CO2e (Mangrove)	9,305.00			
Direct removals in tons CO2e (Ipo Tree Planting)	9,209.00			

2024	CO2e total	Carbon Dioxide (CO2)	Methane (CH4)	Nitrous Oxide (N2O)
S1_Category 1: Direct GHG Emissions and Removals (tCO2e)	17,288.49	12,932.02	3,157.52	1,198.95
Direct emissions from stationary combustion	1,914.76	1,914.75	0.002289	0.004480
Direct emissions from mobile combustion	4,371.29	4,149.40	10.77	211.13
Direct fugitive emissions from the release of GHGs in anthropogenic systems	4,443.08	308.50	3,146.76	987.82
Direct fugitive emissions from refrigerants	6,559.37	6,559.37	0.00	0.00
S2_Category 2: Indirect GHG emissions from imported energy (tCO2e)	82,913.76	82,628.77	28.20	256.79
Indirect emissions from imported electricity	82,913.76	82,628.77	28.20	256.79
S3_Category 3: Indirect GHG Emissions from Transportation (tCO2e)	18.63	18.63	0.00	0.00
Emissions from business travels	18.63	18.63	0.00	0.00
TOTAL EMISSIONS FOR ALL CATEGORIES (tCO2e)	100,220.89	95,579.41	3,185.73	1,455.75
Removals**	18,514.00			
Direct removals in tons CO2e (Mangrove)	9,305.00			
Direct removals in tons CO2e (Ipo Tree Planting)	9,209.00			

***The removals include the carbon sequestered of Maynilad's Mangrove Rehabilitation Sites in Cavite Province (2013-2019) and tree planting at IPO watershed in Norzagaray, Bulacan (2012-2017).*

Methodologies for the Collection and Quantification of Data

The GHG measurement and reporting process has been developed to ensure conformance to the principles of the ISO 14064-1:2018 Standard and to be consistent with the intended use of the GHG inventory. Below is the Information Management Procedure for data collection.



Approach to Emission Factors

The GHG and air pollutant emissions of Maynilad are estimated using the emission factor approach. Published emission factors from globally accepted emissions quantification tools and guidance materials are used while actual activity data (e.g., electricity consumption, fuel consumption, etc.) are used whenever possible. The basic formula used in the emission factor approach is:

$$E = A \times EF \times (1-ER/100)$$

Wherein:

E = emissions

A = activity data

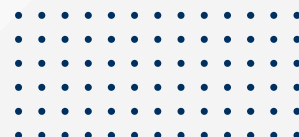
EF = emission factor

ER = emission reduction efficiency

The calculation methodologies and emission factors are derived from various notable sources such as Greenhouse Gas Protocol, World Business Council for Sustainable Development, World Resources Institutes, Anthesis, Clean Air Initiative for Asian Cities, Intergovernmental Panel for Climate Change (IPCC), U.S. Environmental Protection Agency (EPA), UK Department for Environment, Food and Rural Affairs (DEFRA), United Nations Environment Programme (UNEP), and Department of Energy (DOE). The GHG calculations in the developed tools are consistent with those of the tools of the GHG protocol. Moreover, these tools were developed to calculate GHGs as well as criteria air pollutants, which are currently not covered by the GHG Protocol.

Changes in Methodologies on Prior Year/Base Year

The base year is the year that will be used in assessing the direction of the emissions of Maynilad in the future. The year 2009 was selected as the base year to account for the transition and re-organization, which took place in 2008. The following represent changes in methodology with respect to the base year and our commitment to improve the accuracy and breadth of reporting year on year:



- Emission factor updates
- Calculation tool
- Improvements identified from our review, across data sourcing, quality, completeness and consistency

Global Warming Potential (GWP) Calculation and Source

Quantities of GHG emissions are expressed as tons of CO₂e (Carbon Dioxide equivalents) using the global warming potentials (GWP). The GWP values used is based on the published values in the IPCC Sixth Assessment Report (2021) for the time horizon of 100 years. The most notable GHGs include:

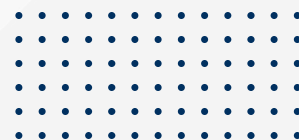
GHG	Chemical Formula	GWP
Carbon Dioxide	CO ₂	1.0
Methane	CH ₄	27.9
Nitrous Oxide	N ₂ O	273

Review, Initial Audit and Improvement

Review, internal audit and improvement of primary data have been sought for all significant emissions sources. Where data is unavailable or not comparable, conservative estimation methods have been applied such that incentives lie in continually improving the ratio of primary data to estimation approaches. Preparation of the inventory is done iteratively with several internal draft, check and resubmission stages in the lead up to verification.

Following 2018–2022 reporting years, a post audit review was done. Some improvements identified and to be possibly enacted for the 2025 reporting are the following:

- Extended timeline for compiling data
- Better data quality and completeness
- More comprehensive and better organized source data
- Transition to better units of measure



- Addition of GHG emissions from Accommodation (hotel stay)
- Addition of GHG emissions from Waste dispose to landfill
- Addition of GHG removal sources

Assessment of Uncertainty

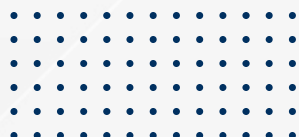
For this report, a qualitative rather than quantitative assessment of uncertainty has been applied. With the current tools and variety of emission sources, our view is that a quantitative assessment would be complex, time consuming, and offer little validity in respect to statistical uncertainty. For example, many direct and indirect factors related with global warming potentials (GWP) values that are used to combine emission estimates for various GHG involve significant scientific uncertainty. Analyzing and quantifying such uncertainty is likely to be beyond the capacity of most company inventory programs. Moreover, it is also believed that all emissions or removal quantification are associated with estimation uncertainty. The applicability of these quantitative assessments will be reviewed in each reporting period.

Changes to Base Year

There is no change to the base year calculation in this reporting period. Recalculation of the base year will only be applied where it is necessary to maintain an effective base year comparison. Reasons for this might include:

- If the emission factors used change significantly and are relevant to prior years
- If a significant estimation method has been changed/improved
- If a significant data sourcing strategy has been changed/improved
- If the scope of the inventory is changed

Recalculation of the base year will also consider whether the historical data has the required details to perform recalculation or whether it is in the right form (i.e., unit of measure) to apply a different emission factor.



Removals and Reductions/ Increases

Removals

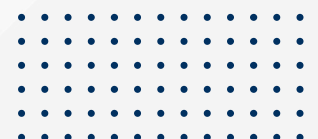
A Survival Rate and Carbon Stock Assessment of Maynilad's Mangrove Rehabilitation Sites in Cavite (2013–2019) was conducted. The four (4) mangrove rehabilitation sites of Maynilad in Cavite Province are located at Kawit, Noveleta, Bacoor and Cavite City. The study reported a total carbon stock of 2,535 tons, resulting to a total GHG removal of 9,305 tons CO₂e from 36.6 hectares of mangrove plantation.

In addition, another study was conducted (2012–2017) for the Survival Rate and Carbon Stock Assessment for the tree species planted in the IPO Watershed located in Norzagaray Bulacan. The study reported a total carbon stock of 2,509 tons, resulting to a total GHG removal of 9,209 tons CO₂e covering an area of 272 hectares of plantation.

Emission Reductions/ Increases

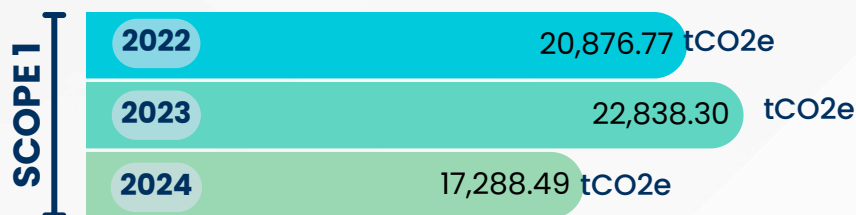
As we continue to monitor our greenhouse gases emissions, we have recorded movements in carbon dioxide equivalents across our operations in gross greenhouse gas emissions. In 2023, emissions from direct sources increased by 12.79%. While in 2024, there have been a 26.58% decrease recorded in the emissions from direct sources. For both years, emissions from refrigerants was the main contributor for the increase/decrease. As for the indirect emissions from imported electricity or emissions under scope 2, a 1.48% increase was observed in 2023 compared to previous year which can be attributed to additional facilities included in the inventory while in 2024 it decreased by 3.72% hitch could be a result of the optimization of the operations of the new facilities and the strengthened effort to increase the mix of renewable energy to our electricity sources.

For the scope 3 emissions or the other indirect emissions, we only account for those from transportation particularly for business travel by air. In 2023, emissions from this source increased by 83.69% while in 2024 it further



increased by 24.42%. The increase in the emissions for both years was the result of business operations reverting to pre-pandemic set-ups and having more lenient restrictions for air travels compared to the pandemic years.

Overall, the company-wide emissions from all the identified sources have increased by 3.44% in 2023 but due to our continuous effort in reducing our emission it decreased by 8.03% in 2024. The following figures below shows the breakdown of the emissions per scope and its comparison to previous years.



Other Initiatives

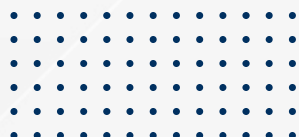
Plant for Life Program

This program is one of prominent programs by Maynilad that supports its commitment to be a sustainable company with the main goal of taking care of the environment which is the primary source for its core business. From the programs inception in 2007 to date, a total of approximately 1.4 million trees has already been planted across 1,968 hectares of forestlands. For the year 2024 alone, a total o 237,229 seedlings were planted with the help and support of its partners. This covers a total of 660 hectares of forestlands and mangrove areas. The program has since progressed from just conducting planting activities in the covered watersheds but now also includes maintenance and protection efforts to the previously planted sites. This has resulted in the increase of the survival rate of the planted seedlings as well as strengthened awareness in the importance of watershed conservation.



Green Mobility Program

As Maynilad strengthens its efforts towards its goal of being a carbon neutral company by 2037, it continues to roll out its program of shifting 50% of its fleet vehicles from traditional fuel-powered vehicles to electric vehicles. The three (3) pilot units were delivered to the company last 2023 and was first utilize by the last quarter of the same year. Since then some emission reductions were already accounted from the utilization of the



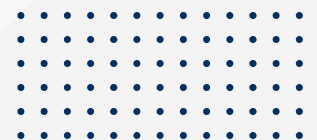
units. In 2024 alone, the three units have already contributed 12.65 tCO₂e emissions reduction.

At the start of 2025, Maynilad replaced three (3) more units of its traditional fuel-powered vehicles into electric vehicles. The company now have a total of six (6) units of electric vehicles in its fleet.

Renewable Energy

Cleaner energy from renewable sources has been becoming more and more accessible in the market today. As a company that seeks to contribute its share in the reduction of the greenhouse gas emissions in the country, Maynilad is one of those that utilizes this opportunity. In 2024, Maynilad has already achieved a renewable energy mix 15.80%. This is equivalent to 573.39 tCO₂e avoided by choosing renewable sources as part of the company's power demand on its daily operations.

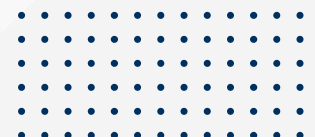
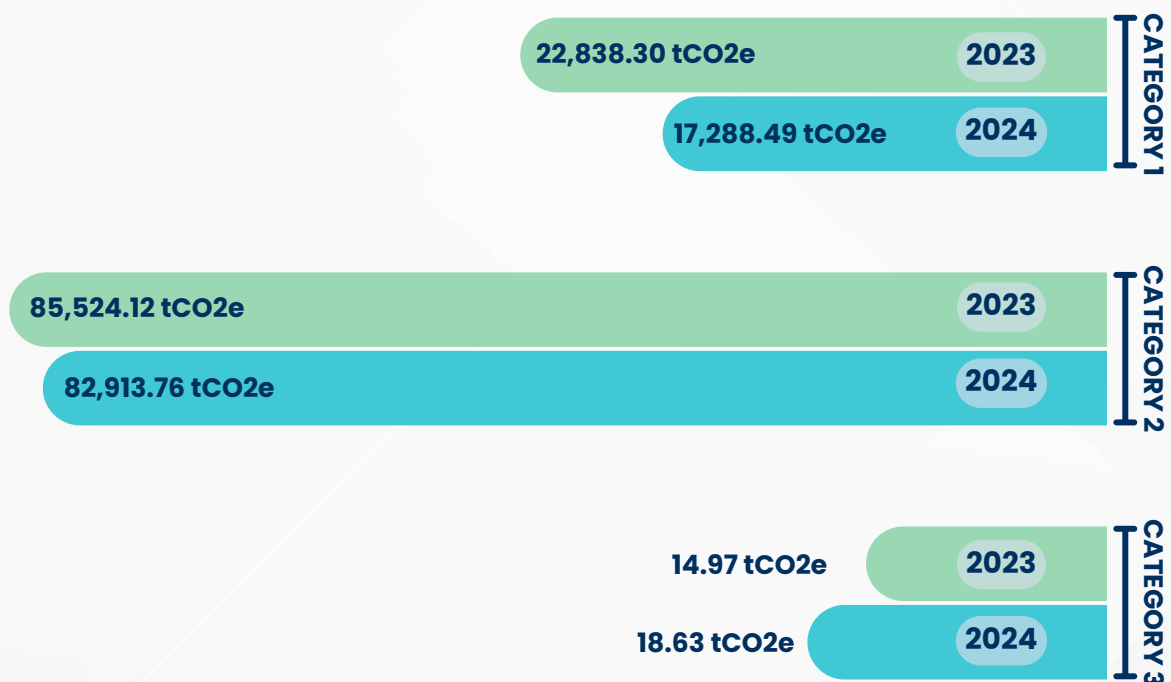
Increasing its renewable energy mix is part of the company's programs towards achieving its carbon neutrality goals. Investing in more solar power generation and engaging partners for renewable's Power Purchase Agreement (PPA) are some of the steps Maynilad is looking into to achieve this goal.



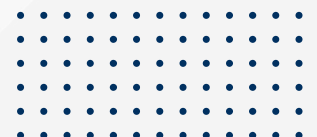
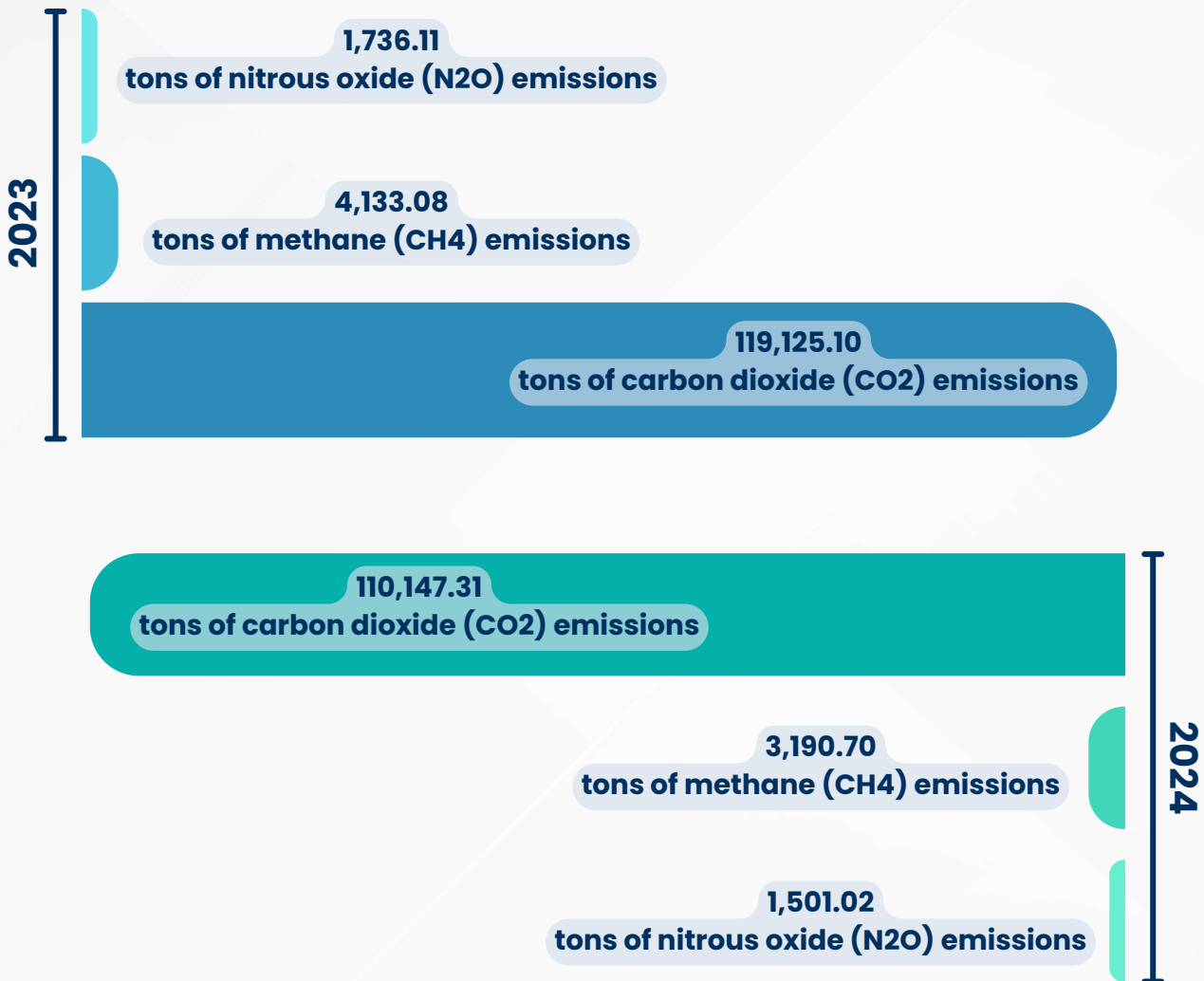
INTERNAL REPORTING AND PERFORMANCE

Emissions by Category, GHG Type and Air Pollutant Type

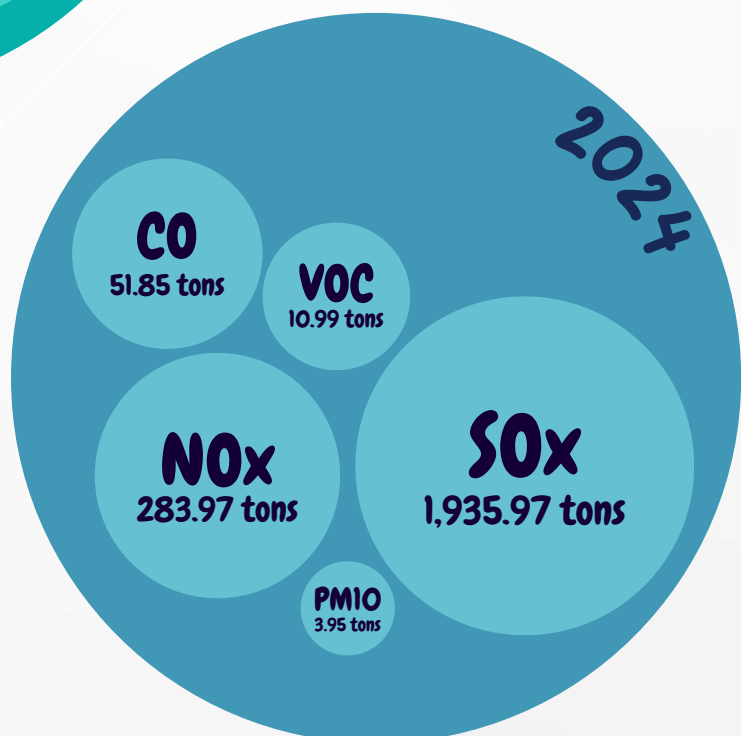
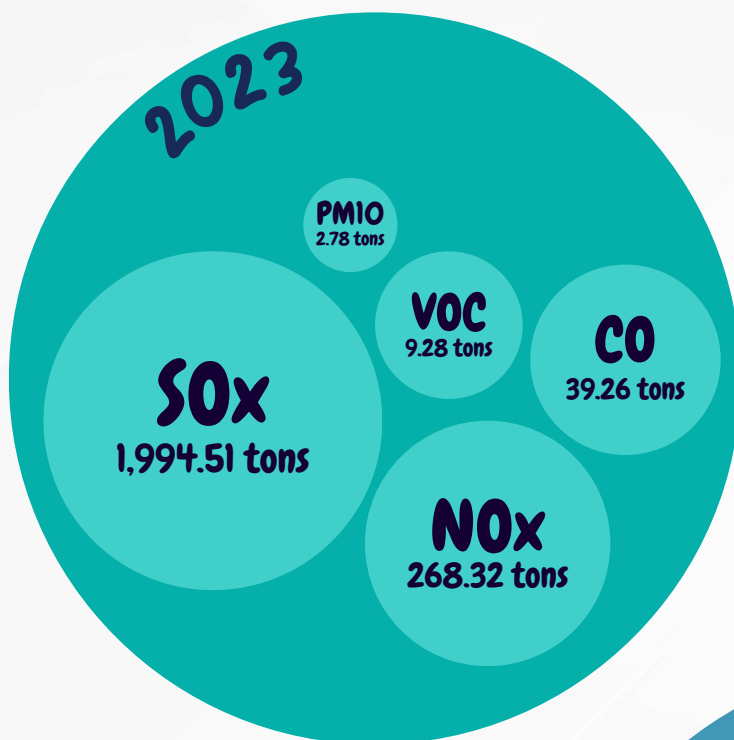
The significant emission sources of the company fall under Category 1, Category 2 and Category 3. The biggest portion of the total GHG emissions was still from the Category 2 sources or the purchased electricity which is 81.15% of the overall emissions in 2023 and 84.93% of the overall emissions in 2024. Category 1 sources or the fuel consumption from vehicles and engines, process emissions and emissions from refrigerants is the next big contributor in the total GHG emissions. In 2023, it is 18.84% of the overall emissions while in 2024 it is 15.05% of the overall emissions. The remaining part of the company's emissions fall under Category 3 sources or from the business travel by air.



Among the three (3) greenhouse gases emitted by Maynilad, carbon dioxide (CO₂) is still the most emitted GHG which is approximately 96% of the total emissions of the company. Methane (CH₄) and nitrous oxide (N₂O) comprise the rest of the GHG emission of the company which is approximately 3% and 1% respectively of the total emissions. The breakdown of the emissions per type of greenhouse gas is shown in the figures below.



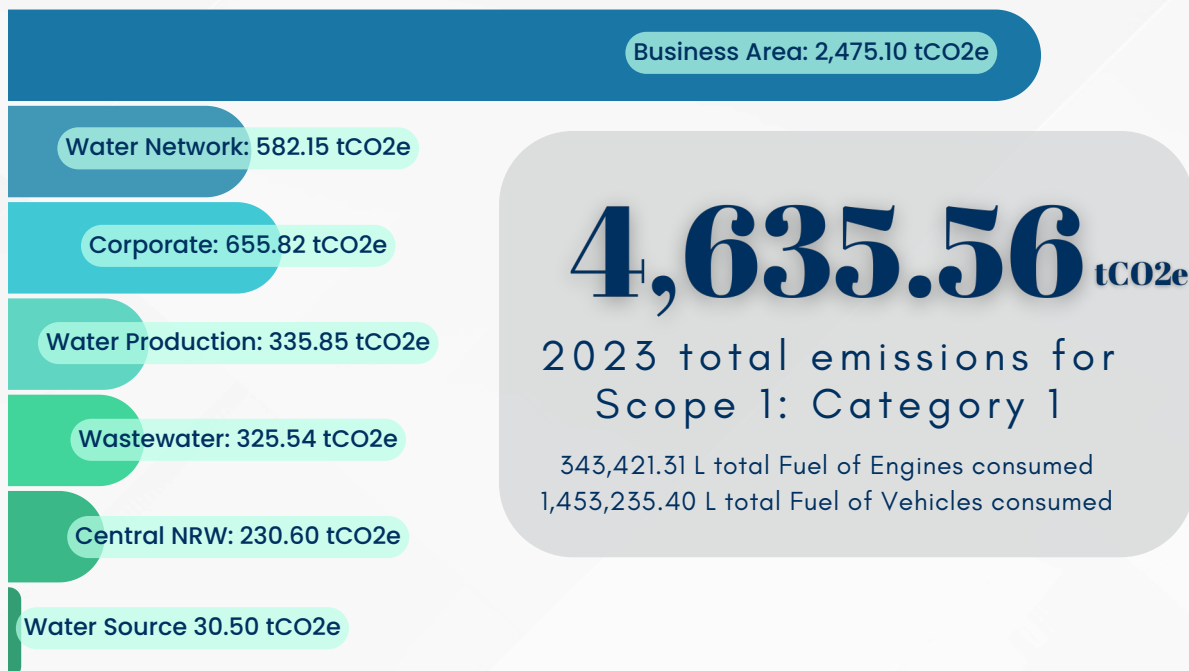
Aside from the three greenhouse gases, Maynilad also monitors and accounts for its air pollutant emissions. There are five (5) air pollutants monitored by the company. These are sulfur oxides (SOx), nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compounds (VOC), and particulate matter 10 (PM10). Among these air pollutants, SOx is still the most emitted air pollutant for both 2023 and 2024. In 2023, SOx emissions were equivalent to 2,365.34 tons which is a 1.44% increase from the previous year while in 2024 SOx emissions was 2,275.44 tons which was equivalent to a 3.80% decrease from 2023. On the other hand, PM10 still remains the least emitted air pollutant both in 2023 and in 2024. For 2023, the emitted PM10 decreased by 31.16% however in 2024 it increased by 36.91%.



Emissions by Business Unit (Scope 1: Category 1)



2023

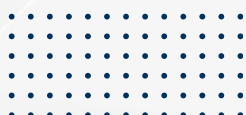


6,286.05 tCO2e

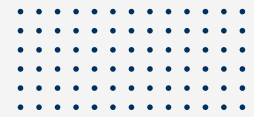
2024 total emissions for Scope 1: Category 1

765,455.96 L total Fuel of Engines consumed
1,691,572.87 L total Fuel of Vehicles consumed

2024



Emissions by Business Unit (Scope 2: Category 2)



85,524.12 tCO₂e

2023 total emissions for
Scope 2: Category 2

168,480,553.72 kWh total Electricity consumed

2023

Water Network
57,506.28 tCO₂e

Water Production
16,506.70 tCO₂e

Wastewater
9,449.33 tCO₂e

Central NRW
101.99 tCO₂e

Water Source
171.30 tCO₂e

Business Area
675.69 tCO₂e

Corporate
1,112.82 tCO₂e

Corporate
1,113.99 tCO₂e

Business Area
751.65 tCO₂e

Central NRW
107.32 tCO₂e

Water Source
29.99 tCO₂e

Wastewater
10,428.07 tCO₂e

Water Production
14,491.91 tCO₂e

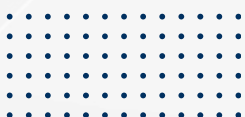
82,913.76 tCO₂e

2024 total emissions for
Scope 2: Category 2

161,909,398.75 kWh total Electricity consumed

2024

Water Network
55,990.84 tCO₂e



Performance Measures, Targets and Benchmarks

As Maynilad continues to grow to serve its customers better, it is currently not practical to determine the performance against a fixed emissions targets. Despite of this, the company still aims to continually reduce the emission intensity of its activities year on year. Maynilad will also assess the relevance of new measures and targets in each reporting period.

GHG Emission Intensity

Part of the company's GHG accounting and reporting process to ensure the accuracy of the data used to calculate for the overall emissions of the company is the conduct of internal audits. The results of the internal audits were then submitted for external verification by an international certification body. For additional checking of the data and the report, a GHG verification audit was conducted for the latest published report by a third-party service provider. The verification audit is planned to be conducted annually.

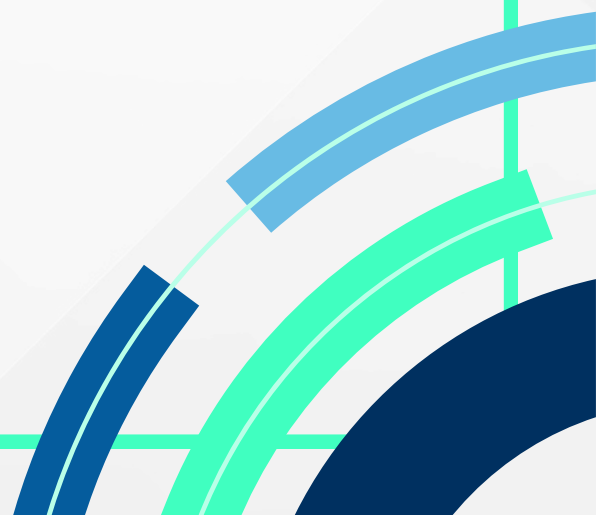
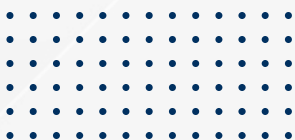
	Tons of CO ₂ e		
	2022	2023	2024
Scope 1	20,876.77	22,838.30	17,288.49
Scope 2	99,949.23	85,524.12	82,913.76
Scope 3	8.15	14.974	18.63
Total Annual Gross Emissions	120,834.16	108,377.39	100,220.89
Water Produced + Treated Wastewater (ML)	994,526.71	1,013,978.01	996,618.38
GHG Intensity (tCO ₂ e/ML)	0.1215	0.1069	0.1006



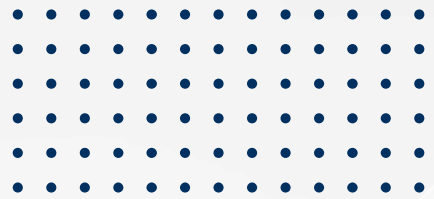
The table above shows the 3-year data comparison of the total emissions for each scope as well as the calculated overall emission intensity for each year.

In 2023, the Scope 1 emissions increased by 12.94% compared to the previous year which can be attributed to the 27.78% increase in emissions from mobile combustion sources and the 25.03% increase in emissions from refrigerants. However, in 2024 the Scope 1 emissions decrease by 26.58%. A big contributor to this decrease is the 50.09% decrease in the emissions from refrigerants. Both in 2023 and 2024, Scope 2 emissions still remains to be the largest source of the overall greenhouse gas emissions. For 2023, it is 81.15% of the total emissions while in 2024 it is 84.93% of the total emissions. Although its percentage in the overall emissions for 2024 have increased, the Scope 2 emissions for 2024 have decreased by 3.85% compared to the Scope 2 emitted in 2023.

As Maynilad continues to expand its services and coverage area to fulfill its service obligations, the GHG emissions of the company is still expected to somehow continue to increase. In spite of this, Maynilad still continues to implement various measures to help reduce its emissions from its daily operations which is also in support to its goal to be a carbon neutral company and its mission to be a sustainable company.



GHG STATEMENT

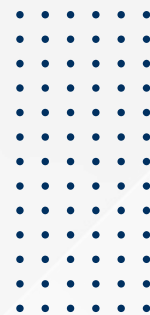


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In 2023, Maynilad released a total of **108,377.39** tons of CO₂ which is equivalent to **0.1069** grams of CO₂ for every liter of water and wastewater treated. While in 2024, Maynilad released a total of **100,220.89** tons of CO₂. This is equivalent to **0.1006** grams of CO₂ for every liter of water and wastewater treated.

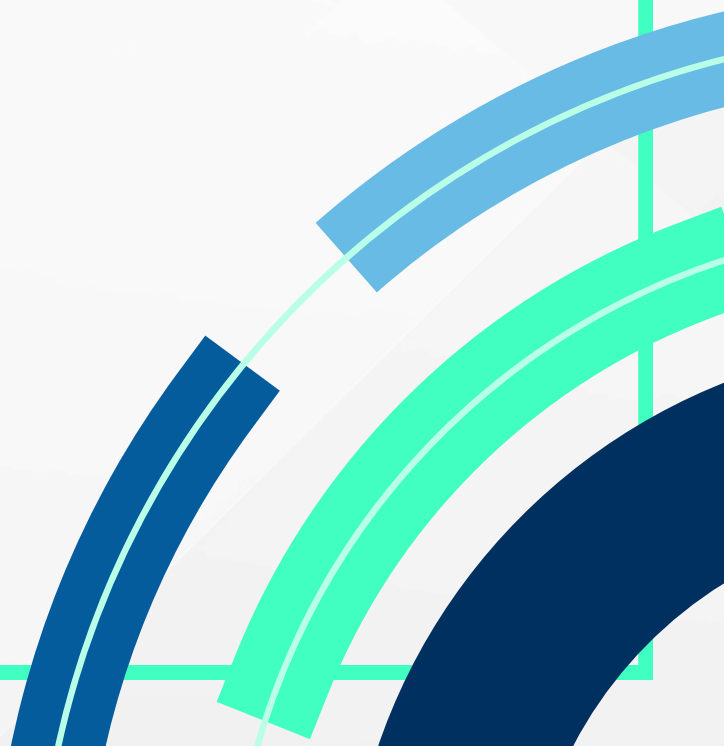
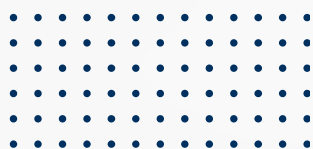
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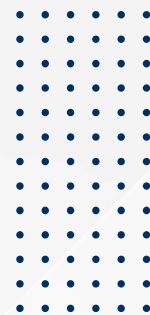
ANNEX A

ISO 14064-1:2018 REPORTING INDEX



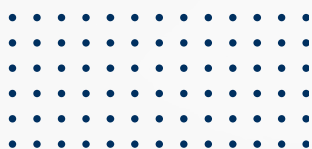


ISO Reporting	Section in this Report	ISO Reporting	Section in this Report
9.3.1 (a)	1.3	9.3.2 (a)	1.3
9.3.1 (b)	1.4	9.3.2 (b)	4.6
9.3.1 (c)	1.6	9.3.2 (c)	NA
9.3.1 (d)	2	9.3.2 (d)	NA
9.3.1 (e)	3	9.3.2 (e)	4.6
9.3.1 (f)	4.1	9.3.2 (f)	4.1
9.3.1 (g)	4.1	9.3.2 (g)	NA
9.3.1 (h)	4.6	9.3.2 (h)	5.5
9.3.1 (i)	3.3	9.3.2 (i)	4.3
9.3.1 (j)	4.1	9.3.2 (j)	4.6
9.3.1 (k)	4.5	9.3.2 (k)	4.6
9.3.1 (l)	4.5		
9.3.1 (m)	4.2	9.3.3	NA
9.3.1 (n)	4.2		
9.3.1 (o)	4.2		
9.3.1 (p)	4.4		
9.3.1 (q)	4.4		
9.3.1 (r)	1.7		
9.3.1 (s)	1.7		
9.3.1 (t)	4.2		



ANNEX B

LIST OF FACILITIES



	Facility	Excluded?	Reason for Exclusion
Corporate	Arroceros Warehouse	No	
Corporate	Central Laboratory (WATERLab)	No	
Corporate	Central Materials Depot (Socea Bonna)	No	
Corporate	Head Office (Balara)	No	
Corporate	South Quezon City Warehouse	No	
Corporate	Safety Center	No	
Corporate	Arroceros (Logistics, Clinic, PMD)	No	
Business Areas	Cavite Warehouse	No	
Business Areas	East Cavite/ West Cavite Business Area	No	
Business Areas	North Quezon City Business Area	No	
Business Areas	Malabon-Valenzuela Business Area	No	
Business Areas	Muntinlupa-Las Piñas Business Area	No	
Business Areas	Muntinlupa Warehouse	No	
Business Areas	North Caloocan Business Area	No	
Business Areas	Novaliches/Valenzuela Warehouse	No	
Business Areas	Parañaque-Pasay-Makati Business Area	No	
Business Areas	Parañaque Warehouse	No	
Business Areas	South Quezon City Business Area	No	
Business Areas	Manila Business Area	No	
Business Areas	Navotas-South Caloocan Business Area	No	
Central NRW	Arroceros Office (LDM Office)	No	
Central NRW	Gauging Points	Yes	battery operated
Central NRW	IMM Office (old Pasay Business Area)	No	
Central NRW	Meter Lab (La Mesa Compound)	No	with power consumption due to renovation
Wastewater Management	Alabang Water Reclamation Facility and Lift Station D	No	
Wastewater Management	Alabang Lift Station A (ATC)	No	
Wastewater Management	Alabang Lift Station B (Santiago)	No	
Wastewater Management	Alabang Lift Station C (Avocado)	No	
Wastewater Management	Alabang-Zapote Septage Treatment Plant	No	
Wastewater Management	Baesa Water Reclamation Facility	No	
Wastewater Management	Bagbag Water Reclamation Facility	No	
Wastewater Management	Bagbag Pump Station (PS)	No	
Wastewater Management	Bahay Toro Water Reclamation Facility	No	
Wastewater Management	Bahay Toro Lift Station (LS)	No	

	Facility	Excluded?	Reason for Exclusion
Wastewater Management	Bahay Toro Pump Station (PS-1)	No	
Wastewater Management	Bahay Toro Pump Station (PS-2)	No	
Wastewater Management	Bahay Toro Pump Station (PS-3)	No	
Wastewater Management	Bahay Toro Pump Station (PS-4)	No	
Wastewater Management	Bahay Toro Pump Station (PS-5)	No	
Wastewater Management	Bahay Toro Pump Station (PS-6)	No	
Wastewater Management	Bahay Toro Pump Station (PS-8)	No	
Wastewater Management	Bahay Toro Pump Station (PS-9)	No	
Wastewater Management	Bahay Toro Pump Station (PS-10)	No	
Wastewater Management	Bahay Toro Pump Station (PS-11)	No	
Wastewater Management	Bahay Toro Pump Station (PS-12)	No	
Wastewater Management	Bahay Toro Pump Station (PS-13)	No	
Wastewater Management	Bahay Toro Pump Station (PS-14)	No	
Wastewater Management	Bahay Toro Pump Station (PS-15)	No	
Wastewater Management	Bahay Toro Weir	No	
Wastewater Management	Congressional Water Reclamation Facility	No	
Wastewater Management	Dagat-dagatan Water Reclamation Facility (CAMANA)	No	
Wastewater Management	Dagat-dagatan Pump Station	Yes	for decommissioning
Wastewater Management	Del Monte Water Reclamation Facility and PS-3	No	
Wastewater Management	Del Monte Lift Station (LS-1)	No	
Wastewater Management	Del Monte Pump Station (PS-1)	No	
Wastewater Management	Del Monte Pump Station (PS-4)	No	
Wastewater Management	Grant Water Reclamation Facility	No	
Wastewater Management	Kapiligan Water Reclamation Facility	No	
Wastewater Management	Kapiligan Lift Station (LS-1)	No	
Wastewater Management	Kapiligan Pump Station (PS-2)	No	
Wastewater Management	Legal Water Reclamation Facility	No	
Wastewater Management	Legarda Lift Station	No	
Wastewater Management	Luneta Lift Station	No	
Wastewater Management	Malate Lift Station	No	
Wastewater Management	Paco Lift Station	No	
Wastewater Management	Paco Lift Station (LS-1)	No	
Wastewater Management	Paco-Quirino Lift Station	No	
Wastewater Management	Paco Pump Station (PS-1)	No	
Wastewater Management	Paco Water Reclamation Facility	No	

	Facility	Excluded?	Reason for Exclusion
Wastewater Management	Paltok Water Reclamation Facility	No	
Wastewater Management	Paltok Pump Station (PS-1)	No	
Wastewater Management	Paltok Pump Station (PS-2 and PS-4)	No	
Wastewater Management	Paltok Pump Station (PS-3)	No	
Wastewater Management	Paranaque Water Reclamation Facility	No	
Wastewater Management	Paranaque MHP A03	No	
Wastewater Management	Paranaque PS-13	No	
Wastewater Management	Paranaque PS-14	No	
Wastewater Management	Paranaque PS-16	No	
Wastewater Management	Paranaque PS-17	No	
Wastewater Management	Paranaque PS-18	No	
Wastewater Management	Paranaque PS-21	No	
Wastewater Management	Paranaque PS-22	No	
Wastewater Management	Paranaque PS-25	No	
Wastewater Management	Paranaque PS-29	No	
Wastewater Management	Paranaque PS-30	No	
Wastewater Management	Paranaque PS-34	No	
Wastewater Management	Paranaque PS-35	No	
Wastewater Management	Paranaque PS-36	No	
Wastewater Management	Paranaque PS-38	No	
Wastewater Management	Paranaque PS-39	No	
Wastewater Management	Paranaque PS-40	No	
Wastewater Management	Paranaque PS-41	No	
Wastewater Management	Paranaque PS-43	No	
Wastewater Management	Paranaque PS-44	No	
Wastewater Management	Paranaque PS-45	No	
Wastewater Management	Paranaque PS-47	No	
Wastewater Management	Paranaque PS-48	No	
Wastewater Management	Paranaque PS-51	No	

	Facility	Excluded?	Reason for Exclusion
Wastewater Management	Paranaque PS-52	No	
Wastewater Management	Paranaque PS-53	No	
Wastewater Management	Paranaque PS-54	No	
Wastewater Management	Paranaque PS-58	No	
Wastewater Management	Paranaque PS-59	No	
Wastewater Management	Paranaque PS-61	No	
Wastewater Management	Paranaque PS-81	No	
Wastewater Management	Paranaque PS-82	No	
Wastewater Management	Paranaque PS-84	No	
Wastewater Management	Paranaque PS-86	No	
Wastewater Management	Pasay Water Reclamation Facility	No	
Wastewater Management	Pasay PS-1	No	
Wastewater Management	Pasay PS-2	No	
Wastewater Management	Pasay PS-3	No	
Wastewater Management	PhilamLife Imhoff	No	
Wastewater Management	Port Area Lift Station	No	
Wastewater Management	Project 7 (Veterans) Water Reclamation Facility	No	
Wastewater Management	Project 7 (Veterans) Pump Station (PS)	No	
Wastewater Management	Samson Water Reclamation Facility	No	
Wastewater Management	San Antonio Water Reclamation Facility	No	
Wastewater Management	San Antonio Pump Station (PS-1)	No	
Wastewater Management	Sewer Network Maintenance Office	Yes	included in Bahay Toro WRF SID
Wastewater Management	Sta. Cruz Lift Station	No	
Wastewater Management	Talayan Water Reclamation Facility	No	
Wastewater Management	Talayan Lift Station (LS-1)	No	
Wastewater Management	Talayan Pump Station (PS-2)	No	
Wastewater Management	Talayan Pump Station (PS-3)	No	
Wastewater Management	Talayan Weir	No	
Wastewater Management	Tandang Sora Water Reclamation Facility and Pump Station (PS-2)	No	
Wastewater Management	Tandang Sora Pump Station (PS-1)	No	
Wastewater Management	Tandang Sora Pump Station (PS-3)	No	

	Facility	Excluded?	Reason for Exclusion
Wastewater Management	Tandang Sora Pump Station (PS-4)	No	
Wastewater Management	Tatalon Water Reclamation Facility	No	
Wastewater Management	Tatalon Pump Station (PS-1)	No	
Wastewater Management	Tatalon Pump Station (PS-2)	No	
Wastewater Management	Tatalon Lift Station (LS-2)	No	
Wastewater Management	Tatalon Lift Station (LS-3)	No	
Wastewater Management	Tondo Sewage Pumping Plant	No	
Wastewater Management	Vitas Barge Loading Facility	No	
Water Production	La Mesa Treatment Plant 1 (including guest house)	No	
Water Production	La Mesa Treatment Plant 2 (SCAA)	No	
Water Production	Putatan Water Treatment Plant 1	No	
Water Production	Putatan Water Treatment Plant 2	No	
Water Source	CPF Office	No	
Water Source	Ipo – Office Building	No	
Water Source	Ipo – Military Barracks	No	
Water Source	Ipo – Security Barracks	No	
Water Network	Aguinaldo Pump Station and Reservoir	No	
Water Network	Alabang Junction PS	Yes	Inactive
Water Network	Alazap Pump Station	No	
Water Network	Algeciras Pumping Station and Reservoir	No	
Water Network	Amlac In-line Booster	No	
Water Network	Assistant 1 In-line Booster	Yes	Standby
Water Network	Assistant 2 In-line Booster	No	
Water Network	ASV DW# 4 (St. Jude)	No	
Water Network	ASV DW#3 (Southvale)	No	
Water Network	Ayala Alabang Reservoir 1	No	
Water Network	Ayala Alabang Reservoir 2	No	
Water Network	Ayala Southvale Pump Station and Reservoir	No	
Water Network	Bacoor Pump Station and Reservoir	No	
Water Network	Baesa on-line	Yes	for decommissioning
Water Network	Baesa Pump Station and Reservoir	No	

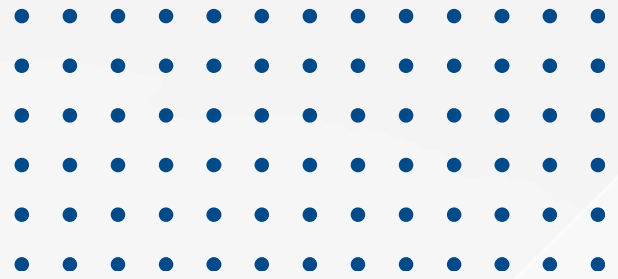
	Facility	Excluded?	Reason for Exclusion
Water Network	Bagbag Reservoir & Pumping Station	No	
Water Network	Bagong Silang Phase 10 DW	No	
Water Network	Bagong Silang Phase 9 DW	No	
Water Network	Baler In-line Booster	No	
Water Network	Binuksuk Reservoir	No	
Water Network	Bonifacio In-line Booster	No	
Water Network	Caloocan Pumping Station and Reservoir	No	
Water Network	Cherry In-line Booster w/ Reservoir	No	
Water Network	Commonwealth Pump Station	No	
Water Network	D. Tuazon Pump Station and Reservoir	No	
Water Network	Daang Hari Pump Station	No	
Water Network	Dangay In-line Booster	No	
Water Network	Del Rey III DW	Yes	Standby
Water Network	DMMA In-line Booster	No	
Water Network	Don Aguedo DW	Yes	Standby
Water Network	Don Jesus In-line Booster	No	
Water Network	Don Vicente In-line Booster	No	
Water Network	Ermita Pump Station and Reservoir	No	
Water Network	Esmeralda DW	Yes	Standby
Water Network	Espiritu Pump Station and Reservoir	No	
Water Network	Fairview # 3 Pumping and Reservoir	Yes	Inactive
Water Network	Fairview # 4 Pumping and Reservoir	Yes	Inactive
Water Network	Fairview Ruby Booster Station	Yes	Inactive
Water Network	Fatima In-line Booster	No	
Water Network	France-Germany In-line Booster	No	
Water Network	Filinvest 1 Deepwell 1	No	with power consumption for 2024
Water Network	Filinvest 2 Deepwell 3	Yes	Inactive
Water Network	Filinvest 2 Deepwell 4	Yes	Inactive
Water Network	Filinvest 2 Deepwell 5	Yes	Inactive
Water Network	Filinvest 2 Deepwell 6	Yes	Inactive
Water Network	Filinvest 2 Deepwell 7	Yes	Inactive/Standby

	Facility	Excluded?	Reason for Exclusion
Water Network	Filinvest 2 Deepwell 8	Yes	Inactive; with ongoing project
Water Network	Fuel Depot (Sangley) PSR	No	
Water Network	Good Harvest DW	Yes	Inactive/Standby; with ongoing project
Water Network	Goodwill DW	No	
Water Network	Greenview #2 DW	Yes	with ongoing project
Water Network	Greenview #3 DW	Yes	with ongoing project
Water Network	Imus Sector DW	Yes	Inactive/Standby
Water Network	J. Felipe DW	No	
Water Network	JP Ramoy Reservoir	No	
Water Network	Karuhatan In-line Booster	No	
Water Network	Kingstown Deepwell 1	Yes	for decommissioning
Water Network	Kingstown Deepwell 2	Yes	for decommissioning
Water Network	La Mesa North A Annex	No	
Water Network	La Mesa North C Annex	No	
Water Network	La Mesa Pump Station	No	
Water Network	Lebanon In-line Booster with Reservoir	No	
Water Network	Litex Pump Station and Reservoir	No	
Water Network	Ma. Cristina Pump	Yes	Inactive/Standby
Water Network	Madrigal pump	Yes	Inactive/Standby
Water Network	Magallanes In-line Booster	No	
Water Network	Magasalang 2A DW	Yes	Inactive/Standby
Water Network	Magasalang 2D DW	No	Inactive/Standby
Water Network	Magdiwang Pump Station and Reservoir	No	
Water Network	Maharlika PS	No	
Water Network	Maligaya In-line Booster	No	
Water Network	Marcos Alavrez Pump Station	No	
Water Network	Mindanao In-line Booster	No	
Water Network	Molino-Paliparan Pump Station and Reservoir	No	
Water Network	Molino DW	No	
Water Network	Molino IB	No	
Water Network	Mutual Homes 1 In-line Booster	No	

	Facility	Excluded?	Reason for Exclusion
Water Network	New Crescini DW	No	
Water Network	New Mutual DW	Yes	Inactive/Standby
Water Network	New Noveleta 4 DW	Yes	Inactive/Standby
Water Network	New Pio online booster	No	
Water Network	New Reparo In-line Booster	No	
Water Network	Novaliches Pumping Station and Reservoir	No	
Water Network	Noveleta Pump Station and Reservoir	No	
Water Network	Pagcor Pump Station and Reservoir	No	
Water Network	Pamahay Homes DW	Yes	Inactive/Standby
Water Network	Pandawan DW	No	
Water Network	Parkland In-line Booster	No	
Water Network	Pasay Pumping Station and Reservoir	No	
Water Network	Patindig Araw Pump Station	No	
Water Network	Poblacion DW	Yes	for decommissioning, no power consumption for 2021
Water Network	Port San Felipe In-line booster w/ Reservoir	No	
Water Network	President In-line Booster	No	
Water Network	Primary Network (old maintenance office in LMTP)	No	
Water Network	Putatan 1 PSR (Booster 1-6, 9)	No	
Water Network	Putatan 2 PSR (Booster 7, 8, 10)	No	
Water Network	R. Valenzuela In-line Booster	No	
Water Network	Rainbow	Yes	for decommissioning
Water Network	Remarville In-line Booster	No	
Water Network	Reparo In-line Booster	No	
Water Network	Rivero DW	No	Standby
Water Network	Rockville 2 DW	No	
Water Network	Sacred Heart Pump Station and Reservoir	No	
Water Network	Sacred Heart Reservoir	No	

	Facility	Excluded?	Reason for Exclusion
Water Network	Sampaguita In-line Booster	No	
Water Network	Saranay In-line Booster	No	Inactive
Water Network	Severina In-line Booster	No	
Water Network	South Greenheights In-line Booster	No	
Water Network	Southvale Deepwell 3	Yes	Inactive
Water Network	Southvale Deepwell 4	Yes	Inactive
Water Network	Sta. Quiteria In-line Booster	No	
Water Network	Sunriser In-line Booster	No	
Water Network	Tamaraw In-line Booster	No	
Water Network	Tanada DW	No	
Water Network	Tandang Sora In-line Booster	No	
Water Network	Tirona (Toclong Pump Station and Reservoir)	Yes	no operations in 2024
Water Network	Tondo Pumping Station and Reservoir	No	
Water Network	Torresville In-line Booster	No	
Water Network	University In-line Booster	No	
Water Network	Versailles PSR	No	
Water Network	Victoria Homes Pump Station and Reservoir	No	
Water Network	Villa Gracia	Yes	for decommissioning
Water Network	Villamor Pump Station and Reservoir	No	
Water Network	Vitas 1 Mini Booster	No	
Water Network	Vitas 2 Mini Booster	No	
Water Network	WNET Office	No	





MAYNILAD

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