



**BUILDING PATHWAYS TOWARDS LOW
EMISSION, CLIMATE RESILIENT
DEVELOPMENT IN PASIG**

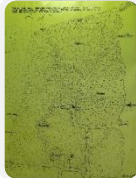
Pasig City

30 barangays

Established in 1573

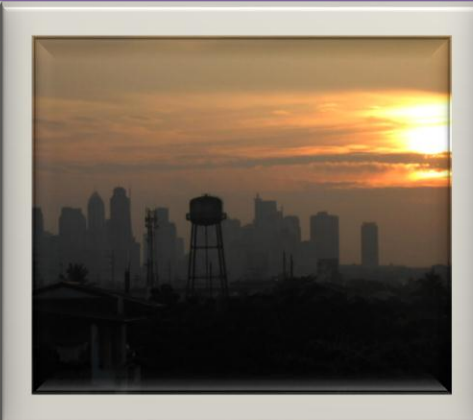
Highly urbanized city: 1994

Population: almost 770k





Industrialization = Pollution



70%

**Air Pollution in
Metro Manila**



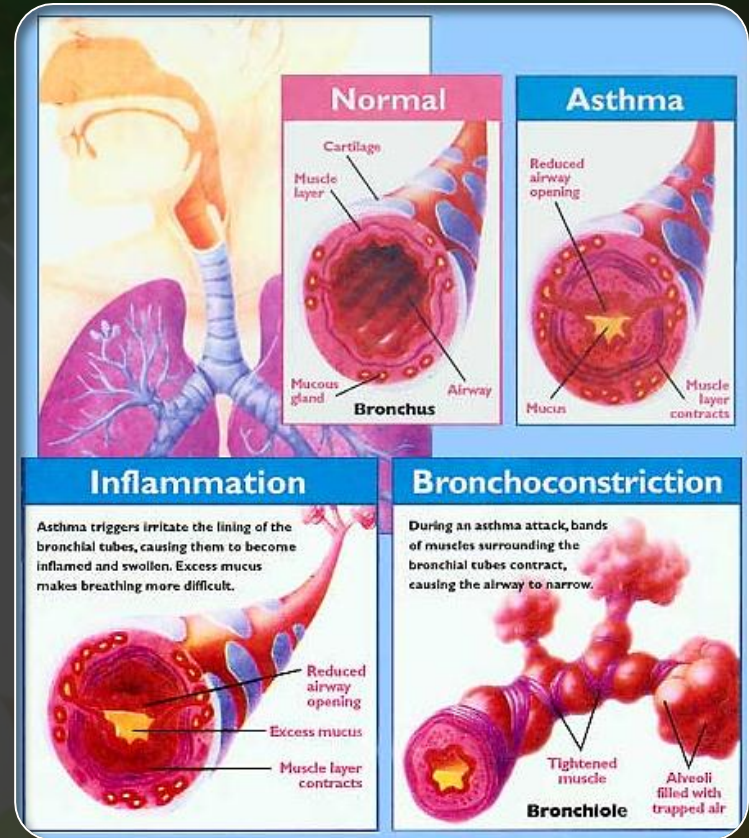
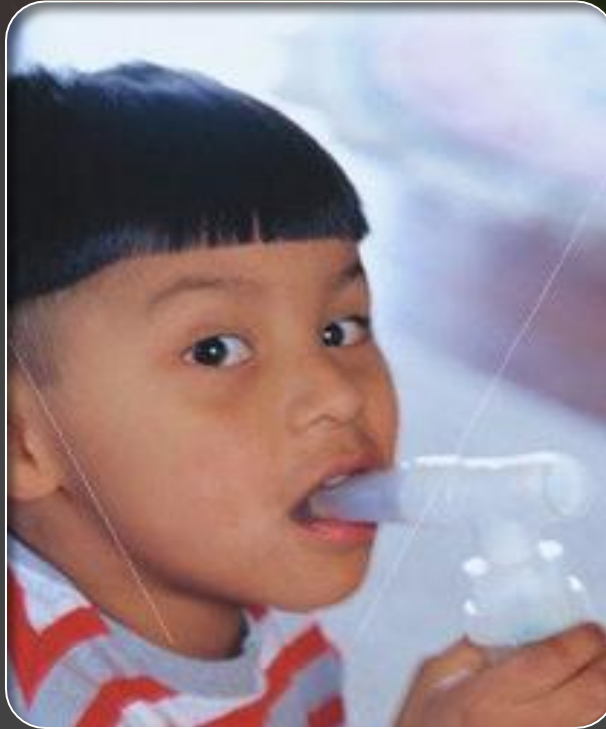
60%

**Air Pollution in
Pasig City**





CLEAN AIR
ASIA



Philippines : Asthma

| deaths | % | rate | World rank |
|--------|------|-------|------------|
| 10,471 | 2.48 | 19.48 | 24 |

www.worldlifeexpectancy.com/philippines-asthma



CLIMATE CHANGE





**PASIG CITY DURING
TYPHOON 'ONDOY'
(TYPHOON KETSANA)
2009**





The **PASIGUENO** spirit is
stronger than any typhoon

The background of the slide is a collage of various green and purple leaves and flowers, creating a natural and vibrant aesthetic. The text is centered and reads:

**GREEN HOUSE GAS
EMISSION
(Community Level)**

EMISSION SOURCES

- **Electricity**
- **Transportation**
- **Waste**
- **Stationary**
- **Industry**



ELECTRICITY

| | kWh | MWh | tCO ₂ e |
|---------------|----------------------|------------------|--------------------|
| Residential | 366,622,989 | 366,623 | 190,351 |
| Commercial | 656,156,578 | 656,157 | 340,676 |
| Industrial | 348,973,634 | 348,974 | 181,187 |
| Street lights | 3,358,939 | 3,359 | 1,744 |
| TOTAL | 1,375,112,140 | 1,375,112 | 713,958 |

TRANSPORTATION

| Classification | Data | tCO ₂ e |
|----------------|--------------|--------------------|
| 95 ron | 24,807,503 L | 52,277.85 |
| 93 ron | 69,073,409 L | 149,655.90 |
| 81 ron | 979,126 L | 2,099.60 |
| Diesel | 79,143,849 L | 214,504.87 |
| Kerosene | 1,198,720 L | 3,054.87 |
| LPG | 139,057 kg | 77,350.25 |
| TOTAL | | 498,943 |

WASTE

SOLID WASTE

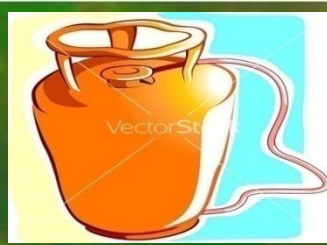
110,571 tons of
waste
129,899 tCO₂e

WASTE WATER

669,773 total
population
43,863.27 tCO₂e

173,762.27 total of tCO₂e

STATIONARY



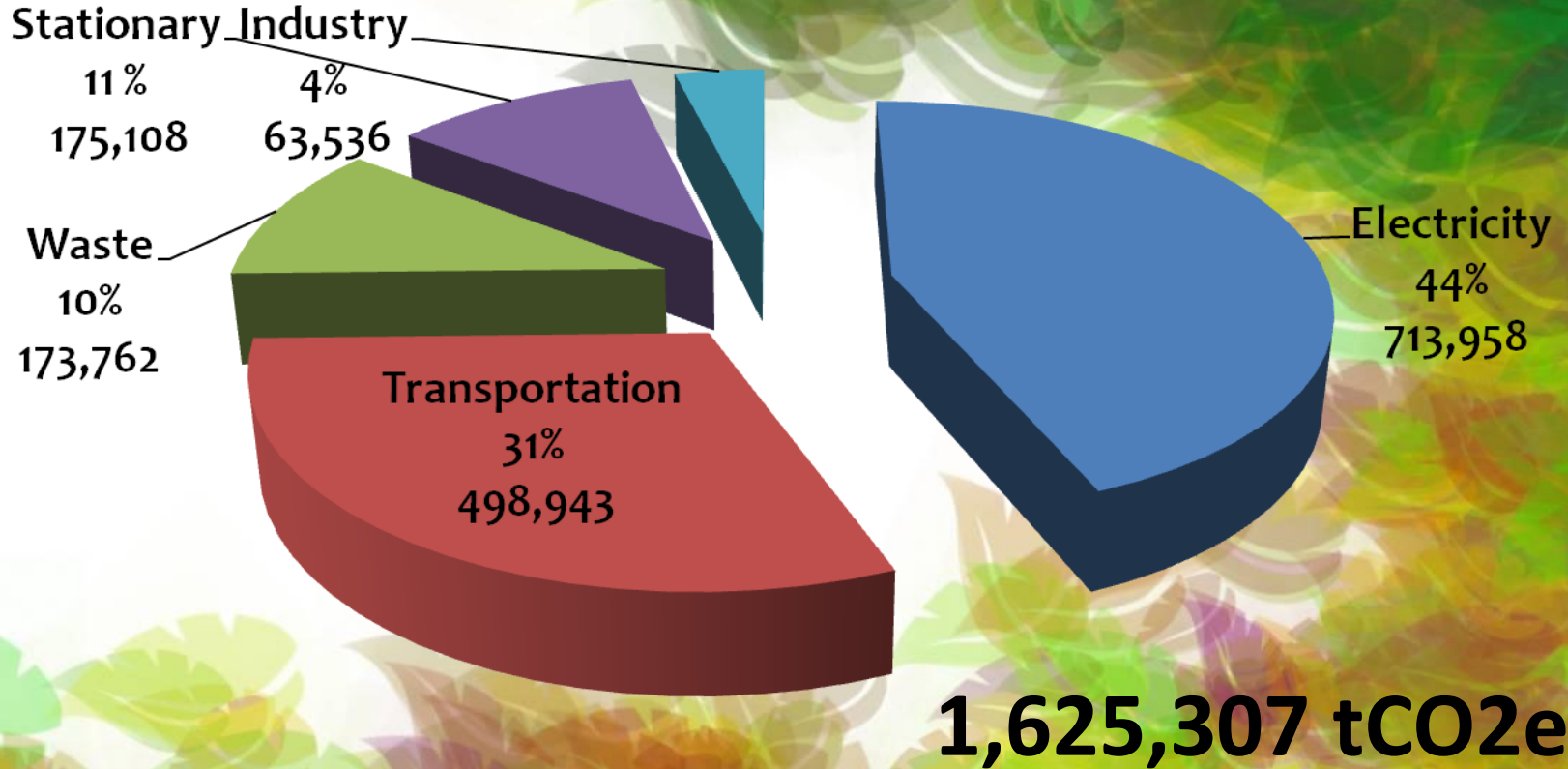
| | Residential | Commercial | tCOe |
|---------------|-------------|------------|------------------|
| LPG (kg) | 12,801,956 | 34,741,989 | 148,114.68 |
| Charcoal (kg) | 21,093,117 | 7,944,782 | 3,863.34 |
| | Industrial | | |
| Fuel Oil (L) | 6,280,220 | | 19,028.56 |
| Coal (kg) | 1,045 | | 2.40 |
| Diesel (L) | 1,505,912 | | 4,098.79 |
| TOTAL | | | 175,107.8 |



INDUSTRY



SUMMARY OF EMISSION



APPROVED PASIG CITY LOCAL CLIMATE CHANGE ACTION PLAN : A CONVERGENCE OF MITIGATION AD APTATION 2016-2026




**Pasig City Local Climate
Change Action Plan
(LCCAP):
A Convergence of
Mitigation and Adaptation
2016-2026**



RESOLUTION NO. 138-2017

RESOLUTION ADOPTING THE PASIG CITY LOCAL CLIMATE CHANGE ACTION PLAN (LCCAP) 2016-2026


Republic of the Philippines
SANGUNIANG PANLUNGSOD
City Government of Pasig

Resolution No. 138
Series of 2017

RESOLUTION ADOPTING THE PASIG CITY LOCAL CLIMATE CHANGE ACTION PLAN (LCCAP) FOR 2016-2026.

Author(s): COUN. ALEJANDRO E. SANTIAGO
Co-Author(s): COUNCILORS WILFREDO F. SITYAR, RODRIGO B. ASILO, FERDINAND A. AVIS, REGINO S. BALDERRAMA, ORLANDO R. BENITO, RHICHIE GERARD T. BROWN, MARIO C. CONCEPCION, JR., ROSALIO D. MARTIRES, CORAZON M. RAYMONDO, GREGORIO P. RUPISAN, JR., VICTOR MA. REGIS N. SOTTO and LIGA PRES. CELESTINO U. CHUA

WHEREAS, recognizing that climate change and disaster risk reduction are closely interrelated, Pasig City's programs and initiatives shall systematically integrate the concept of climate change in various phases of policy formulation, development plans, poverty reduction strategies and other development tools and techniques by all agencies and instrumentalities of the government including the active participation of the private sector, the academe and civil society groups;

WHEREAS, Republic Act No. 9729, also known as the Climate Change Act of 2009 designates the Local Government Units as the front line agencies in the formulation, planning and implementation of climate change actions plan in their respective areas, consistent with the provisions of the local government code, framework strategy and program on climate change and the national climate change act;

WHEREAS, Executive Order 774 also known as "Reorganizing the Presidential Task Force on Climate Change", to reduce the consumption of fossil fuels, the Department of Transportation and Communications (DOTC) shall lead a Task Group to reform the transportation sector. The new paradigm in the movement of men and things must follow a simple principle: "Those who have less in wheels must have more in road." For this purpose, the system shall favor non-motorized locomotion and collective transportation system (walking, bicycling, and the man-powered mini-train);

WHEREAS, in compliance with the aforesaid mandate takes preliminary initiatives on climate change actions plans and programs through the implementation and sustainability of the Pasig Green City Program which won the 2010 Galing Pook Award for environment to necessarily meet the terms as prescribed by the Climate Change Act of 2009;

WHEREAS, the City Environment and Natural Resources Office (CENRO), having been designated by the local chief executive as the lead local government office to instigate the planning and implementation of Local City Climate Change Action Plans,

Handwritten signatures and initials are present on the document, including names like R.V. Serrano, C. P. Serrano, and others.



Republic of the Philippines
SANGGUNIANG PANLUNGSOD
 City Government of Pasig

has commenced on grounding the City Climate Change Action Plan in corroboration with the Philippine League for Local Environment and Natural Resources Officers, Inc. (PLLENRO) and U.S Agency for International Development (USAID) through climate change and clean energy project;

WHEREAS, the existing 2012-2022 Local Climate Change Action Plan was revisited and updated to include mitigation plans to reduce waste, electricity consumption, and carbon dioxide from transportation sector towards low carbon development;

NOW THEREFORE, be it resolved, as it is hereby resolved, that the Pasig City Local Climate Change Action Plan formally and officially endorse favorably Pasig City Local Climate Change Action Plan 2017-2027 for adoption by the Sangguniang Panlungsod;

BE IT RESOLVED, that the final copies of the approved Pasig City Local Climate Change Action Plan 2017-2027 be furnished all the members of the Pasig City Climate Change and Greenhouse Gas Management Council as guidelines for all the climate change efforts of the barangays and all non-government agencies and organization in the city;

RESOLVED FURTHER that the City Government is mandated to appropriate the necessary funds in order to implement whatever programs and plans of the Pasig City Local Climate Change Action Plan;

RESOLVED FURTHERMORE, that the City Chief Executive as Chairman of the City Climate Change and GHG Management Council is hereby authorized to enter into any contract that maybe necessary and essential in behalf of the City Government in the implementation of these Pasig City Local Climate Change Action Plan.

APPROVED this ^{08th} day of June 2017 at Pasig City.

Alm/conn
VICTOR MA. REGIS N. SOTTO
 Councilor

concepcion
RODRIGO B. ASILO
 Councilor

Gregorio P. Rupisan Jr.
GREGORIO P. RUPISAN JR.
 Councilor

Mario C. Concepcion, Jr.
MARIO C. CONCEPCION, JR.
 Councilor

Richie Gerard T. Brown
RICHIE GERARD T. BROWN
 Councilor

Orlando R. Benito
ORLANDO R. BENITO
 Councilor



Republic of the Philippines
SANGGUNIANG PANLUNGSOD
 City Government of Pasig

Alejandro E. Santiago
ALEJANDRO E. SANTIAGO
 Councilor

Corazon M. Raymundo
CORAZON M. RAYMUNDO
 Councilor

Regino S. Balderrama
REGINO S. BALDERRAMA
 Councilor

Rosalio D. Martires
ROSALIO D. MARTIRES
 Councilor

CELESTINO U. CHUA
 LIGA President

Fernand A. Avis
FERNAND A. AVIS
 Councilor
 Minority Floor Leader

Wilfredo F. Sityar
WILFREDO F. SITYAR
 Councilor
 Majority Floor Leader

Attested by:

Ivo Christian C. Bernardo
IVO CHRISTIAN C. BERNARDO
 City Vice-Mayor
 Presiding Officer

APPROVED:

Robert C. Eusebio
ROBERT C. EUSEBIO
 City Mayor

Attested by:

Reynaldo R. San Buenaventura III
REYNALDO R. SAN BUENAVENTURA III
 Acting City Council Secretary

Orlando R. Benito

Victor

EXECUTIVE ORDER NO 8 - 2017

AN EXECUTIVE ORDER CREATING THE CLIMATE CHANGE AND GREENHOUSE GAS MANAGEMENT COUNCIL IN THE CITY OF PASIG



Pasig City... One direction towards a brighter vision
Office of the City Mayor

EXECUTIVE ORDER NO. 08
Series of 2017

AN EXECUTIVE ORDER CREATING THE CLIMATE CHANGE AND GREENHOUSE GAS MANAGEMENT COUNCIL IN THE CITY OF PASIG, DEFINING ITS COMPOSITION, DUTIES AND RESPONSIBILITIES, MEETINGS AND FOR OTHER PURPOSES.

WHEREAS, recognizing that climate change and disaster risk reduction are closely interrelated and effective disaster risk reduction will enhance climate change adaptive capacity, Pasig City shall integrate disaster risk reduction into climate change program and initiatives and systematically integrate the concept of the climate change in various phases of policy formulation, development plans, poverty reduction strategies and other development tools and techniques by all agencies and instrumentalities of the government including the active participation of the private sector, the academe and civil society groups;

WHEREAS, Republic Act No. 9729, also known as the climate change act of 2009, designates the Local Government Units as the front line agencies in the formulation, planning and implementation of climate change actions plan in their respective areas, consistent with the provisions of the local government code, framework strategy and program on climate change and the national climate change act;

WHEREAS, Executive Order 774 also known as "Reorganizing the Presidential Task Force on Climate Change", to reduce the consumption of fossil fuels, the Department of Transportation and Communications (DOTC) shall lead a Task Group to reform the transportation sector. The new paradigm in the movement of men and things must follow a simple principle: "Those who have less in wheels must have more in road." For this purpose, the system shall favor non-motorized locomotion and collective transportation system (walking, bicycling, and the man-powered mini-train).

WHEREAS, Pasig City, Manila, in compliance with the aforesaid mandate takes preliminary initiatives on climate change actions plans and programs through the implementation and sustainability of the Pasig Green City Program which won the 2010 Galing Pook Award and 2013 International Liveable Community Awards for environment to necessarily meet the terms as prescribed by the Climate Change Act of 2009;

WHEREAS, the City Environment and Natural Resources Office (CENRO), having been designated by the Local Chief Executive as the lead local government office to instigate the planning and implementation of City Climate Change Action Plans, has commenced on grounding the City Climate Change Action Plan in corroboration with the Philippine League for Local Environment and Natural Resources Officers, Inc. (PLLENRO), International Council for Local Environmental Initiatives (ICLEI) and U.S Agency for International Development (USAID) through climate change and clean energy project.

WHEREAS, to effectively prepare and implement the Pasig City Climate Change Action Plan, a City climate change and Greenhouse Gas Management Council, a group that shall directly work and attend to the activities and pursuits relative to the programs,

policies and provisions on climate change and greenhouse gas reduction through energy planning, must be created;

NOW THEREFORE, I, ROBERT C. EUSEBIO, Mayor of Pasig City, by virtue of the powers vested in me as the Local Chief Executive, do hereby create the Climate Change and Greenhouse Gas Management Council in the City of Pasig.

SECTION 1. Composition of Pasig City Climate Change and Greenhouse Gas Management Council:

- | | | |
|--------------------------|---|---|
| Chairperson | : | Hon. Robert C. Eusebio City Mayor |
| Executive Officer | : | Raquel C. Austria-Naciongayo CENRO |
| Co-Chairperson | : | Hon. Alejandro E. Santiago Chairperson, Committee on Ecology and Environmental Protection |
| Members | | |
| Local Government Sector: | | |
| | | Mr. Allendri B. Angeles OIC, SWMO |
| | | Engr. Hermogenes N. Lerio OIC, Engineering Department |
| | | Mr. Ritchie Van C. Angeles DRRMO |
| | | Hon. Celestino U. Chua ABC President |
| | | Ms. Ma. Theresa B. Hernandez Chief, Business Permit and License Office |
| | | Mr. Virgilio M. Intalan City Planning Development Office |
| | | Dra. Georgiana S. Galutera City Health Officer |
| | | Ms. Ignacia M. Sanchez Health Education Promotion Officer |
| | | Ms. Carmela F. Gorteza OIC, Tricycle Operation and Regulatory Office |
| | | Mr. Reynaldo C. Caseñas Asset Management Division, GSO |

Irene R. Chan
OIC, Procurement and Pricing Division, GSO

All Team Leaders, Mayor's Task Force on Climate Change

- | | | |
|-----------------------------|---|--|
| National Government Sector: | | Representative, Division Superintendent of Schools, DepEd Representative, DENR-EMB-NCR Representative, Climate Change Commission Representative, DOTR Representative, LTRFB Representative, DOST-ITDI Representative, Department of Energy (DOE) Representative, MMDA |
| | | In order to effectively respond to Climate Change through GHG Accounting and Management at the city and community level, the following business establishments and representatives from other sectors shall assist in the conduct of Pasig City's GHG inventory, reduction and management every five years or as need arises. |
| Private Sector | : | Representative, Meralco Representative, Benpres Building Representative, SM Hypermart Representative, OCAI, Inc. Representative, DMCI Homes Representative, Pasig Chamber of Commerce and Industry Representative, Asahi Glass, Philippines Representative, Universal Robina Corporation Representative, Rockwell Land Corporation Representative, IPM Group of Companies Representative, The Medical City Representative, Manila Water Inc. Representative, Robinsons Galleria Representative, OCLP Representative, Quick Service Restaurant Management Association |
| Academic Sector | : | Representative, University of the Philippines-NCTS Representative, University of Asia and the Pacific Representative, Pamantasan ng Lunsod ng Pasig |
| Transport Sector | : | Representative, ACTO Federation President Pasig Representative, Pasig TODA Coalition |
| NGO/Civil Society Sector | : | Representative, Rotary Club of Pasig Representative, Pasig Host Lions (Pasig Chapter) |

Representative, Knights of Columbus
Representative, Clean Air Asia
Representative, Partnership of Clean Air
Representative, Firefly Brigade
Representative, National Ecolabelling/Phil.Green
Choice
Representative, Pasig Greenheart Movement
Representative, USAID/World Bank/ADB
Representative, PhilGBC
Representative, ICLEI

Religious Sector : Representative, Pasig Minister Association (PMA)
Representative, Pasig Parish Catholic Church

SECTION 2. Function and Responsibilities:

1. Assist in the preparation and implementation of the City Climate Change Action Plan;
2. Institute policies and programs on greenhouse gas management, as well as formulate local ordinances and resolutions as maybe necessary for the effective implementation of E.O. 774 Climate Change Act;
3. Clean and establish plans that shall promote Climate Change and Clean Energy project in the locality including city wide measures to prevent greenhouse gas emissions and provide innovative energy conservation measure including fuel and energy efficiency, water conservation, use of renewable energy and waste reduction/cleaner technologies; greenhouse procurement, ecoprofit award/incentives;
4. Undertake information, education and comprehensive advocacy campaign on climate change, greenhouse gas reduction and management concrete risk reduction and mitigation measure and adaptation responses, integration of climate change and disaster risk programs and strategies;
5. Coordinate with the other agencies private sector, academe and civil society on the greenhouse gas management and climate change operations.
6. Perform other functions as may be directed by law or ordinance related to Climate Change, Renewable Energy, Disaster Risk Reduction, Green Building/ Green Architecture and other relative matters.

SECTION 3. Meeting and Quorum. –The Council shall meet often once every quarter or as often as may be necessary. The presence of the Chairman or the Executive Officer and the majority of regular members of the council, and TWG shall constitute a quorum.

SECTION 4. Technical Working Group. – There shall be a Technical Working Group composed of GENRO, SWMO, City Engineering Department, Rescue/DRRMO, DENR-EMB-NCR, Climate Change Commission, and the four Team Leaders of Mayor's Task Force on Climate Change.

Section 5. Secretariat – The secretariat shall be headed by GENRO and to be assisted by the Office of the City Councilor who is the Chairperson on Ecology and Environmental Protection with the Office of the GENRO. The Mayor's Task Force on

Climate Change shall furnish the secretariat with their monthly report and accomplishment for purposes of collaboration and integration of programs and projects.

SECTION 6. Venue of the Meeting – The official venue of the meeting shall be either of the following places; 8th Floor Conference Room, Office of the Mayor, Pasig City Hall; OCAI Conference Room, Valle Verde Clubhouse, Tanghalang Pasiguelo, RAVE or any place at the discretion of the members of the Council

SECTION 7. Funding – The funding of Pasig City Climate Change and Greenhouse Gas Management Council maybe charged to the office of the City Mayor or the Climate Change Fund up to 5% of LGU's IRA for Disaster Mitigation.

SECTION 8. Submission of Report – The Committee shall submit regular monthly report to the City Mayor and relevant office for information and appropriate action.

SECTION 9. Provisions of Meals – The provision for meals shall be shouldered by the General Services Office budget allocation.

SECTION 10 Repealing Clause – Executive Order or issuances that are inconsistent herewith are hereby repealed or modified accordingly.

SECTION 11 Effectivity – This Executive Order shall take effect immediately upon approval.


Issued this – day of June 2017, Pasig City, Metro Manila.


Robert C. Eusebio
City Mayor



PASIG CITY GREEN BUILDING ORDINANCE





GREEN BUILDING PROGRAM – is a holistic approach to designing, constructing, and operating buildings. It addresses issues on:

- Building design and construction management;
- Proper land use and promotion of bio-diversity;
- Efficient water and energy use and management;
- Healthy indoor, air quality;
- Proper management of emissions;
- Effective solid waste management;
- Promote alternative modes of transportation;
- Heritage conservation and promotion

GREEN BUILDING TAX CREDIT AND INCENTIVES

Tax credit be more than ten percent (10%) of the total amount of Real Property Tax due for the same taxable year, BUT not to exceed five (5) years.

- 2% if 1 STAR**
- 4% if 2 STAR**
- 6% if 3 STAR**
- 8% if 4 STAR**
- 10% if 5 STAR**



HYBRID SOLAR THERMAL AIRCON

**PASIG
ELEMENTARY
SCHOOL GYM**



Recycling and Waste Management Program

Greenheart Savers Program



| YEAR | TOTAL KILOGRAMS | TOTAL AMOUNT |
|------------------------------|-----------------|----------------|
| January 2013 – December 2013 | 130,499.95 kgs. | P 664, 146.26 |
| January 2014 – December 2014 | 213,194.20 kgs. | P 1,520,910.10 |
| January 2015 – December 2015 | 285,200.65 kgs. | P 1,537,319.80 |
| January 2016 – March 2016 | 87,827.80 kgs. | P 453,923.70 |

SCHOOL OF INTEGRATED ORGANIC GARDEN



**Rainforest Adventure Park
Urban Garden April 2015**



Aquaponics

Pasig the Green and Liveable City

MEATLESS Monday

ADVOCACY

SELLING LIMITED ORGANIC VEGGIES EVERY MONDAY
AT CITY HALL FROM 8:00AM TO 9:30AM

AND

Organic Farming Every Friday



Morning Session : 8:30am - 11:00am

Afternoon Session : 2:00pm - 4:00pm

OPEN TO ALL PASIGUEÑOS

For details and reservation please contact:
Mrs. Sonia S. Fuente, CENRO Green Police Team Leader for Urban Garden
@ Cellphone number 0928-730-1866
or CENRO Office @ Telephone number 643-1111 local 530

**"NO TO KEMIKAL NA GULAY,
YES TO MALUSOG NA BUHAY"**

through the leadership of

Mayor Maribel A. Eusebio and City council



**Panorama
Urban Garden Ju**



**Urban Garden
21, 2016**

CHARCOAL BRIQUETTING



TALKING POINTS

- I. Pasig City Transport Profile
- II. Commissioned Transport Studies
 - A. Cable Car System
 - B. River Ferry System
 - C. Public Transport System
- III. Project Phasing

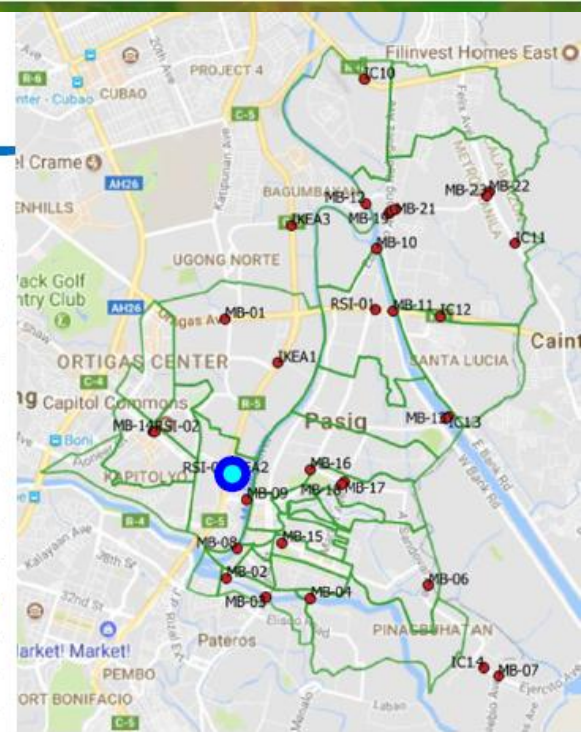
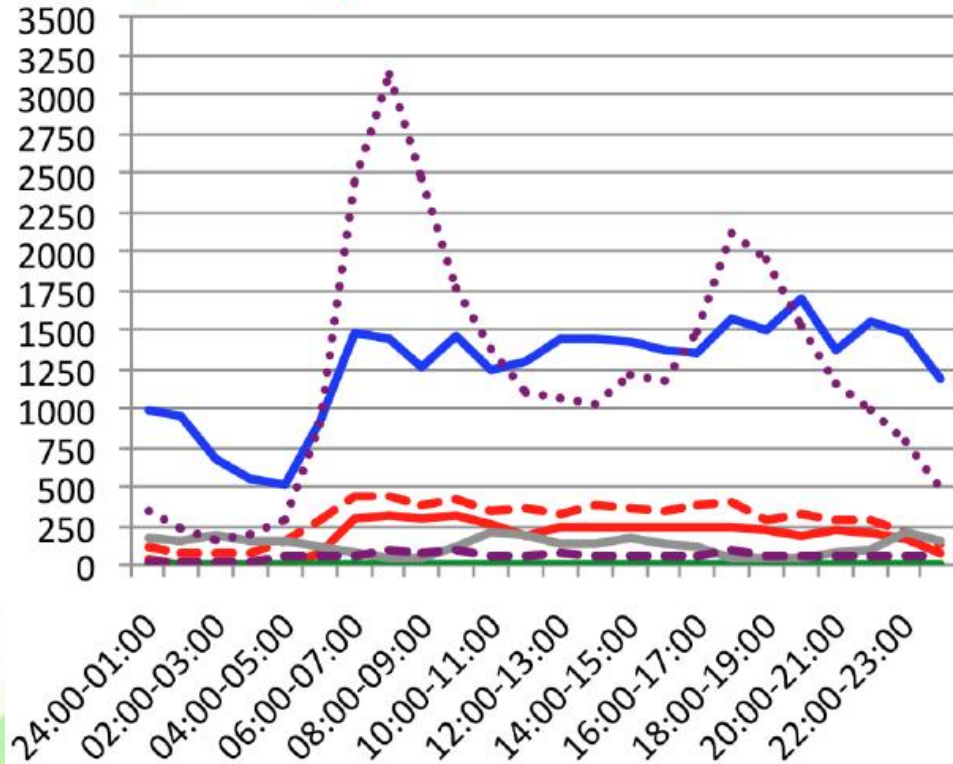


Vision

**PASIG GREEN CITY:
Towards a
Progressive and
Sustainable Eco
City**

Traffic Patterns

Vargas Bridge

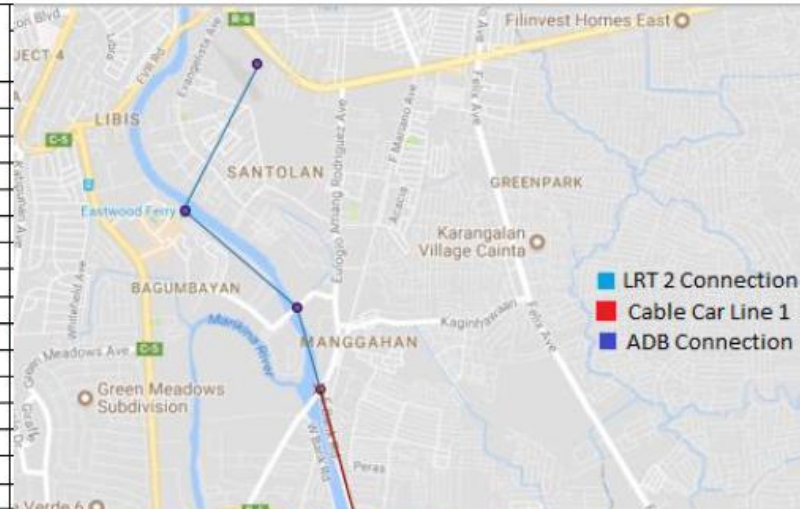


- Pvt Car/Taxi
- - - PUJ
- UV
- Bus
- Truck
- MC
- - - MCH

Alignment

PROPOSED CABLE CAR SYSTEM

| Station Number | Station Name | Rail Line Connectivity | Distance to Next Station, km |
|----------------|-----------------------------------|--------------------------|------------------------------|
| 1A | San Miguel Ave (Option A) | MRT 3 Shaw Stn | 1.2 |
| | Future Extension to ADB HQ | MRT 3 Ortigas Stn | |
| ADB-1 | San Miguel | | |
| ADB-2 | ADB | MRT 3 Ortigas Stn | |
| 1B | Meralco Ave (Option B) | | 0.7 |
| 2 | Hillcrest Drive | | 1.2 |
| 3 | Rizal High | | 1.0 |
| 4 | Mercedes Avenue | | 0.9 |
| 5 | F. Legaspi | | 1.0 |
| 6 | Westbank | | 1.7 |
| 7 | Ortigas Extension | LRT 4 transfer stn | 1.0 |
| 8 | Manggahan | | 0.9 |
| | Future Extension to LRT 2 | | |
| LRT2-1 | Caruncho | | 1.0 |
| LRT2-2 | Eastwood City | | 1.2 |
| LRT2-3 | Pasig-Santolan | LRT 2 transfer stn | |



Project Details

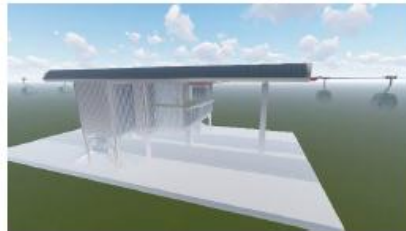
PROPOSED RIVER FERRY SYSTEM

Project Cost – PhP 6.032 billion

O&M Cost – PhP 34.5 million/year

Average fare per passenger by 2021 = PhP 16.20

| | Section 1 | Section 2 | Total | Notes |
|-------------------------------|--------------|--------------|------------|--------------------|
| Length, m | 3,680 | 4,400 | 8,080 | |
| Cabin Capacity, pax | 10 | 10 | | |
| Speed, m/sec | 5 | 5 | | |
| Forecast PPHPD (Year 2045) | 489 | 131 | | |
| Design Capacity, pphpd | 1,000 | 1,000 | | |
| Estimated Op. Speed, m/s | 3.5 | 3.5 | | |
| Travel time, min | 17.5 | 21.0 | 38.5 | end-to-end |
| Loop travel time, min | 35.0 | 41.9 | | |
| Round trip/cabin/pk-hour | 1.71 | 1.43 | | |
| Required cabins | 58 | 70 | 128 | excluding reserves |
| Reserve cabins | 4 | 5 | 9 | |
| Total Cabins | 62 | 75 | 137 | |



Vessels

I. Vessel Specifications

Passenger capacity: 60 passengers
Twin-hulled
Double-engines
Catamaran-type ship -

II. Vessel Cost

Vessel cost: PhP15M

III. Local Manufacturers

- Starcraft Ferry Corporation
- Nautical Transport Services, Inc approved by MARINA on 10 December 2006



ASV1500 by Albatross Marine Design, Thailand



150 passenger Pasig River Ferry by the Nautical Transport Services, Inc; 2008



96 passenger , 22.8m catamaran => U\$300,000 – 700,000
Guangdong Minhua Shipbuilding Co., Ltd.

Institutional Set-Up

a. Option 1: 100% City Government

The City Government shall finance, implement and operate both the infrastructure facilities, i.e., stations and terminals, as well as the ferry services.

This can make use of some applicable provisions in the Local Government Code. It should be noted that a number of LGUs have put up corporations or business entities to better deliver basic services to their constituents.

b. Option 2: 100% Private Company

Private company to finance, implement and operate both infrastructure facilities and vessel services, subject to government regulations.

c. Option 3: PPP

City government – finance, implement and operate the infrastructure facilities

Private company – operate the vessel services subject to bidding regulations by the government

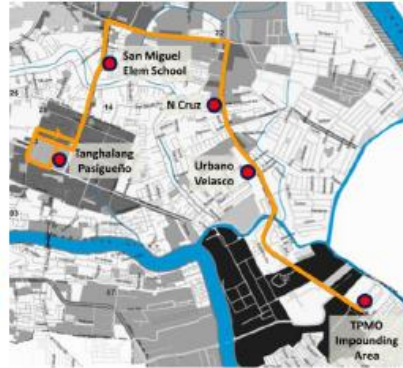
Mass Public Transport System

1. Pasig Community Shuttle Service
2. Pasig CBD Bus Service
3. Green Frog Routes

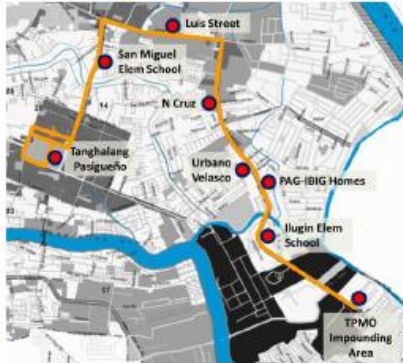
Community Shuttle Service



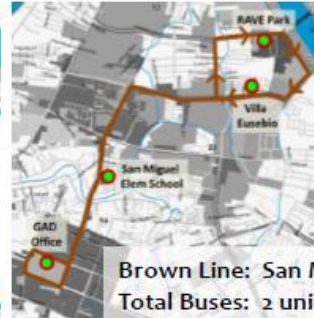
Pink Line: Bambang/Kalawaan
Total Buses: 2 units



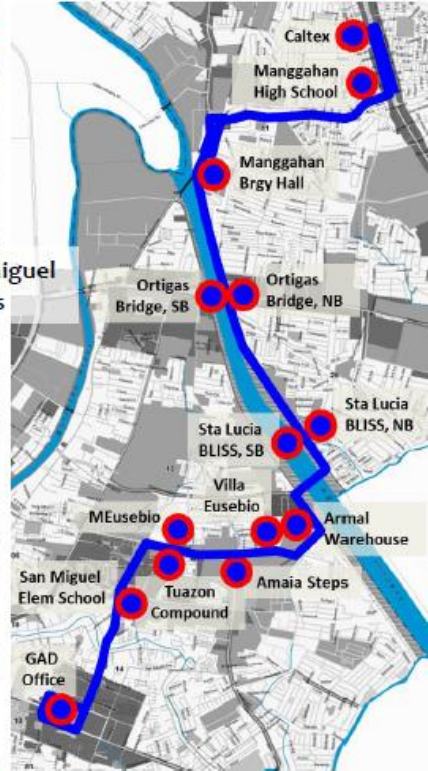
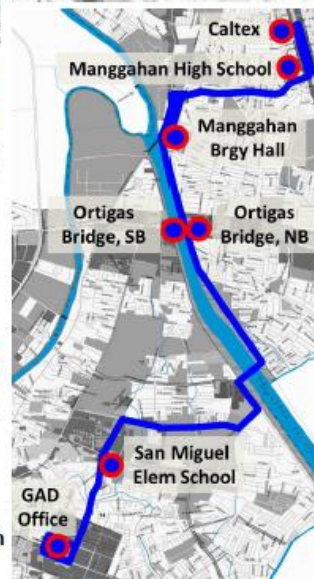
Orange Line: Pinagbuhatan
Total Buses: 2 units



Blue Line: Manggahan
Total Buses: 4 units

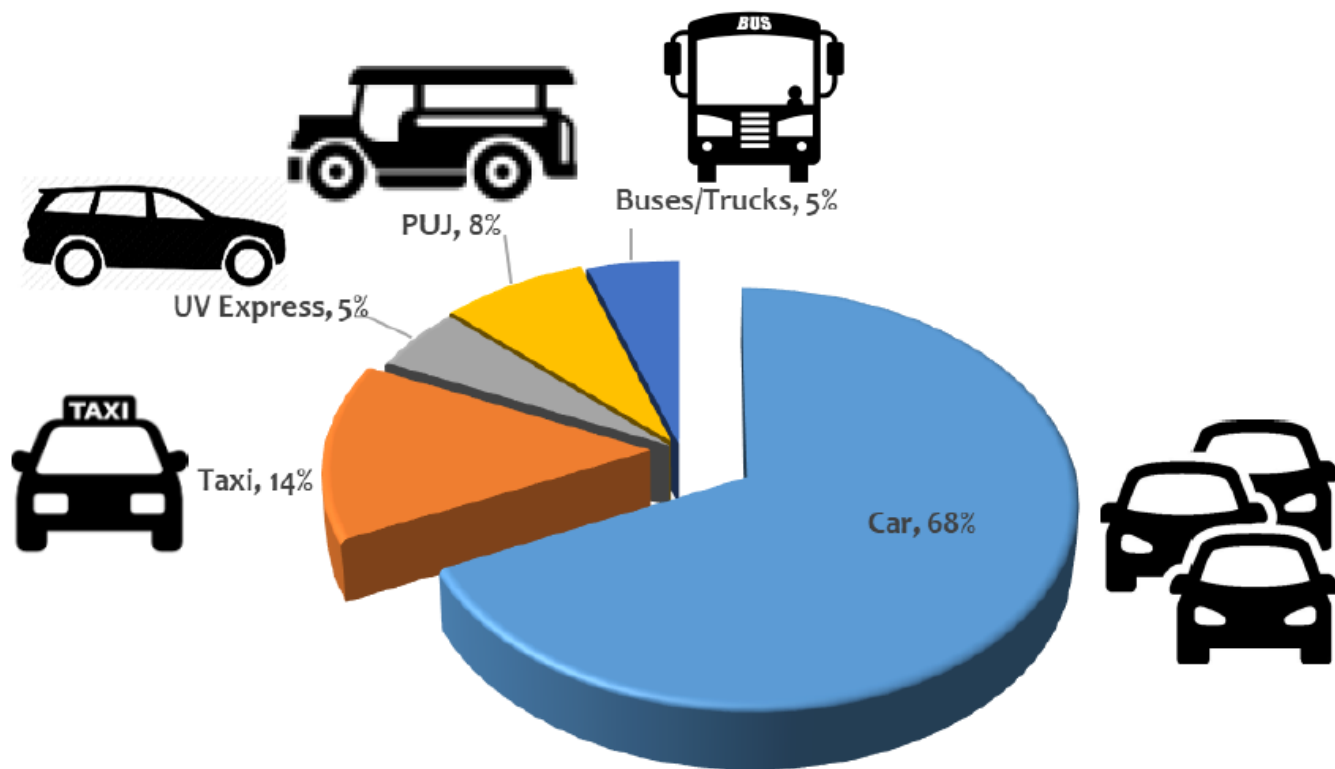


Brown Line: San Miguel
Total Buses: 2 units

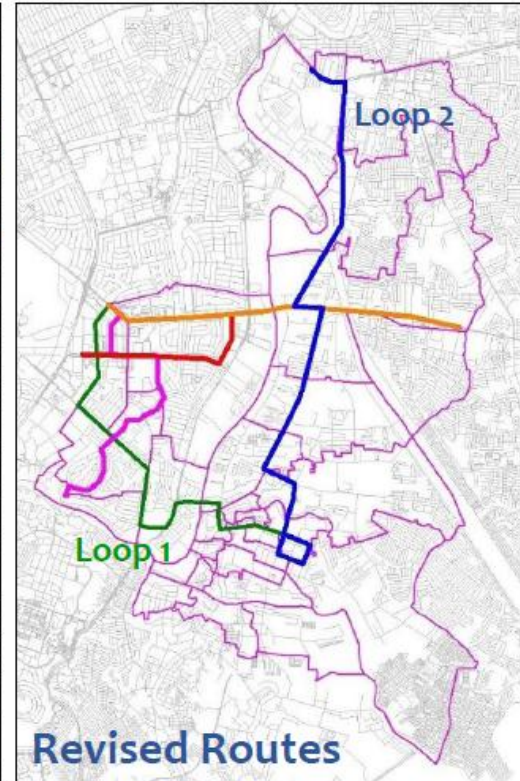
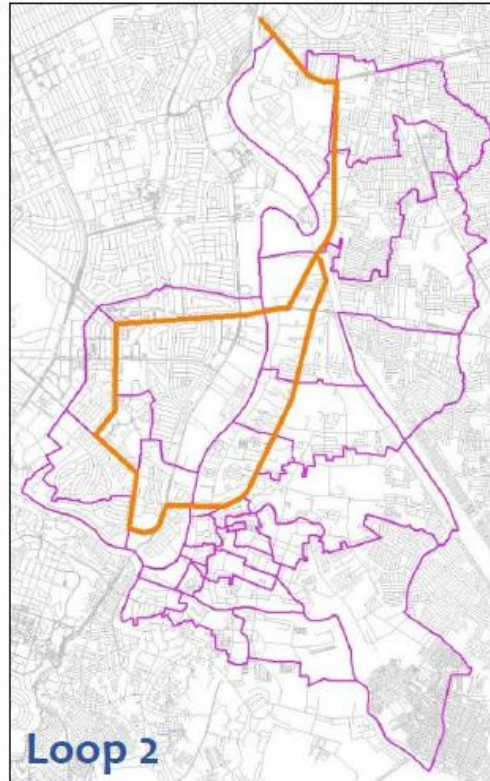
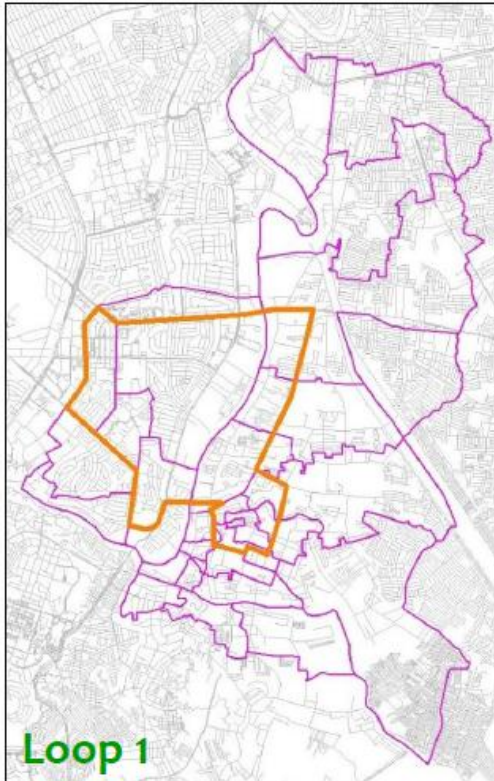


Brown + Blue Combined Routes
Total Buses: 6 units

Pasig CBD Shuttle Service



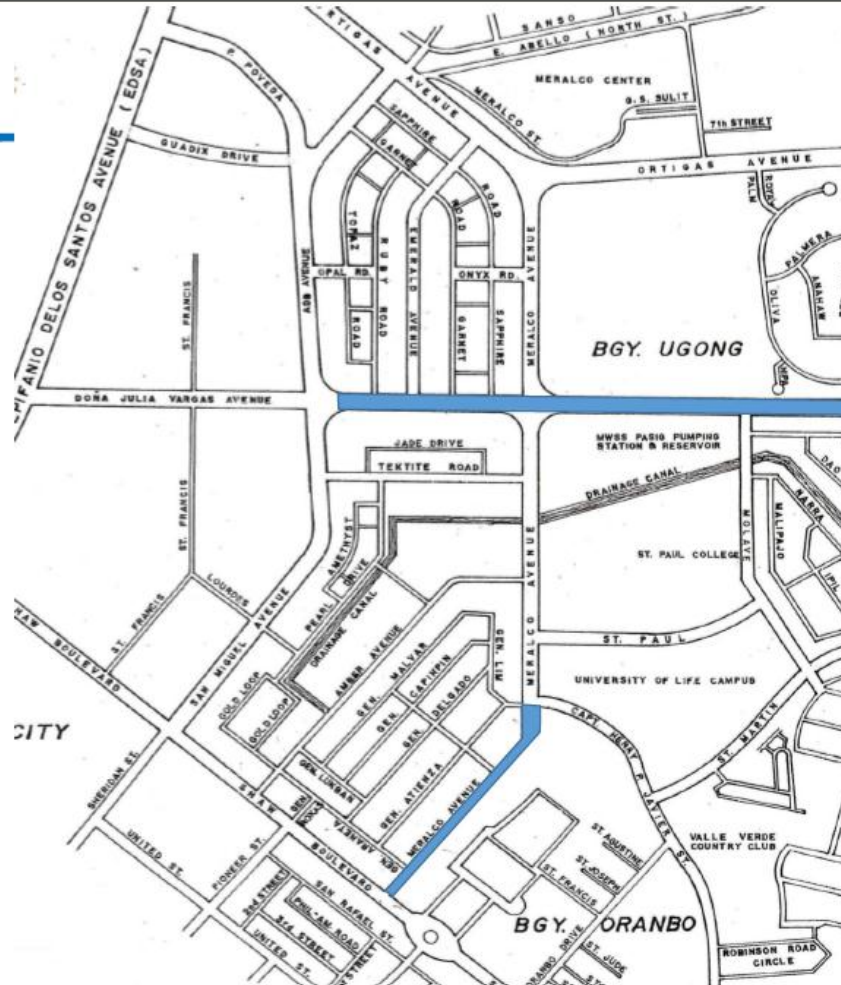
Pasig CBD – Poblacion Link



HOV Lanes

RATIONALE

1. To secure the travel times of the Pasig CBD Bus Service
2. High Occupancy Vehicle lanes – only allow vehicles with three (3) passengers including driver [HOV 3+]
3. Proposed lanes
 - Julia Vargas Ave: C5 to ADB Ave
 - Meralco Ave: Shaw Blvd to Capt Javier



Beep-enabled Transport Services

RATIONALE

1. Easier boarding/alighting
2. More transparent financial management
3. Easier collection of ridership data

Project will involve procurement of bus validators alongside development of Pasig City EC-Card System



| | |
|--------------------------------|---------------|
| Commitment Term (months) | 36 |
| Buses | 18 |
| Option 1 | |
| Cost per bus per month | ₱8,999.00 |
| Cost per month for readers | ₱161,982.00 |
| Option 2 | |
| Cost per bus initial purchase | ₱70,999.00 |
| Cost per bus per month | ₱5,599.00 |
| Initial Purchase Cost | ₱1,277,982.00 |
| Cost per month | ₱100,782.00 |
| *costs are VAT-exclusive | |
| Savings per month for Option 2 | ₱61,200.00 |
| "payback" period for Option 2 | 21 |

Pasig City Bike Share

1. Bike Share Facilities

- Bike station request at Megamall – move St Martin station
- Explore ads on the bicycle frame for a fee
- Work with the malls/buildings to sponsor additional bike stations

2. Operations

- Make the system easy to use
- Request for staff assistance at stations
- Reload facilities should be very accessible: consider kiosks at malls and popular grocery stores

3. Time of operations: 6:00AM – 8:00PM

4. Number of Shifts: 2

- 6:00AM – 1:00PM
- 1:00PM – 8:00PM



Project Phasing

| Project Phasing | Total Cost, PhP M |
|--|-------------------|
| SHORT TERM – 2018 - 2021 | |
| HOV Lanes signage | |
| Expanded CBD Bus Hours (6am - 8pm) | |
| Bike Share | |
| Pasig Greenways | |
| Brgy Pinagbuhatan access ROW clearing of 5,120 SqM ISF settlement | |
| River Ferry, Phase 1 | 120.75 |
| Marikina Riverbanks Development – EW Detailed Design and Contract Bid Docs | 28.00 |
| Priority Road Links: N-S and E-W | TBD |

Project Phasing

| Project Phasing | Total Cost, PhP M |
|---|-------------------|
| MEDIUM TERM – 2022 - 2026 | |
| River Ferry, Phase 2 | 328.84 |
| CBD Bus Extended Service to BGC | |
| Marikina Riverbank Development – EW Construction | 297.00 |
| Cable Car System Phase 1 | 6,032.00 |
| Priority Road Links | |



PASIGREEN CITY AWARDS

THE 2010 GALING POOK AWARDS FOR OUTSTANDING LOCAL GOVERNMENT PROGRAM TO THE PASIG GREEN CITY



LivCom 2013 Awards



Bayanihan sa Daan Malacañang



LGU ECO-CHAMPIOM





EXEMPLARY PERFORMANCE ON ENVIRONMENTAL GOVERNANCE





A CITY WITH A GREEN HEART



A collage of lush green park scenes. The top row shows dense foliage and a covered walkway. The bottom row shows a paved path with people, a directional sign, and a grassy area with a thatched roof structure. A central blue banner with rounded corners contains the text "THERE IS HOPE" in white, bold, sans-serif font.

THERE IS HOPE


RAINFOREST ADVENTURE EXPERIENCE
TRAIN STATION —
← WATER PARK
↑ aMaze
↑ BOATING LAGOON