



Quezon City

Climate Change Adaptation

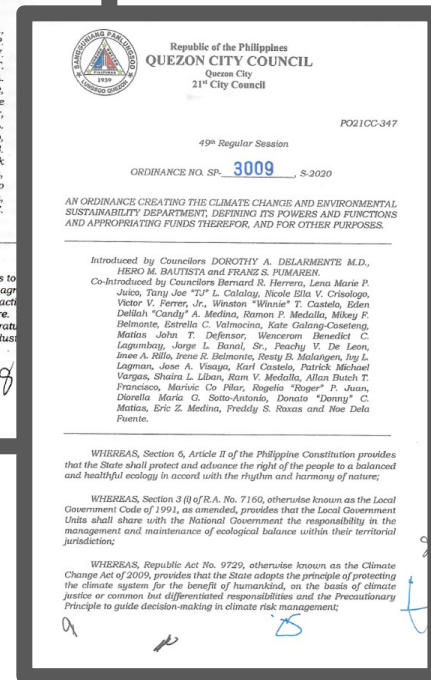
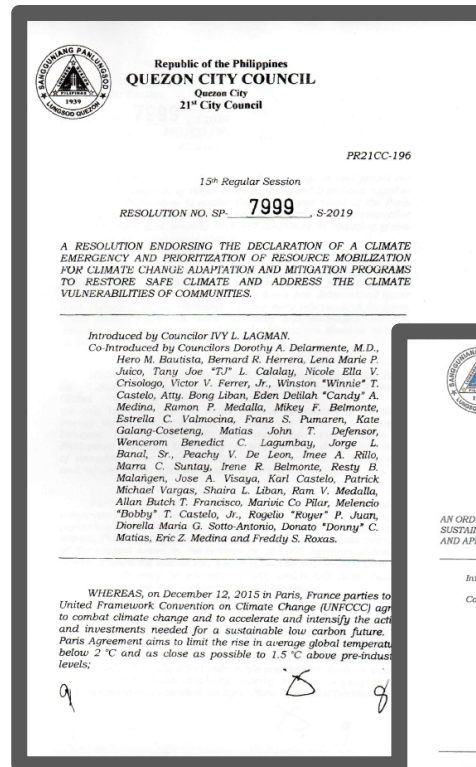
Driving Circular Economy and Nature Based Solutions

Francis Ian L. Agatep
Senior Environmental Management Specialist

January 2025
Environment Week 2025, Dusit Thani, Makati



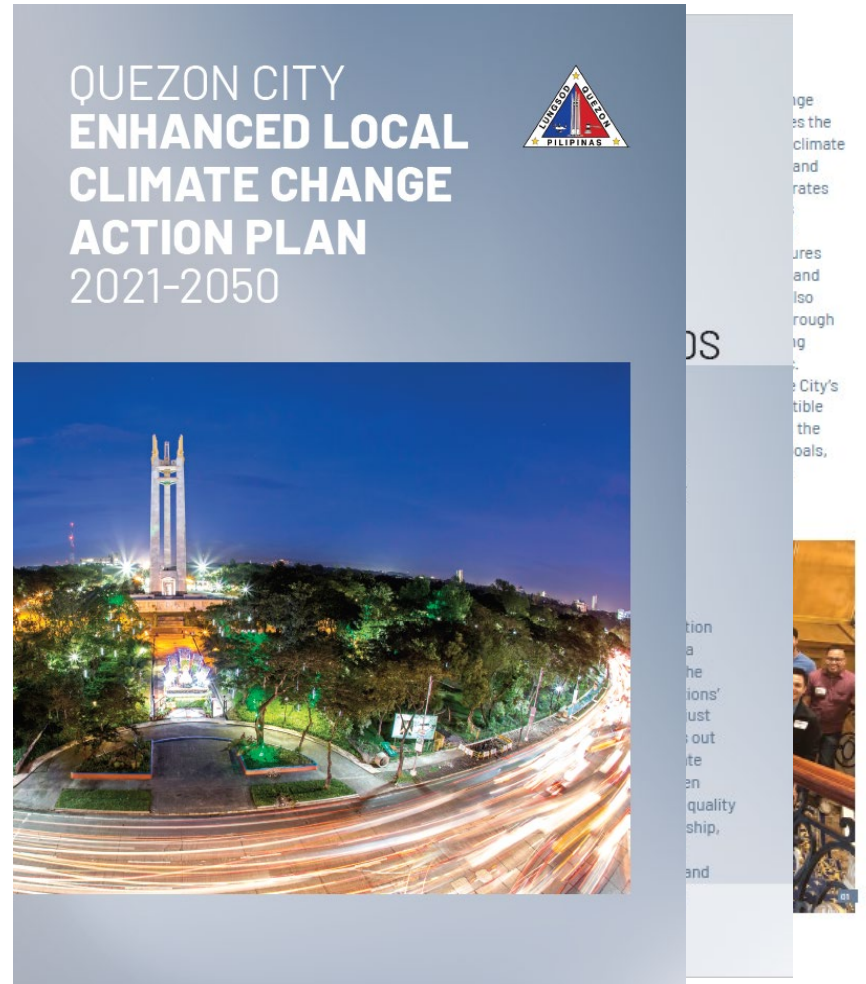
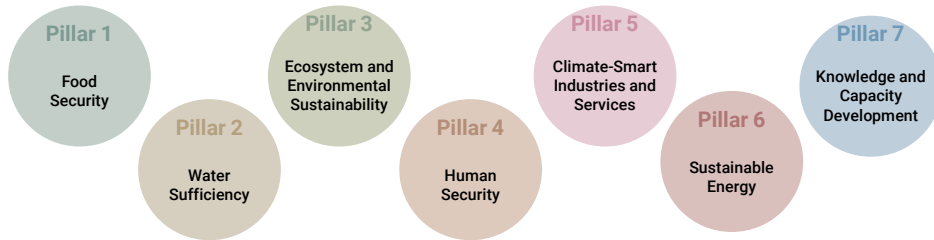
- At least 21% of the city's annual budget is allocated for climate action (2023).
- Passed City Council Resolution No. SP-7999, S-2019, declaring a Climate Emergency
- Created the Climate Change and Environmental Sustainability Department
- Benchmarked with C40 member cities, actively participated in networking and lobbied for climate financing
- Approved and adopted the Enhanced Local Climate Change Action Plan from 2021 to 2050



Quezon City Enhanced Local Climate Change Action Plan 2021-2050 (Enhanced LCCAP)

An ambitious and evidence-based roadmap that allows the City to:

- Build climate resilience
- Pursue carbon neutrality
- Advance green economic development
- Provide a liveable and quality community for all



Strategic Goals (2024 -2027)

Climate Change & Environmental Sustainability Department



Well-informed QCitizens on healthy and sustainable food consumption



Well-prepared City amidst increasing water resource pressures



City with mainstreamed circular economy initiatives across all sectors



City with adequate green spaces for QCitizens as nature-based solution to climate change



Quezon City as the learning and information hub for sustainable energy & energy efficiency practices

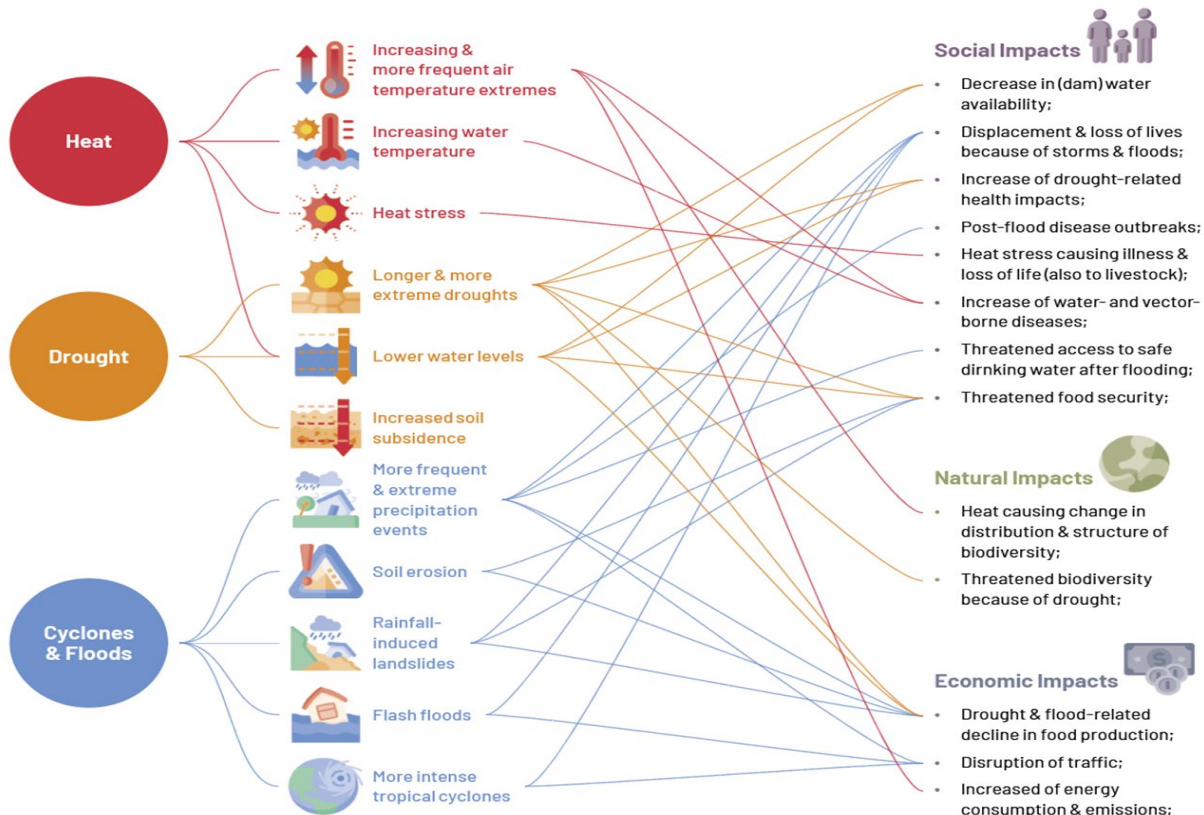


Quezon City that transitions to sustainable transport for better air quality



City with clean rivers and waterways

Climate Risk and Impact Assessment



Striving Towards a Circular Economy, prioritizing Organic, Paper, and Plastic Waste



Ecosystem and Environmental Sustainability





Kilo/s Kyusi & RetaShow

Recovering and repurposing textile waste through charity bazaars
and a sustainable fashion show



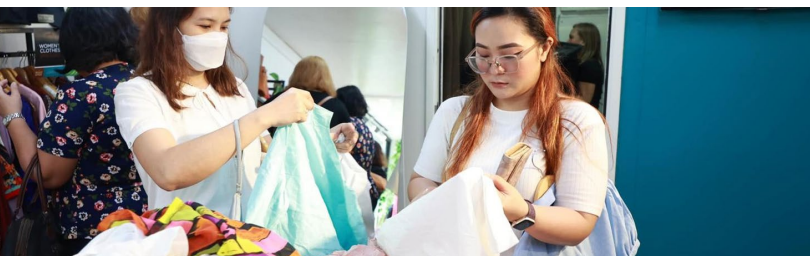
Php 1 million earned for
QC's Learning
Recovery Fund during
Kilo/s Kyusi's pilot



Permanent Kilo/s Kyusi
store opened in the
City Hall compound



20 fashion designers
showcased their talents
in upcycling scrap fabric



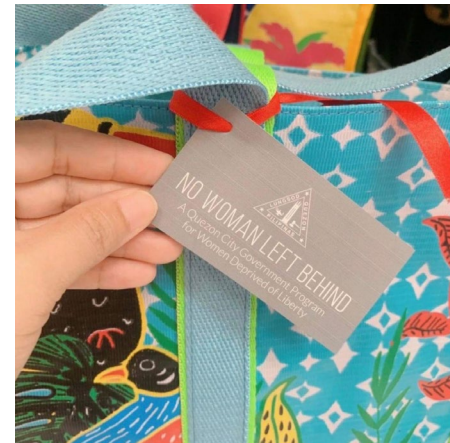
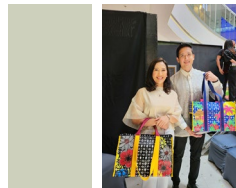
Circular Economy Initiatives Focusing on Plastic Waste



Fill -A-Bottle (FAB) Store Refilling Hubs



Tarpcycling Program: Tarp to Tote



Private Sector Collaboration



Ajinimoto Philippines Saricycle Program

8,100 Kgs collected in 2024



Quezon City Government
Climate Change and Environmental Sustainability Department

GABAY SA TRASH TO CASHBACK

TRADING BOOTHS
Magpaon ng recyclable wastes at single-use plastic. Dapat ito ibigay sa mga container sa lugar.

QC HALL PARK @ LAGOON
8:00 am - 5:00 pm

MERALCO BUSINESS CENTERS
Carmen Market, Katipunan, Noronadas, Market of Homebush

DISTRICT BOOTHS
Miyapalan at Suriana
8:00 am - 5:00 pm

Scan ang QR Code para sa location.

SAAN MAGAGAMIT ANG ENVIRONMENTAL POINTS?

- ✓ Pambayad ng BILLS gaya ng KURENTE, TUBIG, or INTERNET sa pamamagitan ng Bayad app.
- 1 Magpaon sa mga Bayad Centers at app.comet ang Environmental Points sa Bayad mobile.
- 2 Bilang ang Bayad app sa young mobile device para maglaya ang converted points.
- 3 Gamitin ang Bayad mobile para magbayad ng bills.
- ✓ Mag-order online mula sa mga partner merchants ng bXTRA Philippines (www.bxtraphilippines.com).
- ✓ Rankin ng groceries at iba pang products sa Trash to Cashback Market (www.trash2cashback.com/qrmarket).

Para mas maayos sa bXTRA Philippines at Trash to Cashback Market:
1. Umalit sa web site ng app.comet
2. I-download ang Environmental Points app sa app store
3. Points sa app store ang bayad sa mga merchant sa bXTRA Philippines.

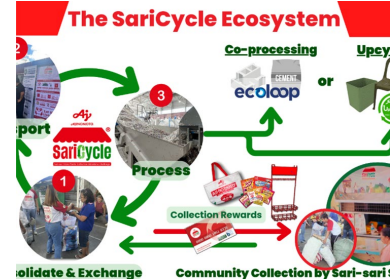
TINATANGAP ANG:

- Plastic
- Papel
- Metal

PLING BAYAD CENTERS:
Eco Cornermarket Branch, Central Branch, Lagoon Branch.

Scan ang QR Code sa app.comet ang Trash to Cashback Market sa bXTRA Philippines.

ClimateChangeqc.gov.ph | @climatechagedepartment | 8998-4242 loc. 8559

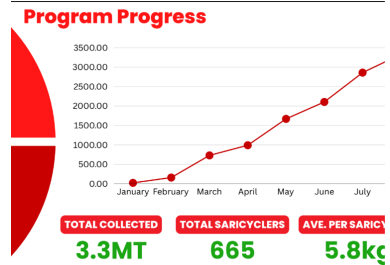


PANDAMAZING TESTIMONIALS

“Tanggap nangangailos kama ng mga plastic going sa mga bakod naming mga negosyo. Mat yung rin naming pinapalutal yung mga plastic na nakaiba naming nasaaklat sa paligay.”

“Nagpapaligay sa SariCycle ng mga plastic na nakaiba naming nasaaklat sa paligay.”

“Nagpapaligay sa SariCycle ng mga plastic na nakaiba naming nasaaklat sa paligay.”





Trash to Cashback

Quezon City allows citizens to actively participate in the recovery of recyclables and single-use plastics from the waste stream through an incentivized process of converting the traded wastes into 'Environmental Points'

ACCEPTS:



Plastic




Paper



Metal

SAAN MAGAGAMIT ANG ENVIRONMENTAL POINTS?

- ✓ Pambayad ng **BILLS** gaya ng **KURYENTE, TUBIG**, at **INTERNET** sa pamamagitan ng Bayad app
 -  **1** Magpunta sa piling Bayad Centers at ipa-convert ang Environmental Points sa Bayad wallet.
 -  **2** Buksan ang Bayad app sa inyong mobile devices para makita ang converted points.
 -  **3** Gamitin ang Bayad wallet para magbayad ng bills.
- ✓ Pag-order online mula sa mga partner merchants ng **bXTRA Philippines** (www.bxtraoutlet.delivery/)
- ✓ Pambili ng groceries at iba pang produkto sa **Trash to Cashback Mart** (www.bxtraoutlet.delivery/ttcb-mart/)

Pag-order mula sa **bXTRA Philippines** at **Trash to Cashback Mart**:

1. add to cart ang mga nais bilhin.
2. Gamitin ang **Environmental Points** sa pagbayad sa checkout.
3. Hintayin na ma-deliver ang inyong order.



Enabling Environment through Key Legislation



Plastic Bag Reduction Ordinance
SP-2140, S-2012

Plastic Bag Ban Ordinance
SP-2868, S-2019

SUP & Disposable Materials Ban Ordinance
SP-2876, S-2019



Scan the QR Code to know more about City Ordinance SP-2876, S-2019

Bawal ang PLASTIC! sa Quezon City

SINGLE-USE PLASTIC / DISPOSABLE MATERIALS BAN
City Ordinance SP-2876, S-2019

Ipinagbabawal ang paggamit ng single-use plastics (SUP) at disposable materials para sa mga dine-in customers ng mga hotels, restaurants, at iba pang food establishments.

- Plastic or Disposable Cutleries
- Plastic, Paper, Styrofoam, or Disposable Food Containers
- Plastic, Paper, or Styrofoam Cups
- Plastic or Paper Straws
- Condiment Sachets (e.g. sachets for ketchup, soy sauce, chili oil, etc.)
- SUP / DISPOSABLE and other single-use or disposable materials

Coverage
Any business establishment where meals, snacks, and refreshments may be purchased and/or consumed. This shall include quick service restaurants or fast food chains, coffee shops, and hotel restaurants. Stand restaurants may be standalone restaurants or located within a building.

1 st Offense	2 nd Offense	3 rd Offense
• Php 1,000.00	• Php 3,000.00	• Revocation of Environmental Clearance
	• Issuance of a Cease and Desist Order by the Business Permits and Licensing Department	• Issuance of a Cease and Desist Order

For inquiries or to report non-compliant businesses, contact:
Tel. No.: 8988-4242 local 8359
Email: ClimateChange@quezoncity.gov.ph
Facebook: www.facebook.com/quezoncityclimatechange

Climate Change and Environmental Sustainability Department

Global Treaty on Plastic

Treaty on Plastic Pollution UNEP in Paris, France

Plastic -Free Transition

- Avoidance of all unnecessary plastics
- Just transition to a plastic -free future with financial mechanisms and funding
- City representation on discussions to address plastic pollution



“Let us recognize the power of cities, acknowledge our accomplishments, and empower us with the necessary tools to continue championing the call against plastic pollution. Together, we can forge a future where this is but a distant memory, and our planet thrives in its full glory.”

Food Rescue and Organic Waste Recirculation Program



City - Led Composting Activities

The city employs various composting methods to cater to the needs of its citizens aside from traditional composting activities.



**Rapid Composters
in Public Markets**



**Bokashi Bins in
LGU Offices**



**Biogas Digesters
in Barangays**

Food Waste to Compost

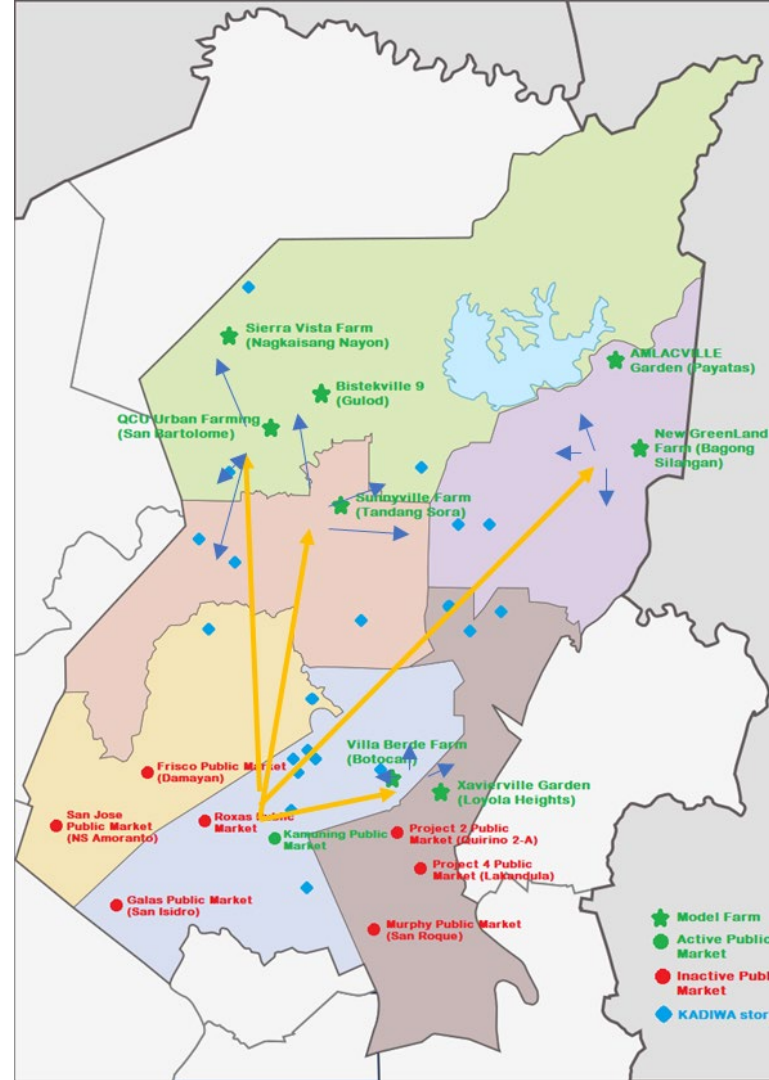
Linking our compost to our urban gardens and farms



Kamuning Market
Galas Market
Murphy Market



Sunnyville Farm
New Greenland Farm
Urban gardens



From Food Waste to Black Gold

Impact of Composting Practices: Amount of Food Waste Processed



**Barangay/ Urban Farm
Biodigesters**

2,810 kgs*



**Public Markets Rapid
Composters**

7,405 kgs**



**Office Bokashi Bins
Composting**

974 kgs***

**Barangays over 3 month period, May - July 2024*

*** MDAD Kamuning Public Market as of January 2024*

**** Joy of Urban Farming, March - August 2024*

Applying NbS in Urban Ecosystem Restoration



Elevated Promenade
connecting QMC & NAPWC



Reviving the MWSS Balara
Filters Park



One Million Trees by 2030

Planting fruit -bearing saplings in accessible open areas in partnership with residents to achieve the City's greening goal, and to complement food security efforts



Public Parks for All

Mass development of parks and open spaces of various hierarchies, such as community parks, linear parks, pocket parks, green walls, and roof gardens, that will create a city with rich biodiversity, and livable neighborhoods





Urban Agriculture

Urban farms to mitigate hunger by encouraging the citizens of Quezon City to produce and grow vegetables



More than 1,300 urban farms and gardens as source of fresh produce



25,000 urban farmers



First urban farming cooperative in Metro Manila





Water Security through Robust Demand Side Management

The City will champion water efficiency cascading efficient **water demand -side management** to the residential, commercial, and private buildings.



COMMONWEALTH ELEMENTARY SCHOOL



Striving Towards a Circular Economy, prioritizing Organic, Paper, and Plastic Waste



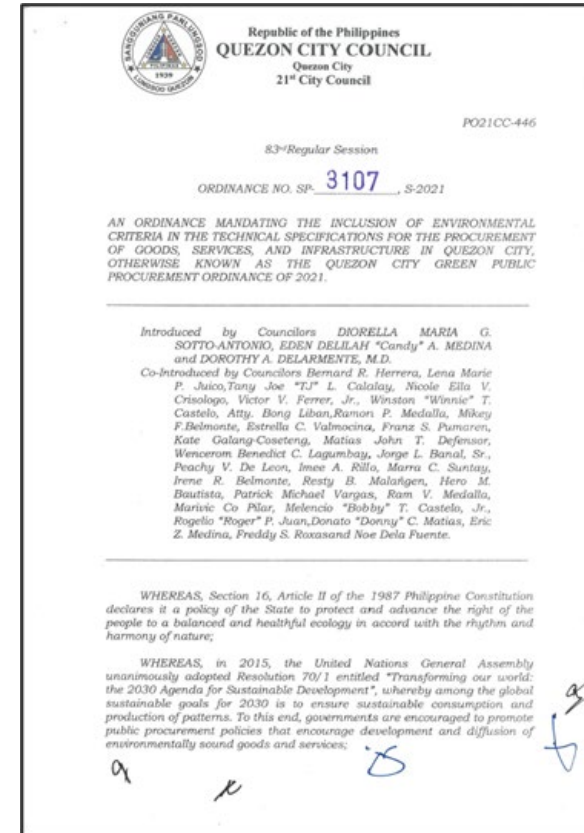
Ecosystem and Environmental Sustainability

Green Public Procurement Program

- To reduce the impact of human actions that negatively affect the environment by promoting the culture of making environmentally -informed decisions in the City Government, especially in the purchase and use of different goods, services, and infrastructure .

2023 EPR Summit:

- Monitoring of businesses and barangays with partnered recyclers,
- Collaborating with the Business Permits and Licensing Department (BLPD) to integrate EPR requirements into the application process for relevant retailers .



QC Green Awards



Incentivizing communities, organizations, and institutions in the **public & private sectors** for their initiatives that make QC a more green and resilient Quezon City.



Legislation & Partnerships



Climate Emergency
Resolution No. SP - 7999, S - 2019

Green Public Procurement
SP-3107, S-2021

Plastic Bag Ban Ordinance
SP-2868, S - 2019

EU-Green Economy Program with **UNDP**

SUP & Disposable Materials Ban Ordinance SP-2876, S - 2019

Trash to Cashback with
BEST Inc. & Meralco

Creation of CCESD
SP-3009, S - 2020

Kuha sa Tingi with **Greenpeace Philippines & RippleX**

Calorie Labelling Ordinance
SP-3009, S - 2020

Food rescue Program with **Scholars of Sustenance Philippines**

Executive Orders & Council Resolutions

City Ordinances

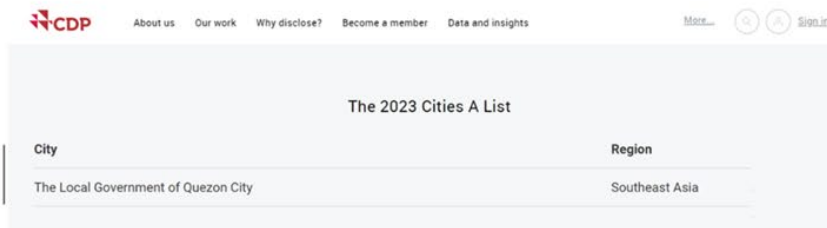
Partnerships

Awards



Key Accomplishments

- Carbon Disclosure Project (CDP) Annual Reporting
 - 2023 Overall Score: "A" or Leadership Level; QC part of the 119 A-list cities globally (13% out of 939)
- UN Champion of the Earth
 - UN's highest environmental honor for individuals and organizations
 - Mayor Joy Belmonte - Policy Leadership on plastic waste reduction
 - Other awardees: Ellen Macarthur Foundation, Blue Circle and Jose Manuel Moller, Csir
- A recipient of Forbes Sustainability Leaders 2024





Thank You!



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www.fb.com/qc.climatechangedepartment