



CITY OF MUNTINLUPA

National Capital Region, Philippines

ENERGY EFFICIENCY AND CONSERVATION PROGRAM

Alvin F. Veron, EnP.

Designated EEC Officer
Acting Head, City Planning and
Development Office

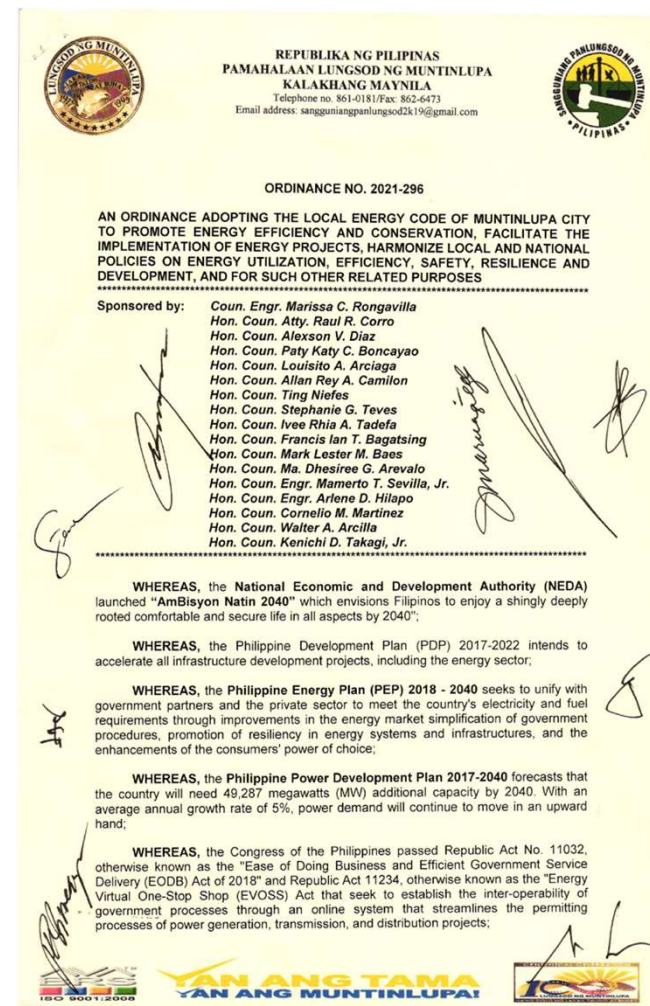


Local Energy Code (City Ordinance No. 2021-296)

Institutionalizes energy efficiency and conservation as Muntinlupenos' way of life and promotes the use of renewable and clean source of energy.

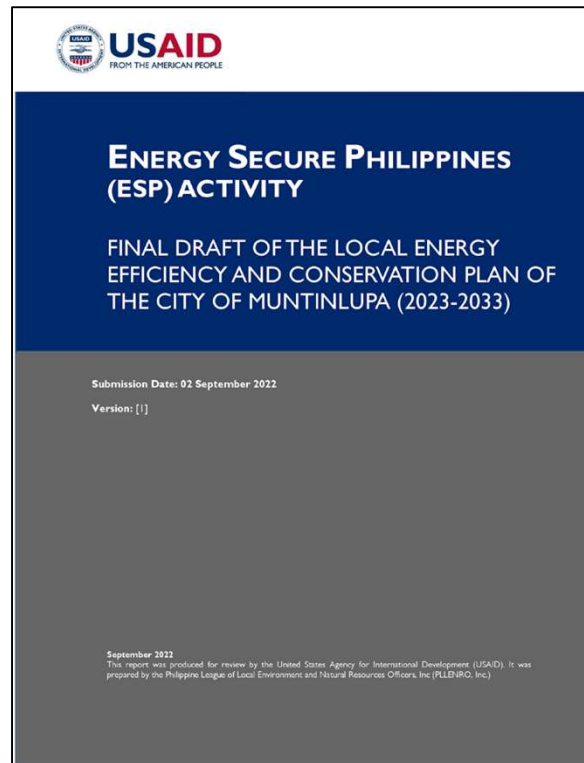
City of Muntinlupa -
1st LGU in Capital Region to have an approved Local Energy Code

Former City Mayor, now Cong. Jaime Fresnedi, signed the ordinance on December 14, 2021.



Partnership with USAID-ESP

The USAID through the Energy Secure Philippines (ESP) Project provided technical assistance to the City Government of Muntinlupa in developing energy efficiency and conservation plans and policies.



Local Energy Efficiency and Conservation Plan



Ceremonial turnover of LEECP
during the celebration of “Araw
ng Kalikasan” November 22, 2022



Executive Order No. 06 s. 2023 Creation of the Energy Sector Committee



REPUBLIC OF THE PHILIPPINES
CITY GOVERNMENT OF MUNTINLUPA
CITY OF MUNTINLUPA
Office of the City Mayor

EXECUTIVE ORDER No. 06 Series of 2023

PROVIDING FOR THE CREATION OF THE ENERGY SECTOR COMMITTEE, PURSUANT TO CITY ORDINANCE NO. 2021-296, ITS COMPOSITION AND FUNCTIONS

WHEREAS, Section 2 of Republic Act No. 11285, otherwise known as the "Energy Efficiency and Conservation Act," provides that "[i]t is the policy of the state to institutionalize energy efficiency and conservation as national way of life geared towards efficient and judicious utilization of energy by formulating, developing, and implementing energy efficiency and conservation plans and programs to secure sufficiency and stability of energy supply in the country to cushion the impact of high prices of imported fuels to local markets and protect the environment in support of the economic and social development goals of the country;"

WHEREAS, the Inter-Agency Energy Efficiency and Conservation Committee (IAEECC) issued Resolution No. 01, Series of 2020, directing all government agencies, including Local Government Units (LGUs) and Foreign Service Posts, to comply with the Government Energy Management Program (GEMP);

WHEREAS, the Department of the Interior and Local Government (DILG) and the Department of Energy (DOE) issued Joint Memorandum Circular No. 2020-01, dated April 30, 2020, laying down the guidelines for the LGUs to facilitate the implementation of energy projects and requiring them to activate their respective Energy Sector Committees;

WHEREAS, the City Government of Muntinlupa issued Executive Order No. 18, Series of 2020, providing for the creation of the Energy Efficiency and Conservation Office (EECO) under the City Planning and Development Office (CPDO);

WHEREAS, City Ordinance No. 2021-296, otherwise known as the Local Energy Code of the City of Muntinlupa, requires an Energy Sector Committee to facilitate the implementation of energy projects, in accordance with the existing relevant energy and other regulatory laws, and issuances;

NOW, THEREFORE, I, **Rozzano Rufino B. Blazon**, City Mayor of Muntinlupa, by virtue of the powers vested in me by law do hereby order and decree that:



City Government of Muntinlupa
National Road, Putatan, Muntinlupa City
Philippines 1772

Trunkline: +632 862-2577 / 862-2525 / 862-2711
Local: 143 / 130 / 217
Telefax (Direct): +632 862-6436

1st Energy Sector Meeting (February 8, 2023)



Resolution No. 01 S. 2023

A Resolution supporting the
Government Energy
Management Program (GEMP)
and adopting the PPAs of LEECP



Fuel Conservation Policies

(1) 10% reduction of fuel allocation on City government vehicles

(2) Prescribed Schedule of Oil Change and Preventive Maintenance Service of Vehicles

(3) Fuel Monitoring Report per Office

Republic of the Philippines
CITY GOVERNMENT OF MUNTINLUPA
National Road, Barangay Punturan, Muntinlupa City 1772

Local Finance Committee

RESOLUTION No. 3
Series of 2022

A RESOLUTION RECOMMENDING MEASURES TO REDUCE FUEL CONSUMPTION IN THE CITY GOVERNMENT OF MUNTINLUPA

WHEREAS, Republic Act 11281, otherwise known as the "Energy Efficiency and Conservation Act", mandates all Local Government Units to formulate, develop, and implement their own Local Energy Efficiency and Conservation Plan (LEECP) to ensure sufficiency and stability of energy supply in their jurisdiction in support of their local economic and social development goals;

WHEREAS, City Ordinance No. 2021-296 adopted the Local Energy Code of Muntinlupa City to promote energy efficiency and conservation, facilitate the implementation of energy projects, harmonize local and national policies of energy utilization, efficiency, safety, resilience and development, and for such other related purposes;

WHEREAS, there has been a persistent increase in fuel prices in the country in the recent months, brought about by numerous external factors, affecting all sectors of the economy, both public and private;

WHEREAS, there is a need to control and monitor the expenditures of the City Government of Muntinlupa with regard to fuel consumption amidst the rising oil prices and limited budget of the City Government for the said purpose;

NOW THEREFORE, BE IT RESOLVED, AS IT IS HEREBY RESOLVED by the Local Finance Committee, to recommend that requests from Muntinlupa constituents for free use of the city buses, flexi trucks, coasters and other vehicles for the purpose of leisure and relaxation, be granted, provided that they will shoulder the gasoline expenses. This is without prejudice to other relevant austerity measures the City Government may adopt to conserve and reduce fuel consumption in the City.

DONE, EXECUTED AND APPROVED by the Local Finance Committee of Muntinlupa this 25th day of March 2022.

CONCURRED:

Engr. ALLAN A. CACHUELA
Chairperson, LFC
Vice Chairperson, Energy Sector Committee

Atty. GENALYN C. ESTRERA
Member

Republic of the Philippines
CITY GOVERNMENT OF MUNTINLUPA
City Planning and Development Office

088 120 922 078

MEMORANDUM

FOR: ALL CONCERNED DEPARTMENTS AND OFFICES OF THE CITY GOVERNMENT, ATTACHED AGENCIES AND HONORABLE MEMBERS OF THE CITY COUNCIL

FROM: EnP. ALVIN F. VERON
Designated Energy Efficiency and Conservation Officer
Acting Head, City Planning and Development Office

DATE: 05 December 2022

SUBJECT: PRESCRIBED SCHEDULE OF CGM VEHICLES OIL CHANGE AND PREVENTIVE MAINTENANCE SERVICE (PMS)

Greetings!

In reference to the City's implementation of the Government Energy Management Program (GEMP) under the R.A. 11285 or the "An Act Institutionalizing Energy Efficiency and Conservation, Enhancing the Efficient Use of Energy, and Granting Incentive to Energy Efficiency and Efficiency Program", all city government vehicles shall be subject to the prescribed oil change and PMS schedule by the Motorpool Section which can be accessed thru the succeeding drive link <https://bit.ly/3unFH47>. This is to support our fuel conservation efforts and ensure the optimal efficiency of all our service vehicles.

The initial vehicle list (acquired from 2015 - 2022) is uploaded in the file. All other CGM service vehicles shall be added in the list in the succeeding period.

Should you have any concerns and clarification, please do not hesitate to contact us at 8862-8065 (CPDO) or 8553-7248 (Motorpool).

For your information and compliance.

Thank you very much.

Truly yours,

EnP. ALVIN F. VERON
Acting Head-CPDO/Designated EEC Officer

Noted by:

Hon. ROZANG RUFINO B. BIAZON
City Mayor

RECORDS MANAGEMENT OFFICE
RECEIVED

CITY SECURITY OFFICE
RECEIVED
NAME: Monitor
DATE/TIME: December 7 - 2022
Time: 1:59

CITY PLANNING AND DEVELOPMENT OFFICE
RECEIVED
DATE: DEC 07, 2022
BY: [Signature]
POSITION: [Signature]

RECEIVED

Nabakaproud!



MUNTINLUPA CLIMATE CHANGE ACTION PLAN (MCCAP)

The City Government
Muntinlupa formulated
plans and policies and
drove innovative solutions
for the reduction of GHG
emissions through energy
conservation measures.

Conversion to LED lighting



Aircon Inverter Technology



Muntinlupa
Nakakaproud!



Colegio de Muntinlupa (Local Engineering School)



812 pcs

Photovoltaic
modules/solar
panels installed

9,550 kWh

energy produced
per month

62%

campus' energy
requirement supplied

₱198,452

savings per
month



ELECTRICITY- SAVING MEASURES

TURN OFF
LIGHTS, COMPUTERS,
APPLIANCES AND OTHER
EQUIPMENT NOT IN USE
EXCEPT FOR OFFICES
WHERE "NO NOON
BREAK" POLICY IS
IMPLEMENTED

ADJUST
ROOM TEMPERATURE
NOT LOWER THAN
24°C

RECOMMENDED
IMPLEMENTATION OF
8-HOUR STRAIGHT
OFFICE OPERATIONS
WITH NO FLEXI-TIME
ARRANGEMENT
WHENEVER PRACTICAL
AND APPLICABLE

ACTIVATE
SLEEP SETTINGS
ON OFFICE EQUIPMENT

KEEP
AIR-CONDITIONED
ROOMS SEALED FROM
AIR INFILTRATION

USE LED LIGHTS
FOR LIGHTING SYSTEMS
IN ALL AREAS

LIMIT ELEVATOR USE
TO 3.5 HRS A DAY
EXCEPT FOR PWDS,
SENIOR CITIZENS AND
PREGNANT WOMEN WHO
WILL BE ALLOWED
TO USE ELEVATOR/S
THROUGHOUT THE DAY

KEEP
AIR CONDITIONING UNIT
AT FAN MODE
DURING LUNCH BREAKS
BETWEEN 12:00NN TO
1:00PM

USE ENERGY-EFFICIENT
EQUIPMENT AND
APPLIANCES
(WITH INVERTER
TECHNOLOGY,
LED-DISPLAY, AND
OTHERS)

USE STAIRS
INSTEAD OF ELEVATOR
WHEN GOING
ONE FLOOR
UP OR DOWN

AIR CONDITIONING UNIT
OPERATIONS SHOULD
BE SCHEDULED
FROM 9:00AM TO 4:00PM
IF APPLICABLE

UTILIZE DAYLIGHT
WHENEVER POSSIBLE

Source: Department of Energy (DOE)

CITY GOVERNMENT OF MUNTINLUPA
ENERGY EFFICIENCY & CONSERVATION OFFICE (EECO)
with the TECHNICAL WORKING GROUP for LOCAL ENERGY CODE & LOCAL ENERGY EFFICIENCY AND CONSERVATION PLAN



FUEL- SAVING MEASURES



REGULARLY CHECK
ALL SERVICE VEHICLES AND
KEEP PREVENTIVE MAINTENANCE
THEREOF, INCLUDING
PROPERLY TUNED ENGINE,
REGULARLY REPLACED AIR FILTERS
AND ALIGNED WHEELS

KEEP
VEHICLE TIRES
PROPERLY
INFLATED
AT ALL TIMES

SCHEDULE
DAILY TRIPS
TO AVOID
UNNECESSARY
SHORT TRIPS

AVOID ENGINE IDLING
WHILE WAITING
AND/OR PARKING
- WARM-UPS SHOULD NOT
EXCEED 1 MINUTE

RAISE AWARENESS
ON FUEL CONSERVATION
MEASURES
ESPECIALLY FOR DRIVERS

KEEP DRIVING SPEED
STEADY
AND ACCELERATION
SMOOTH & MODERATE

OVERLOADING
OF VEHICLES
SHALL BE
PROHIBITED

USE OF GOVERNMENT VEHICLES
FOR PURPOSES OTHER THAN
OFFICIAL BUSINESS
SHALL NOT BE ALLOWED

Source: Department of Energy (DOE)

CITY GOVERNMENT OF MUNTINLUPA
ENERGY EFFICIENCY & CONSERVATION OFFICE (EECO)
with the TECHNICAL WORKING GROUP for LOCAL ENERGY CODE & LOCAL ENERGY EFFICIENCY AND CONSERVATION PLAN



MUN
Muntinlupa
Nakakaproud!



**IEC materials
from
Memorandum
No. 113 s. 2022**

IEC materials on
Electricity-Saving and
Fuel-Saving Measures
are posted in all
offices, buildings, and
conspicuous areas in
the City Government
of Muntinlupa



GOVERNMENT ENERGY MANAGEMENT PROGRAM

Nationwide program to reduce the monthly consumption of electricity and petroleum products amid energy woes the country is facing

IAEECC Resolution
No. 5 s 2022



10% reduction
on Electricity and Fuel
consumption from
baseline period



INTER-AGENCY ENERGY EFFICIENCY AND CONSERVATION COMMITTEE (IAEECC)

RESOLUTION NO. 5, s. 2022

Directing All Government Entities (GEs), including the Local Government Units (LGUs) and Foreign Service Posts to Observe the Approved Government Energy Management Program (GEMP) Guidelines

 
DEPARTMENT OF ENERGY
in partnership with
Department of Science And Technology-
Industrial Technology Development Institute

GOVERNMENT ENERGY MANAGEMENT PROGRAM
ENERGY AUDIT REPORT

Name of Government Office: CITY GOVERNMENT OF MUNTINLUPA
Address: BRGY PUTATAN, MUNTINLUPA CITY
Date & Time of Spot-check: 13 MAY 2022

Result

SCORE	RATING	GRADE
<u>100</u>	<u>★★★★★</u>	<u>A</u>

Grade A

on latest Energy
Audit

**- On-the-Spot and
random Energy
Audit in offices to
push through**



E-Jeepney Ride for Free (E- JRF)

- The City was awarded as the **Electric Jeepney Capital of the Philippines** by the Electric Vehicle Association of the Philippines last October 2016.

- Also awarded with the **Best Customer Experience Award** in Union Internationale des Transports Publics (UITP) Award in Montreal, Canada last May 2017 (City Govt and Lingkod Muntinlupa Foundation partnership)



E-Tricycles

The Department of Energy donated **150 units** of Electric tricycles to the City of Muntinlupa.



E-Jeepneys

Star 8 Green Technology Corporation provided **10 E-Jeepneys** to help stranded frontliners and government employees in Muntinlupa during the pandemic, augmenting the city's free shuttle services.



WAYS FORWARD

Continue the **localization** and **implementation** of the **Government Energy Management Program (GEMP)** especially on electricity and fuel efficiency and conservation.

Strictly enforce the provisions of the **Local Energy Code** and **Local Energy Efficiency and Conservation Plan** down to the private sector and community level.

Generate **support from external stakeholders** to create an **atmosphere of collaboration** especially on energy efficiency-related programs and projects.

