



Republic of the Philippines
SANGGUNIANG PANLUNGSOD
 City Government of Naga

ORDINANCE NO. 2023-010
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AN ORDINANCE ESTABLISHING MECHANISMS TO PROMOTE ENERGY EFFICIENCY AND CONSERVATION IN THE CITY OF NAGA:-

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Explanatory Note

The glaring impact of high prices of imported fuels to local markets and the direct effect of climate change induced disasters and calamities has put local governments units at a crucial role of helping secure sufficiency and stability of energy supply in the country by the promotion of the efficient and judicious utilization of energy, including renewable energy technologies, thereby protecting the environment within their territorial jurisdictions.

As aptly put by the Secretary of the Climate Change Commission (CCC), "energy efficiency is the easiest and often cheapest way to reduce the need for expansion of coal power generation. And with the country's energy demand projected to increase by 80% from 2017 to 2040, improving energy efficiency in the building sector would be our best course to reduce emissions."

With the framework established under Republic Act No. 11285 or "An Act Institutionalizing Energy Efficiency and Conservation, Enhancing the Efficient Use of Energy, and Granting" in 2018 and in furtherance of the implementation of the aforesaid law and its mandated responsibilities upon the City Government of Naga, be it ordained by the Sangguniang Panlungsod of Naga, in session assembled, that:

CR **SECTION 1. TITLE** - This ordinance shall also be known as the "Energy Efficiency and Conservation Ordinance of Naga City";

SECTION 2. OBJECTIVES - This ordinance aims to comprehensively and aggressively reinforce energy conservation measures in electricity and fuel use, as well as promote energy efficient technologies and strategies to:

- a) Target savings and further maximize local government resources;
- b) Promote clean and renewable sources of energy and its technologies;
- c) Reduce production and consumption of energy to lessen greenhouse gas emissions which is a key driver in climate change.

SECTION 3. SCOPE AND COVERAGE. This ordinance establishes a framework for energy efficiency and conservation for all City Government buildings, facilities and vehicle use.

In addition, this ordinance also provides for the implementation of energy efficiency and conservation measures, in the issuance of building permits, for new and existing buildings used for commercial and industrial purposes such as hospitals, educational facilities, exhibition centers, and other government offices within the territorial jurisdiction of the City of Naga.

SECTION 4. EFFICIENCY AND CONSERVATION STRATEGIES. In accordance with the Government Energy Management Program, the following measures shall be implemented by all offices of the City Government of Naga, subject to certain exceptions, to wit:

- a) In electricity use, the City Government of Naga shall adopt efficiency and conservation to reduce monthly electricity consumption by at least ten (10%) percent benchmarked on the average monthly consumption during the first semester of FY 2023; in particular:
 - i. On the operation/use of air-conditioning systems:
 - Replacement of old and inefficient A/Cs with those of higher Energy Efficiency Ratio (EER) or better capability such as having inverter technology;
 - Limit their operation to six (6) hours, preferably from 9:00 a.m. to 4:00 p.m. only. The operation/use of air-conditioning systems may be extended to a maximum duration of eight (8) hours during summer months upon the discretion of the head of office. Operation/use beyond eight (8) hours may be allowed for certain areas requiring specific temperature requirements such as medicine stock areas in hospitals and clinics, computer server room, among others.
 - Set thermostat control to achieve room temperature of 24°C;
 - Set at fan mode from 12:00 noon to 1:00 p.m.;
 - Observe regular maintenance servicing and regular cleaning and replacement of filters as necessary.

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- Use of electric fans, blowers, and other cooling devices in lieu of air-conditioning units at least during break periods.
- Sealing of gaps and openings around windows and doors in all air-conditioned areas
- Provide proper shading and ventilation to an A/C's outdoor condensing unit.

ii. On Lighting:

- Mandatory replacement of all City Government lightings from incandescent bulb and compact fluorescent lamp (CFL) with LED lights;
- Replacement of sodium streetlights to more energy efficient LED lights;
- Maximize the use of natural daylight in offices;
- Manually switch off light to reduce its operating time, especially during break time or the installation of automatic control switches.

iii. Others:

- Installation of solar panels in City buildings and/or solar-powered streetlights and other renewable energy technologies;
- The elevator shall be exclusively used by PWDs, Senior Citizens and those physically challenged or those carrying heavy loads. A sign to this effect shall be placed conspicuously at the entrance of the elevator for the proper guidance of City Hall employees;
- Procurement and use of LED television units, highly efficient computers and laptops as prescribed by the DOE.

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b) In fuel use of Government Vehicles, the City Government of Naga shall implement measures to reduce fuel consumption by at least ten (10%) percent benchmarked on the average monthly consumption during the first semester of FY 2023, in particular:

i. Procurement of motor vehicles that are cost-effective, fuel-efficient, and environment friendly;

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ii. Adoption of the maintenance and driving measures indicated hereunder:

- Proper inflation and alignment of tires and proper alignment and balancing of wheels;
- Periodic/regular oil change and oil filter replacement;

- Regular engine tune-up and replacement of air and fuel filters;
 - Proper scheduling of daily trips to avoid unnecessary short trips;
 - Smooth/moderate acceleration of vehicles and driving at a steady pace to avoid unnecessary and repetitious speeding up and slowing down;
 - Strict prohibition of idling of vehicles when vehicle is parked; and
 - Prohibition on overloading of vehicle.
- iii. Use of government vehicles for official business purposes only and maximizing of trips through carpooling of offices, if feasible, subject to the control of the City Administrator.
(Use of government vehicles on Saturdays, Sundays, legal holidays, or out of the regular office hours or outside the route of officials or employees authorized to use them, or by any person other than such official or employee, shall, unless properly authorized, be prima facie evidence of the violation of this paragraph.)
- iv. Use of alternative fuel for City Government vehicles.

SECTION 5. ENERGY EFFICIENCY AND CONSERVATION PLAN

(EECP) - The City Government of Naga, through its Energy Efficiency Officer and the City Planning and Development Office, with the assistance of the Department of Energy and in coordination with the DILG, shall, within 3 months from the approval of this ordinance, formulate and submit to the Sangguniang Panlungsod of Naga a collaborative and multi-stakeholder comprehensive framework, governance structure and program which shall have defined targets, feasible strategies, and regular monitoring and evaluation towards energy efficiency and conservation in the City of Naga. In the development of the EECP, the following shall be pursued and adopted:

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- a) Aggressive promotion of energy conservation and energy efficient and renewable technologies and systems through information, education and communication campaigns;
 - b) Inventory and a feasible phased-in replacement program for lighting, air-conditioning, and other electricity and fuel-consuming facilities, equipment and vehicles of the City Government to improve energy efficiency;
 - c) Adoption of energy efficient concepts in procurement, including the purchase and use of appliances and equipment from DOE-certified efficient products;
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- d) Adherence to the "Guidelines for the Energy Conserving Design of Buildings and Utility Systems" for government and private structures and facilities;
- e) Promotion of clean and indigenous sources of energy to help meet the growing economic development of the country;

SECTION 6. BUILDING MAINTENANCE AND ENERGY EFFICIENCY AND CONSERVATION OFFICE (BMEECO) - The present Building Maintenance Office, under the City Administrator's Office, is hereby renamed and expanded to perform the following functions pursuant to Section 7 of R.A. 11285 on the establishment of the Energy Efficiency and Conservation Office:

- a) With the technical assistance of the CPDO, spearhead the development of the Naga City Energy Efficiency and Conservation Plan which shall be incorporated in the City's development and investment plan;
- b) Through the Energy Efficiency and Conservation Officer, oversee the implementation of the Naga City Energy Efficiency and Conservation Plan;
- c) Assist the Department of Energy in monitoring compliance with the obligations of identified energy intensive industries (commercial, industrial, transport, power, agricultural, public works, etc.);
- d) Ensure compliance by the City Government of Naga with the Government Energy Management Program (GEMP) such as inspection and monitoring of city offices and the regular submission of inventory, electricity and fuel consumption reports in the GEMP System;
- e) Be the lead office in the preparation and process for the City Government of Naga to qualify for the ISO 50001 Energy Management System Certification;
- f) Recommend financial arrangements for energy efficiency projects to the City Mayor and the Sangguniang Panlungsod of Naga;
- g) Facilitate coordination with the 27 barangays of Naga to ensure that energy efficiency and conservation measures and practices are implemented within their respective barangay territories;
- h) Conduct researches, studies, energy audits, and prepare technical reports containing recommendations for improving energy efficiency with cost-benefit analysis and an action plan to reduce consumption;
- i) Such other functions and duties in furtherance of the objectives of this ordinance.

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SECTION 7. ISSUANCE OF BUILDING AND OTHER RELATED PERMITS - Pursuant to Section 18 of R.A. 11285 and its IRR,

new building constructions and retrofitting of buildings for commercial and industrial use shall comply with the minimum requirements as specified in the Guidelines on Energy Conserving Design on Buildings issued by the Department of Energy, in consultation with the Department of Public Works and Highways.

In line with this, the City Engineer's Office shall amend its Citizen's Charter with regard to the standard procedure and requirements for the issuance of building and other related permits to ensure that energy efficiency and conservation is implemented for new and existing buildings for commercial and industrial use including those owned by the City Government and other National Government Agencies which shall comply with the Government Energy Management Program and such other issued guidelines on energy efficiency and conservation;

SECTION 8. PERSONNEL REQUIREMENT - Within 30 days from the effectivity of this ordinance and subject to the availability of funds, the City Mayor shall appoint or designate an Energy Efficiency and Conservation Officer to serve as the local authority in directing energy management activities as outlined in Section 5 of this ordinance which may be.

The head of the BMEECO shall, if deemed appropriate, recommend the creation of a permanent plantilla position and such other personnel requirements, as necessary, to ensure that the provisions and objectives of this ordinance are carried out to its full effect;

SECTION 9. RECOGNITION AND INCENTIVES - Through the Energy Efficiency and Conservation Office, a system of recognition and incentives shall be established to recognize, at least annually, city offices, barangays, and private business establishments, which have exemplified best practices on energy efficiency and conservation;

SECTION 10. AUTHORIZATION FOR ENERGY EFFICENCY PROJECTS.
The City Mayor, subject to ratification by the Sangguniang Panlungsod of Naga, is hereby authorized to enter into agreements, with both government and non-government institutions, for energy efficiency and conservation projects in the City of Naga, especially those which involve the installation of solar panels and/or use of renewable sources of energy.

For purposes of determining the feasibility of project proposals submitted for consideration by the City Government, the City Mayor shall organize a task force which may be composed of concerned city officials, personnel, and other government agencies and private sector representatives.

SECTION 11. FUNDING - All funding necessary for the implementation of the provisions of this ordinance shall be incorporated in the Annual Budget under the Building Maintenance and Energy Efficiency and Conservation Office (BMEECO) based on the approved Energy Efficiency and Conservation Plan beginning Fiscal Year 2024;

SECTION 12. SEPARABILITY CLAUSE - If any portion of this ordinance be declared invalid or unconstitutional by a court of competent jurisdiction, those which have not been declared as such shall remain in full force and effect;

SECTION 13. REPEALING CLAUSE - All ordinances, resolution and executive issuances which are deemed inconsistent with this ordinance is hereby amended or repealed accordingly;

SECTION 14. EFFECTIVITY - This ordinance shall take effect upon approval and publication.

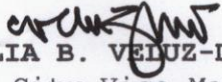
Enacted: February 7, 2023.

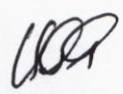
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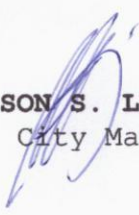
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WE HEREBY CERTIFY to the correctness of the foregoing ordinance.


CECILIA B. VELUZ-DE ASIS
City Vice Mayor
& Presiding Officer


GIL A. DE LA TORRE
Secretary to the
Sangguniang Panlungsod

APPROVED:


NELSON S. LEGACION
City Mayor 2/9/23
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