

# AMBITIOUS CITY PROMISES

Engaging citizens. Driving climate action.

## City Profile: Marikina City (Philippines)

IKI Ambitious City Promises project

As of 12 December 2017



## City Overview

Marikina City cradles approximately 451,000 people and lies in a valley; just next to a river. Marikina's economy is dependent on industries.

Considered as the Shoe Capital of the Philippines, Marikina is geared toward securing the city's economic development through nurturing infant industries and home-grown enterprises. Investments in the city are encouraged through streamlining business processes, prioritizing business automation through a wireless integrated network system, and optimizing resources for better infrastructures such as access roads, bikeways, pedestrian-friendly sidewalks and others.

<b>Population</b>	543,307 (2015)
<b>Area (km<sup>2</sup>)</b>	23.14
<b>Main geography type</b>	Inland
<b>Main economy sector</b>	Tertiary sector (services)
<b>GHG emissions (tCO<sub>2</sub>e)</b>	719,269 (2013)
<b>Governor</b>	Marcelino Teodoro
<b>No. of gov. employee</b>	2,167

## GHG emissions

In the City's GHG inventory report with 2013 as base year, the energy sector accounted for 59.99% of the city's emissions consisting of electricity consumption as well as stationary fuel use by the residential and commercial sectors. The transport sector emitted 24.45% of the city's emissions while the waste sector (solid waste and wastewater) contributed to 15.56%.

Owing to Marikina City being host to a number of commercial establishments as well as heavy electricity consumption of residents, total emissions from the city's energy sector amounted to 431,508.41 tCO<sub>2</sub>e. This comprised of emissions due to electricity consumption of different sectors as well as stationary fuel use of the residential and commercial sectors. The waste sector of Marikina emitted a total of 111,903 tCO<sub>2</sub>e, with emissions from wastewater contributing around 83% while solid waste's share was about 16%.

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Fuel combustion for transportation purposes emits a substantial amount of GHG emissions. Based on surveys conducted in Marikina City and using reported fuel consumption, the transportation sector was found to emit a total of 175,858 tCO<sub>2e</sub>. Considering that Marikina City is a fairly small but highly-urbanized LGU, emissions from the transportation sector is not that high compared with other big cities in Metro Manila. This can be attributed to the local ordinance on incentivizing the use of bicycles, where any resident of Marikina that uses a bicycle can avail of tax reduction. The city is also envisioned to become more bicycle-friendly with the construction of several bicycle lanes throughout the city.

## Targets and actions

To date, Marikina City has implemented initiatives on establishing **rainwater harvesting facilities** in government facilities and school buildings, **implementing bikeways program** to promote the use of bicycle as means of transport, installation of pumping station, construction and operation of wastewater treatment facilities and others. Its inclusion in the Ambitious City Promises project will allow continuity and further integration of its existing low-carbon initiatives in its overall development plan.



Innovative practices and programs geared towards environmental protection and management, in partnership with the people, have been the keys in improving the city's level of livability and competitiveness. The city's Solid Waste Management Program is highly competitive as Garbage Transfer Stations and Material Recovery Facilities were put in place to maintain a high garbage collection efficiency rate of 99%. The households are educated on proper waste management and reduction and implement waste segregation scheme. On sanitation, the government, in partnership with the Manila Water Company, Inc., instilled the importance of proper construction and regular desludging of septic tanks to residents.

## Initiatives and awards

As a Compact-Committed city, Marikina has demonstrated strong political will and active participation in projects that aid the local government in achieving its goals towards sustainability. Marikina City spearheaded the planting of 6,000 hardwood seedlings and 2,000 Robusta Coffee saplings as part of the re-greening and rehabilitation of the Marikina Watershed in partnership with the Department of Environment and Natural Resources, private sector, academe, NGOs, and civic groups.

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