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ASIA CLEAN BLUE SKIES PROGRAM | KNOWLEDGE SHARING EVENT

STRATEGIES FOR IMPLEMENTATION OF LOW EMISSION ZONES IN ASIA

MAY 8 - 9, 2024 | 9:30 - 16:00 (GMT +7)
BANGKOK, THAILAND

Join via Zoom: https://bit.ly/KSE_LEZinAsia



Initiatives in Pasig City

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Pasig City

- The City of Pasig is one of the 16 cities and 1 municipality comprising the Metropolitan Manila area
- Was the capital of the Province of Rizal until the creation of Metropolitan Manila in 1975
- In December 1994, by virtue of Republic Act 7829, Pasig acquired its cityhood status as a highly urbanized City
- Has an aggregate area of 34.32 sq. km.
- Consists of thirty (30) barangays



Pasig Climate and Population

Climate

- Has a tropical and maritime climate
- High humidity (between 71% and 85%)
- Has a mean annual temperature of 26 degree Celsius
- Receives a mean annual rainfall of 965 to 2064 mm



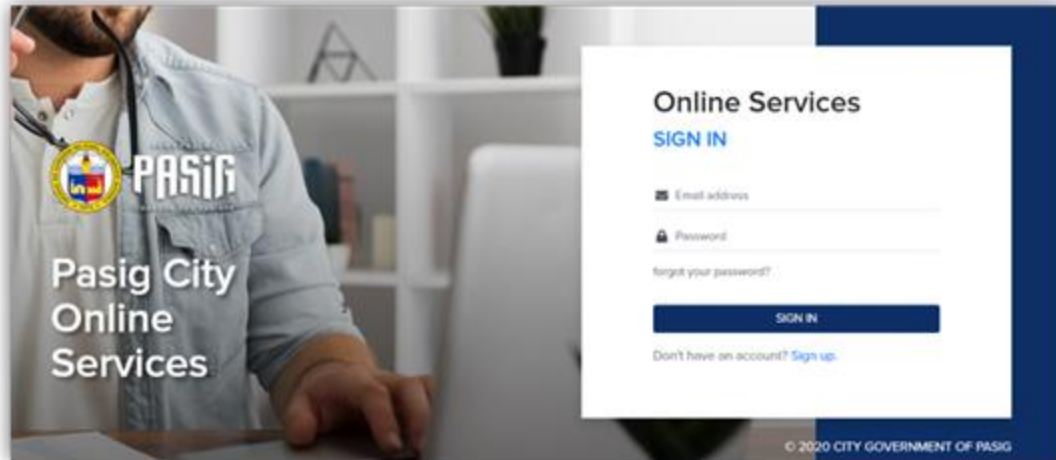
Population

- Has a population of around 803,000 (2020 Census)
- Approximately 6% of Metro Manila's total population (13.4 mil.)
- 5th in terms of population size in Metro Manila
- Population increase of 133,386 over a period of 10 years
- Has an annual population growth rate of 1.83%



Pasig City Business and Investment Economy

- Adjudged Most Business Friendly City by the Philippine Chamber of Commerce and Industry(2022)
- Special Citation - 2020, 2021, 2023
- Ranked 9th Overall in the Cities and Municipalities Competitiveness Index (4th in Government Efficiency Pillar)

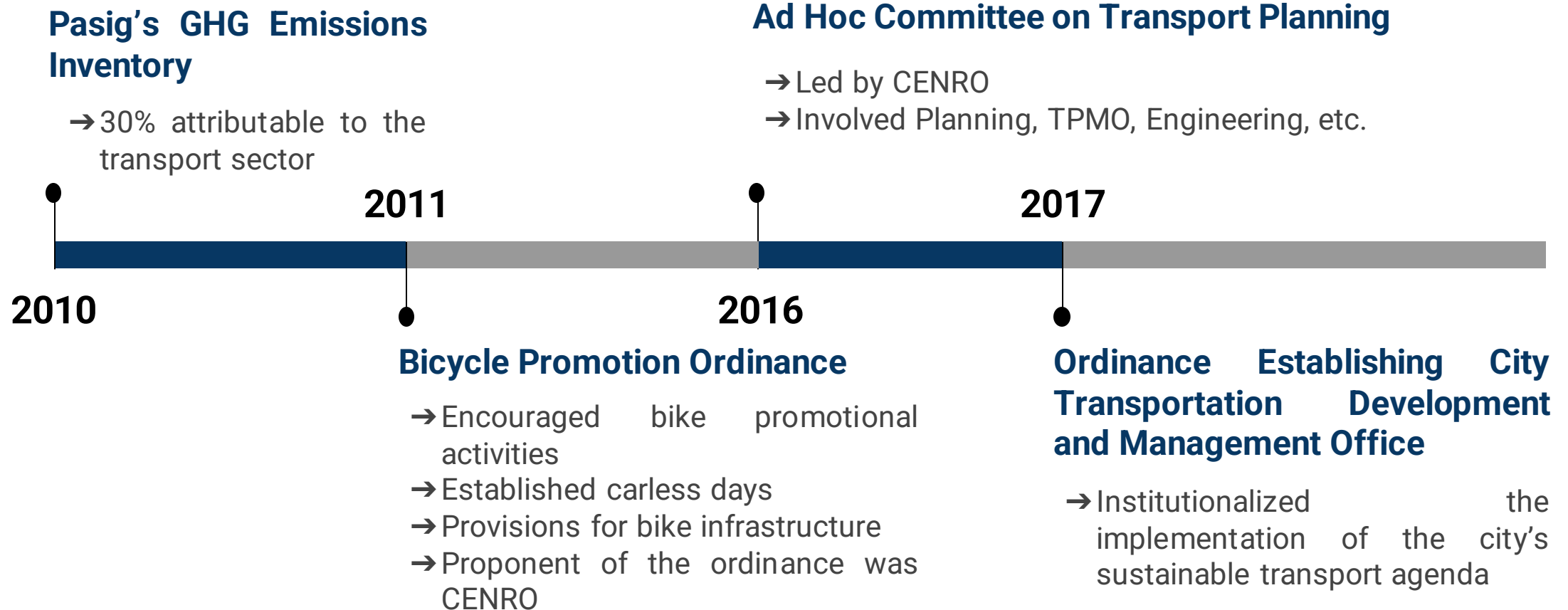


Pasig Road Network and Transportation

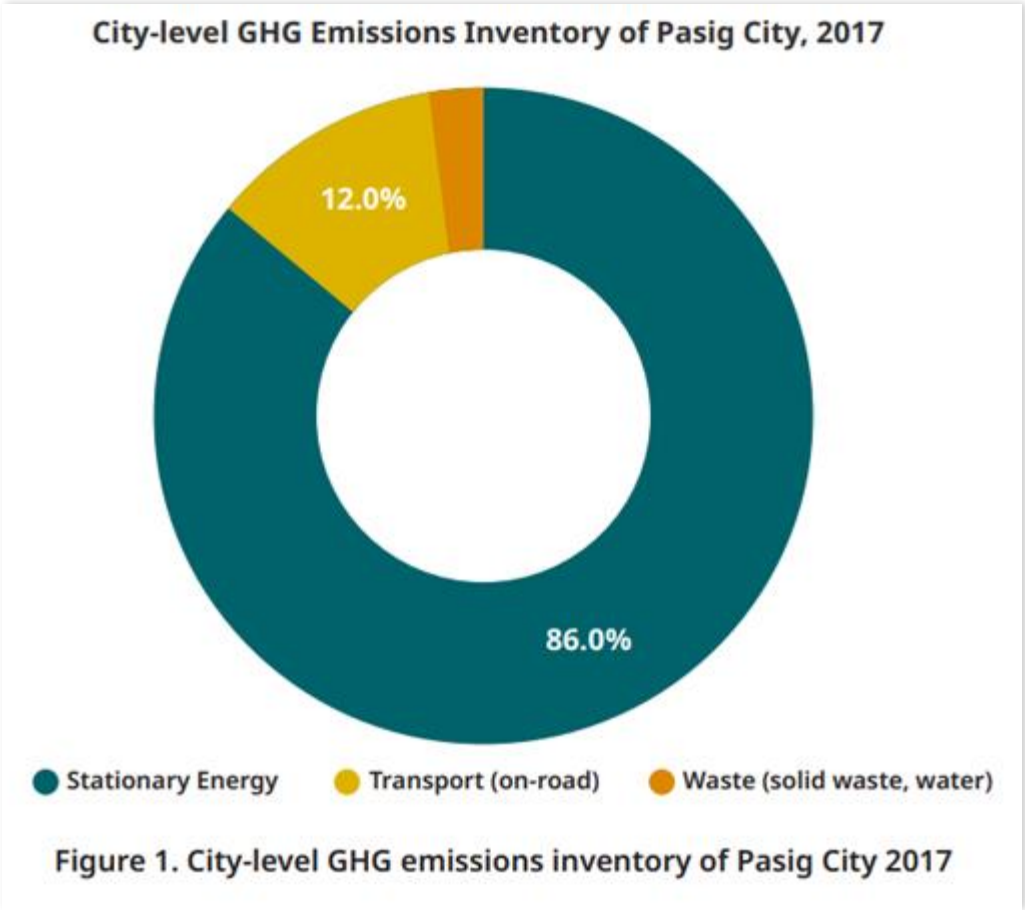
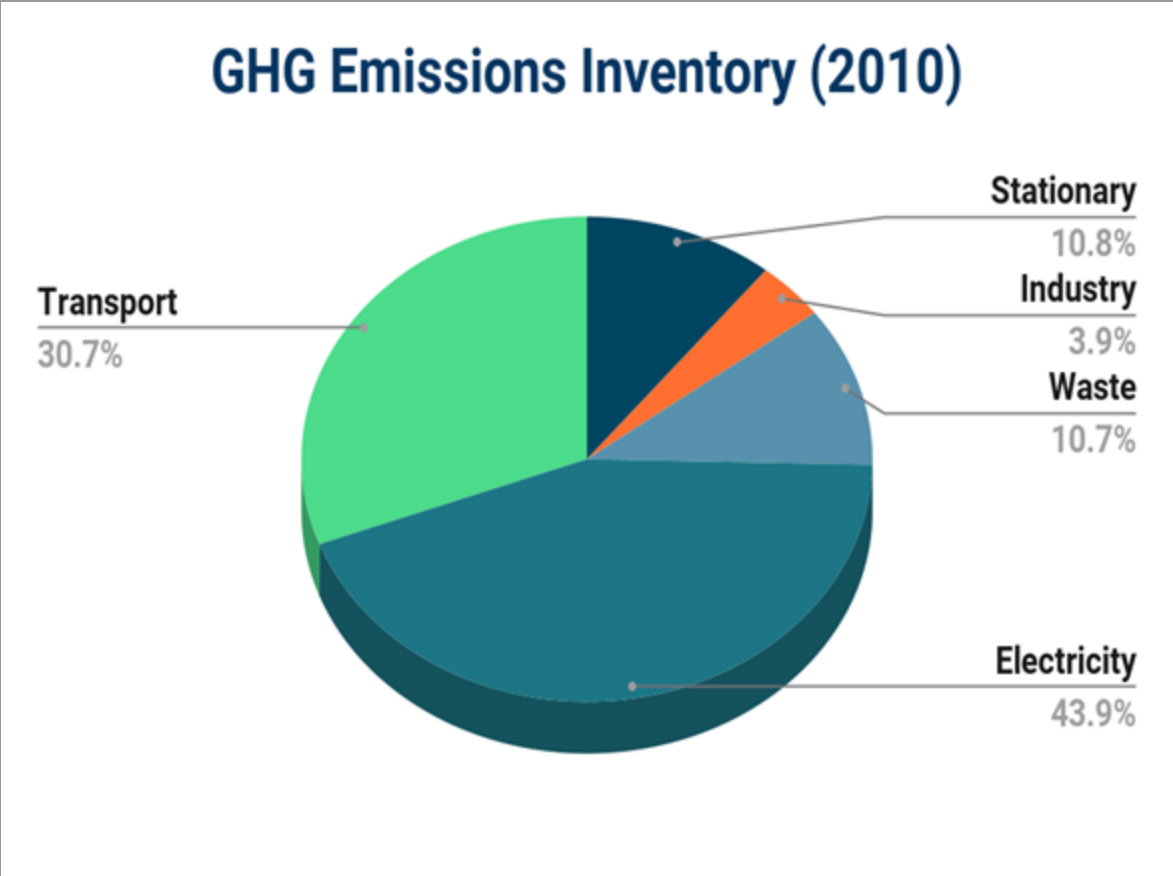
- Pasig's road network is a composite of national (arterial), collector and local roads
- Links to Metro Manila and province of Rizal
- The most common means of travel using public transport is by public utility jeeps (PUJs) for travel within and outside the city, and tricycles for in-city travel



Timeline of Pasig Policy Issuances



GHG Emissions Inventory



People's Streets

- “Carless Sundays:” Started with two streets: Emerald Avenue and Caruncho Avenue in 2011
- Expanded to 6 streets in 2022 and rebranded as People’s Streets
- This happens every Sunday, with the original Emerald Avenue expanding to Saturdays and Sundays



1. STA. ROSA
2. SUMILANG
3. BAGONG KATIPUNAN
4. SAN JOSE
5. KAPASIGAN
6. SAGAD
7. STA. CRUZ
8. STO. TOMAS
9. SAN NICOLAS



People's Streets

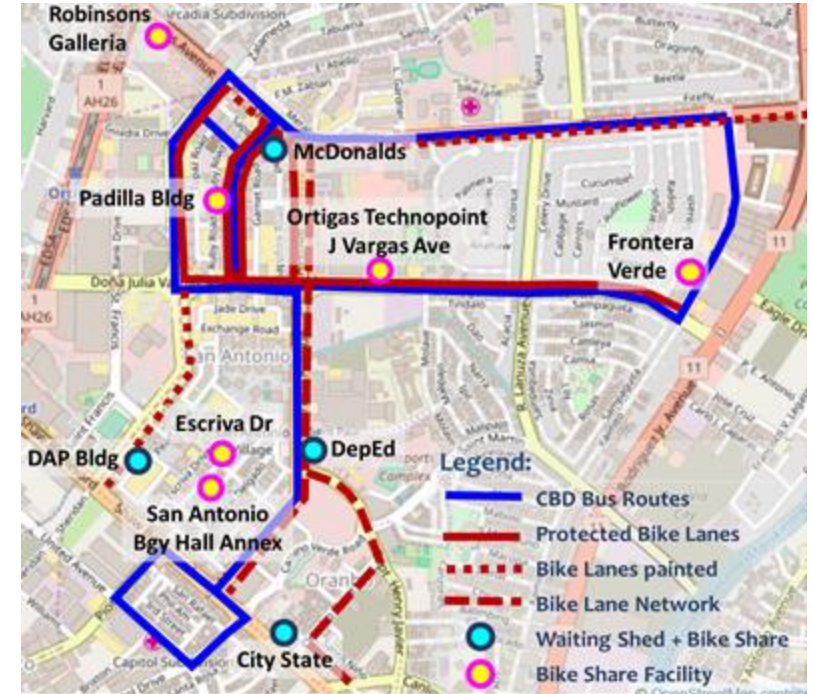


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Bike Sharing

- Launched in 2018
- 10 stations in Commercial Business District
- Bikes repurposed during pandemic to give free transport to government frontliners
- Plans to relaunch as dockless system



Tricycle Upgrading 2016

- Banning of two-stroke tricycles in favor of four-stroke tricycles
- Incentives for adopting e-tricycles
- Batteries and charging technology were still in infancy in 2016 (plans for booking app for 2024)
- E-trike adopters eventually reverted to four-stroke tricycles
- Currently Pasig has over 13,000 registered internal combustion tricycles

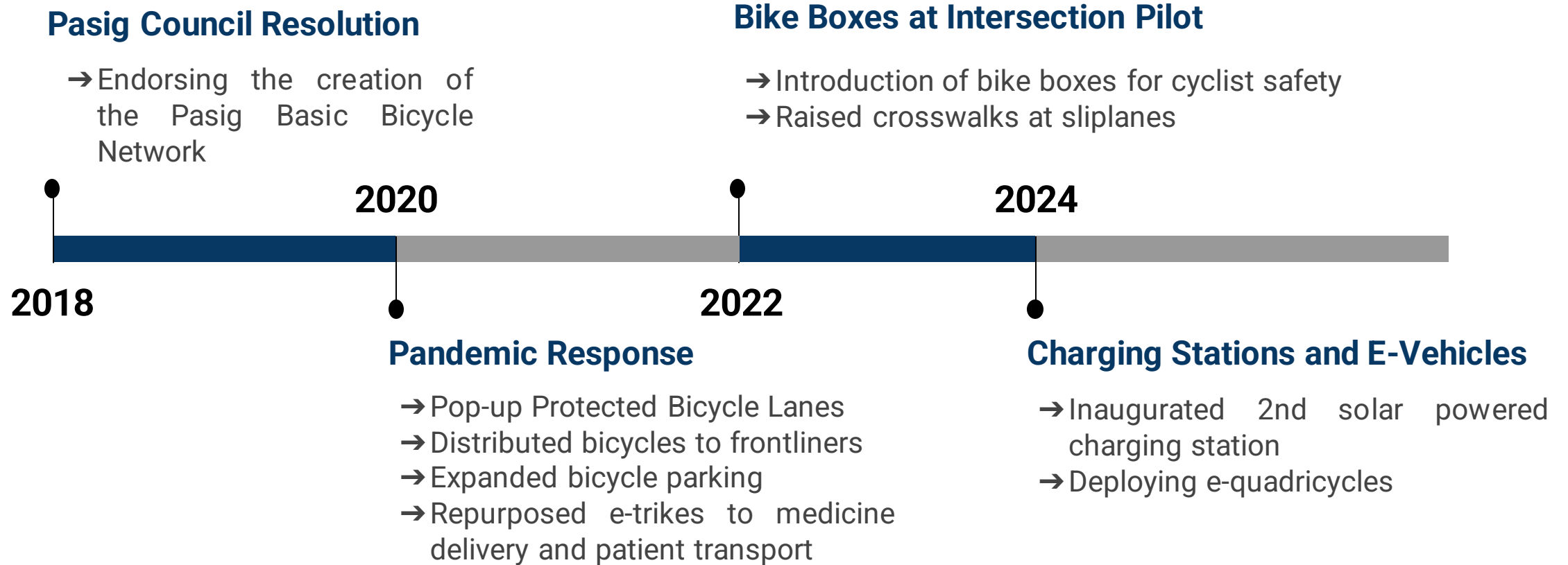


Free Bus Service (Libreng Sakay)

- A few experimental routes in the Commercial Business District in 2015
- Started with 8 buses (24 seater), Euro IV
- Expanded to a fleet of 18 buses by 2017
- Currently running 4 fixed routes within the city
- Mondays to Fridays, from 5 am to 8 pm
- Free and open to all

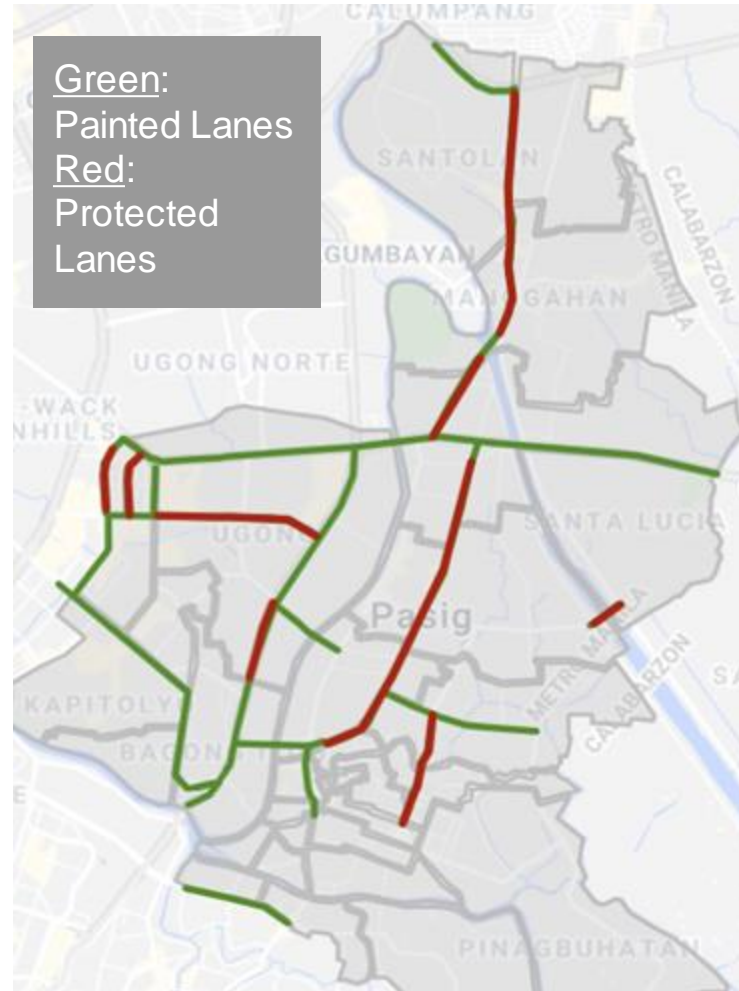


Timeline

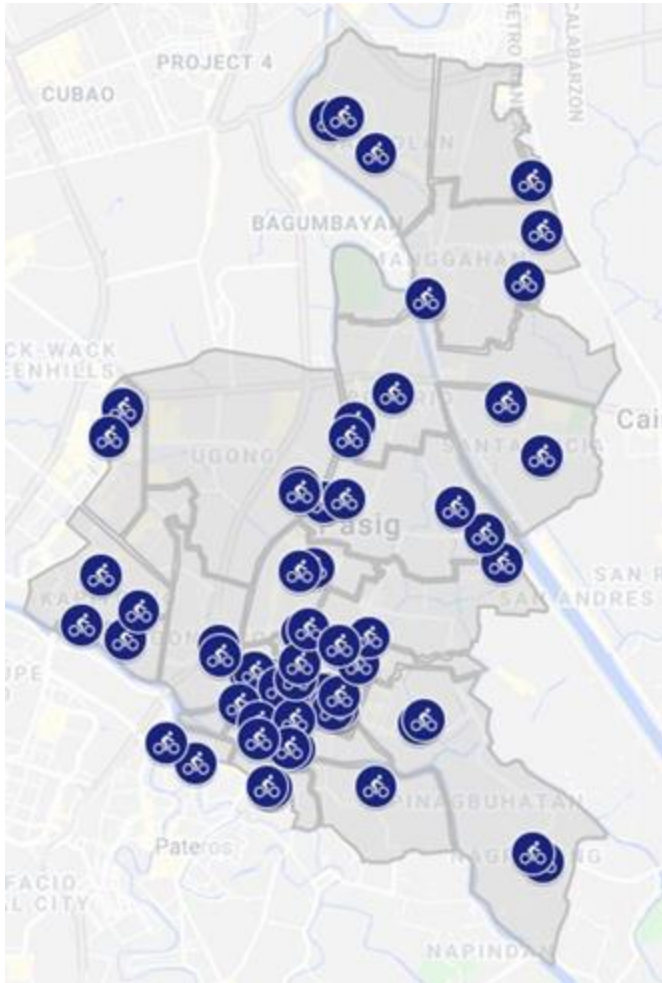


Bicycle Lanes (Painted and Protected)

- Currently 57 km of painted cycle lanes
- During the pandemic, a total of 27 km protected cycle lanes were created
- After the pandemic, the protected cycle lanes were reduced to 17 km



Bicycle Parking



- Added 272 bicycle racks around City Hall, Barangay Halls, and schools, resulting in 1,088 additional bicycle parking slots



Bike Boxes at Intersection (Pilot)

- Originally an oval-shaped roundabout in the 1980s
- Was removed and closed to cross traffic in the 2000s
- Re-opened in 2020 with a new design with city government consultations through private initiative and funding.
- Features bike boxes and raised crosswalks at slip lanes



Free Bicycle Lessons

- As soon as restrictions were lifted, conducted free bicycle lessons for all ages.
- Held during People's Street



**FREE BIKE LESSONS
SA EMERALD AVE.**

Brgy. San Antonio People's Street
April 27, 2024 | Saturday
07:00AM - 11:00AM

No registration required.

Individuals interested to avail of the free bike lessons who already have helmets are requested to bring their own helmets on Saturday.

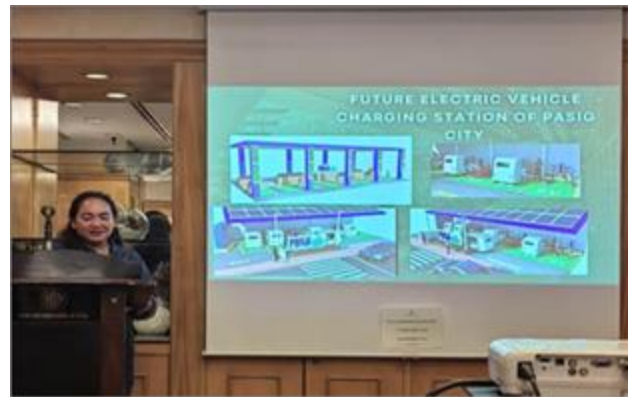


E-vehicles

- In 2019, the City received 200 new generation e-tricycles from Department of Energy
- 30 units were retained for local government use
- 270 units were distributed among schools and homeowners' associations for shuttle service
- During the pandemic, almost all units were repurposed for medicine delivery and patient transport



E-vehicles



E-quadricycle with trailer loaded with e-bicycles

- Currently deploying newest version of e-vehicle, the e-quadricycle
- Funded by the European Commission through the SolutionsPlus project with Clean Air Asia
- Developed and assembled by local Philippine advisors and manufacturers

Solar Charging Stations

- Initial station was established in 2020 with assistance from UNEP and Clean Air Asia
- 2nd station was inaugurated this 2024 with assistance from UNDP









Thank you!

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