



REPUBLIC OF THE PHILIPPINES

SAN CARLOS CITY, NEGROS OCCIDENTAL

VAMOS! SAN CARLOS! WHERE GREEN IS GO!

# Philippine – Japan Environment Week

March 2 -4, 2022

**Hon. Renato Y. Gustilo**

City Mayor





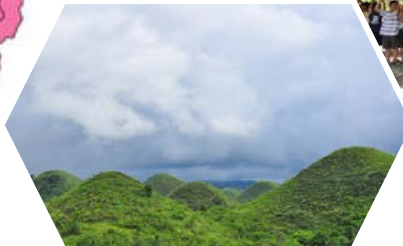
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# SAN CARLOS CITY, NEGROS OCCIDENTAL

VAMOS! SAN CARLOS! WHERE GREEN IS GO!



Philippines



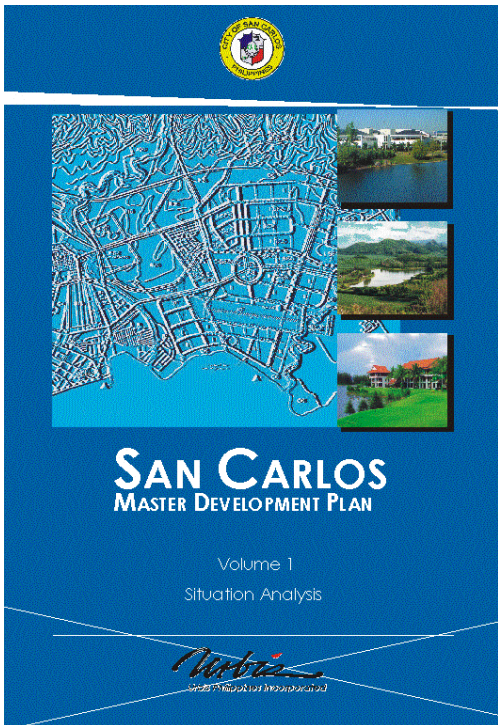


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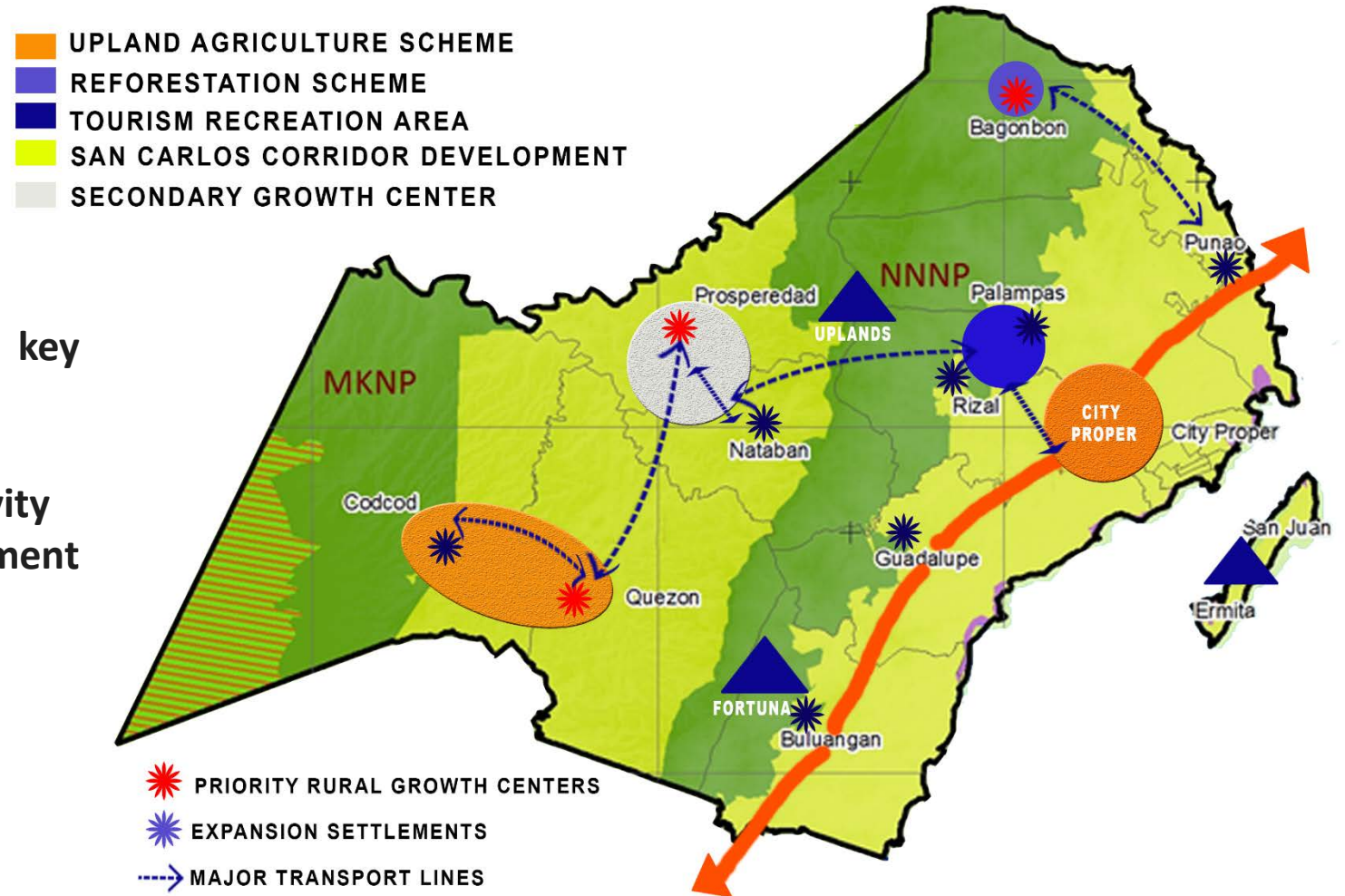
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# 20-Year Master Development Plan



- Establishment of key energy-efficient infrastructures
- economic productivity
- social development initiatives
- environmental protection





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Integrated Waste Management and Pollution Control

Regulatory

Watershed, Parks, Protected Areas, Wildlife and Forestry

Climate Change

Coastal Resource Management





**Northern Negros Natural Park  
Rehabilitation and Protection Program**

**Mount Kanlaon Natural Park Rehabilitation  
and Protection Program**

**Integrated Bago River Watershed  
Development Program**

**Biodiversity Protection Program**

**Monitors forest  
condition and  
regeneration**

**Monitors wildlife  
(including  
Indicator Species)**

**Monitors Existing  
Threats and  
Issues**





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## Water Levy for Watershed Rehabilitation Program

For each cubic meter of water, the city government charges 1.00 Peso which goes to a trust fund for watershed development and protection





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## Wastewater Management Program

Wastewater Management Projects (Completed)	Appropriation
1. Improvement of City Abattoir Wastewater Treatment	Php 483,350.00
2. New City Health Office Wastewater Treatment Facility	Php 280,000.00
3. Rainwater Harvester at the Public Transport Terminal	Php 150,000.00
4. Installation of a Rainwater Collection and Distribution System for the New City Hospital	Php 2,901,795.00
5. Construction of New City Hospital Wastewater Treatment Facility	Php 1,775,000.00
6. Improvement of Eco-Center WWTF	Php 124,340.00
7. Construction of Public Market Wastewater Treatment Facility	Php 909,000.00
8. Construction of Sipaway Island Wastewater Treatment Facility Phase 1	Php 2,550,000.00
9. Construction of Sipaway Island Wastewater Treatment Facility Phase 2	Php 2,000,000.00
<b>Total</b>	<b>Php 11,173,485.00</b>



To be Implemented – Construction of Septage Treatment Plant

- Php 8,500,000.00



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## Establishment of 2 Marine Protected Areas

### Coastal Resource Management Program

### Protection of 400 Hectares Mangrove Areas

### Fisheries and Aquatic Resource Management Program

### Fish Forever Program

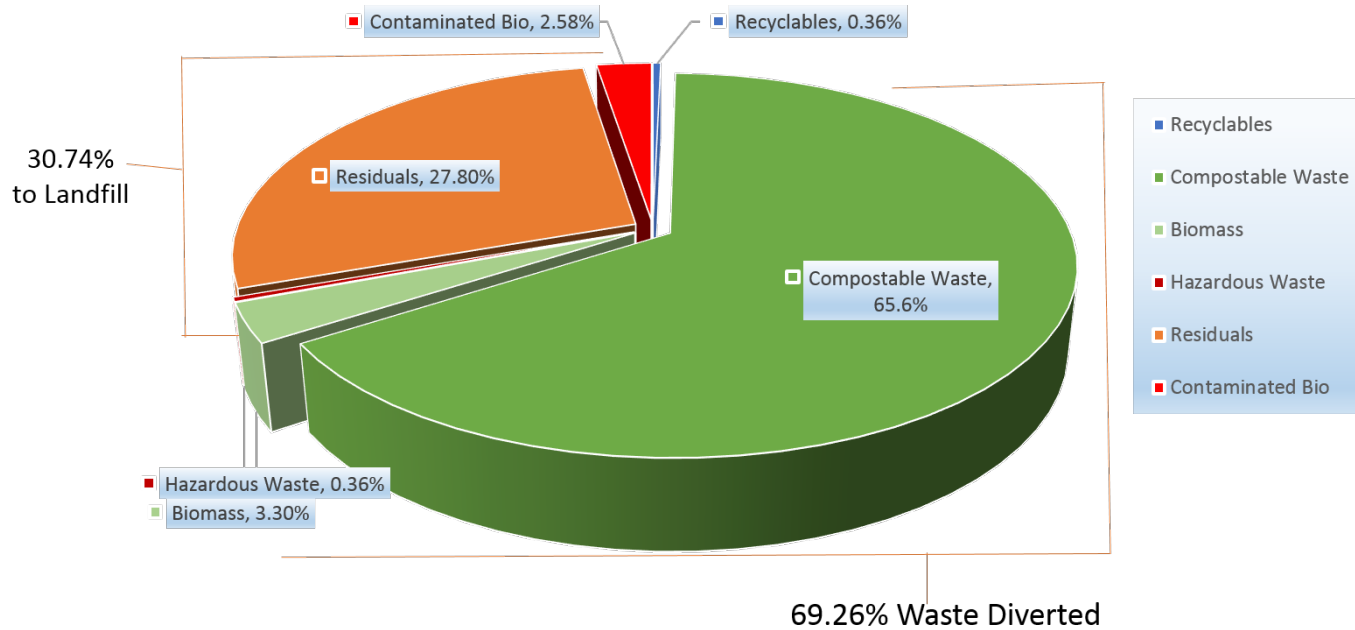






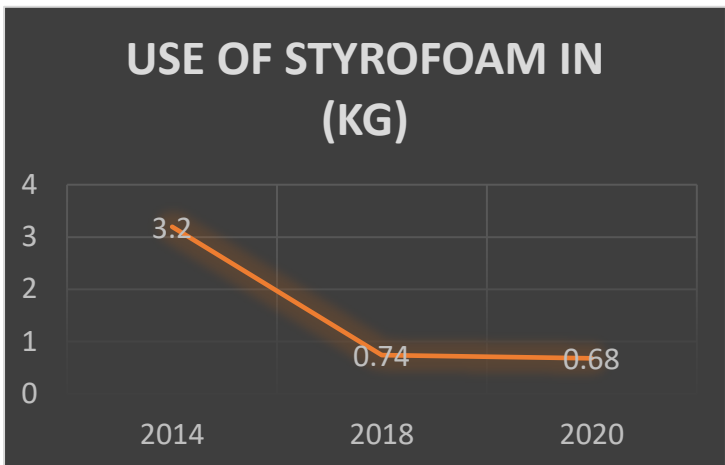
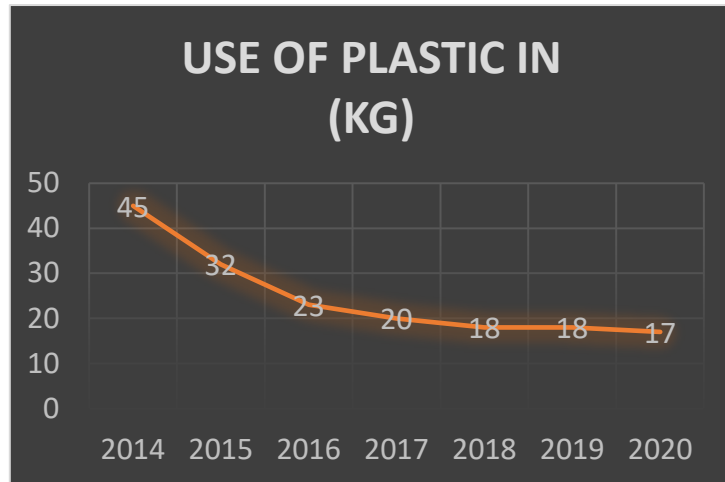
## Solid Waste Management Lifestyle Change Program

### 2021 Waste Diversion





## Solid Waste Management Lifestyle Change Program



**Danny Ocampo** is with Melvin Maglayon and 20 others. April 8 · 🌐

What's missing in these pictures?  
 Answer: plastic bags  
 It's plastic free in San Carlos City and this is proof that it can be done! Kudos to the leaders of this city!  
 #breakfreefromplastic



Creation of City Ordinance No. 14-53 "Plastic Bag Regulation and Styrofoam Banning Ordinance", Fully Implemented on May 2015



## Local Legislation and Creation of Law Enforcement Team

Republic of the Philippines  
 Province of Negros Occidental  
 City of San Carlos

**City Ordinance No.08, Series of 2012**  
**Environment Code**

**Chapter IV, Section 4E.14 – Prohibited and Punishable Acts**

The following acts are prohibited:

1. Spitting, defecating and urinating in public places.
2. Disposing of human and animal feces and urine into municipal waste stream, in rivers, creeks, streams, etc.
3. Setting out for collection of unsegregated and uncontained waste.
4. Non-provision of segregated and labeled waste bins in commercial, Institutional and Industrial establishments, including motorized and non-motorized passenger vehicles and marine vessels (boats, bancas, ferries, etc.), traversing through territorial jurisdiction of the City of San Carlos.
5. Allowing privately owned waste bins or contained/bundled waste on the curb or street before collection time.
6. Littering, throwing, dumping of wastes in public or open spaces and parks, thoroughfares or roads, sidewalks, drain canals, esteros, creeks, rivers, seas, seashores, beaches and establishments, or causing or permitting the same.
7. Open dumping, burying of mixed waste materials in non-flood-prone areas.
8. Open burning of mixed waste, plastics and rubber tires.

**Section 4E.16 – Administrative and Penal Provisions –**

a) Any person who violates Items 1,2,3,4 and 5 shall be penalized, as follows:

**First Offense** - a fine of THREE HUNDED PESOS (=P=300.00) or to undergo One (1) day environmental orientation seminar with community service

**Second Offense** - a fine of FIVE HUNDRED PESOS (=P=500.00) or render three (3) days community service relative to solid waste management activities.

**Third and Succeeding Offense** - a fine of ONE THOUSAND PESOS (=P=1,000.00)

b) Any person who violates Items 6,7 and 8, shall be penalized, in accordance with the provisions stipulated in R.A. 9003.



City Ordinance No. 14-53, Series of 2014

**San Carlos City Green City**

**BYOB**  
 Bring your own  
**"Bag / Bayong"**

**NO** To Plastic Bags  
**YES** To Reusable Recyclable Bags

**REUSE  
 REDUCE  
 RECYCLE**

Effective May 1, 2015

**SAN CARLOS CITY NOISE ORDINANCE**

City Ordinance No. 14-36

**"SAN CARLOS CITY SOUND AND NOISE REGULATORY ORDINANCE OF 2014"**

Decibel (dB) - measurement used to determine the levels of sound intensity.

Decibel Measurements - refer to the following decibels, as measured at a distance of one (1) meter from the origin, as maybe observed by an average and ordinary person with normal hearing capacity:

- 140-130 - threshold of pain that the ear can endure due to sound intensity
- 120 - where pain begins (sound of a shotgun)
- 110 - power saw
- 100-80 - comparable to sound coming from subway train
- 85 - maximum volume of a telephone tone
- 80-70 - comparable to irritating busy traffic noise
- 60 - normal conversation
- 50 - average home noise
- 40 - comparable to whispering

SPL (Sound Pressure Level) Meter - refers to a professional-grade sound level meter, also known as a decibel or dB meter, that measures the intensity of sound.

For comments, suggestions and other information, please call:  
 (067) 034-712-5495  
 (067) 034-712-5495  
 (067) 032-8814321  
 @SanCarlosManagementOffice



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## Renewable Energy Projects





**Green House Gas Inventory**

**(Conducted by ICLEI)**

SAN CARLOS CITY -COMMUNITY LEVEL GHG INVENTORY (Base Year:2015)

<b>GHG Emissions Summary</b>		
Emission Source	GHG Emissions (tonnes CO <sub>2</sub> e)	Proportion of Total Emissions
<b>Scope 1 Emissions (Net of Forestry and Land Use)</b>		
GHG Emissions from Community-Level Residential Stationary Fuel Use	215.16	0.25%
GHG Emissions from Community-Level Commercial Stationary Fuel Use	736.51	0.86%
GHG Emissions from Community Mobile Combustion	3721.54	4.35%
GHG Emissions from Solid Waste Disposal - IPCC FOD Method*	0.00	0.00%
GHG Emissions from Other Solid Waste Treatment (ICLEI)*	0.00	0.00%
GHG Emissions from Solid Waste Open Burning (ICLEI)*	0.00	0.00%
GHG Emissions from Wastewater Treatment and Discharge	0.00	0.00%
GHG Emissions from Community-Level Agriculture (Crops)	17959.20	20.97%
GHG Emissions from Community-Level Agriculture (Livestock)	45466.68	53.08%
GHG Emissions from Solid Waste Disposal - Inside LGU Geopolitical Boundaries (ICLEI)	9.45	0.01%
GHG Emissions from Wastewater Treatment and Discharge (Other Sources)	0.00	0.00%
GHG Emissions from Industrial Processes and Product Use	0.00	0.00%
<b>Scope 1 Emissions/Removal (Forestry and Land Use)</b>		
GHG Emissions from Forestry and Land Use	0.00	0.00%
GHG Removal from Sink	-172655.19	-201.58%
<b>Total Scope 1 Emissions</b>	<b>68,109</b>	<b>79.52%</b>
<b>Scope 2 Emissions</b>		
GHG Emissions from Purchased Electricity at Community-Level Residential Sites	8442.74	9.86%
GHG Emissions from Purchased Electricity at Community-Level Commercial Sites	4651.89	5.43%
GHG Emissions from Purchased Electricity at Community-Level for All Other Sources	4445.93	5.19%
<b>Total Scope 2 Emissions</b>	<b>17,541</b>	<b>20.48%</b>
<b>Scope 3 Emissions</b>		
GHG Emissions from Solid Waste Disposal - Outside LGU Geopolitical Boundaries (ICLEI)	0.00	0.00%
<b>Total Scope 3 Emissions</b>		
<b>Total Emissions</b>	<b>85,649</b>	<b>100.00%</b>

**Scope 1:  
68,109 tonnes**

**Scope 2:  
17,541 tonnes**



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## Green House Gas Inventory

(Conducted by ICLEI)

I.C.L.E.I. GHG Team conducted community-level green house gas inventory and accounting

TOTAL OF SCOPE 1 EMISSIONS :	68, 109 TONNES
TOTAL OF SCOPE 2 EMISSIONS:	17, 541 TONNES
<b>COMBINED EMISSIONS :</b>	<b>85, 649 TONNES</b>
<b>EMISSIONS REMOVAL (FORESTRY)</b>	<b>-172,655.19 TONNES</b>

<b>TOTAL EMISSIONS:</b>	<b>-87, 006.19 TONNES</b>
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### Galing Pook (Best City) Awards

1995- Buluagan Fishport Project

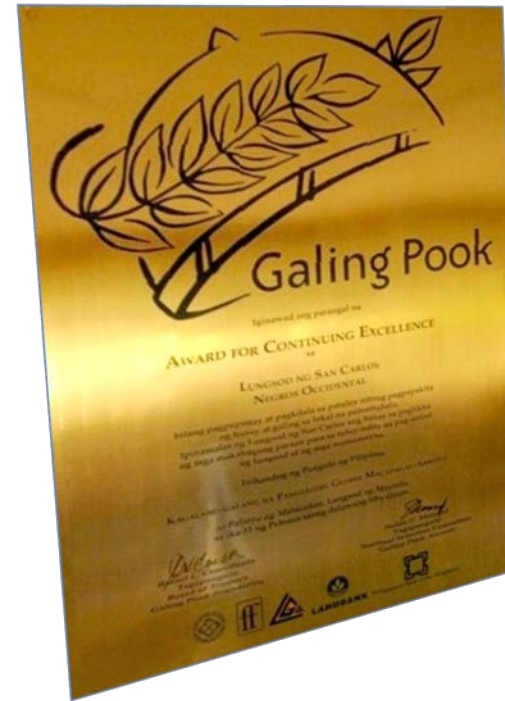
1996- Homelot Program

1997- Daan sa Kaunlaran

2000- Punong Kahoy sa Bawat Pumanaw

2007- Water Levy Project

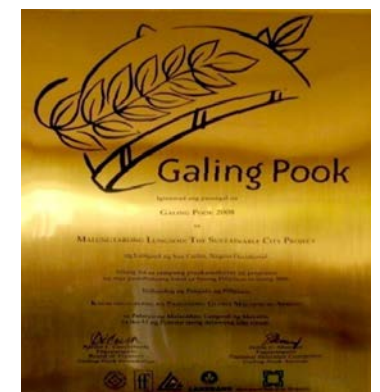
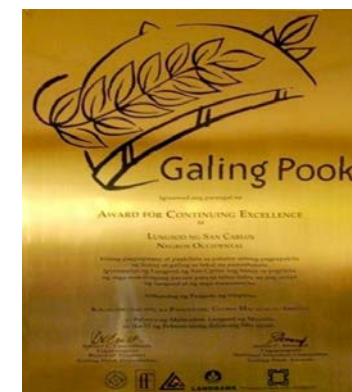
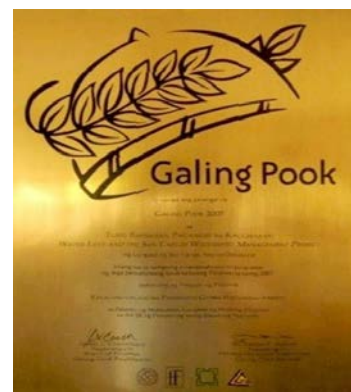
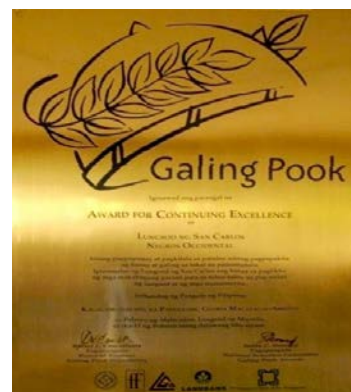
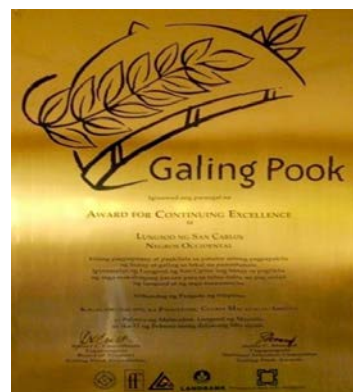
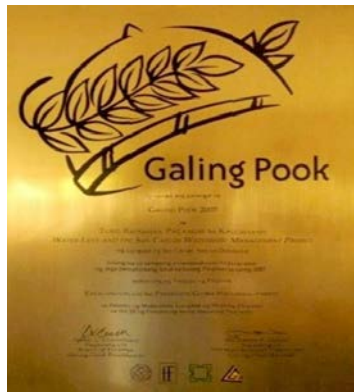
2008- Sustainable City Project



Award for Continuing Excellence

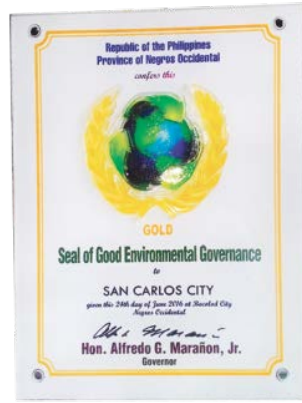
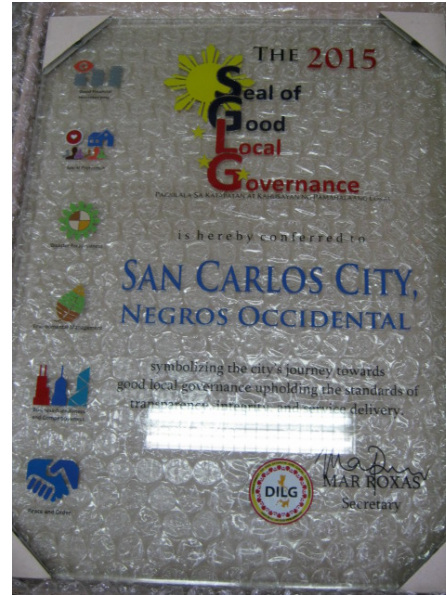


Hall of Fame





## Local Awards







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## International Awards





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## City's Vision

**“A modern agro-industrial processing city, a model green city on governance, a renewable energy hub for Asia, and a sustainable tourism destination with strong, diverse and viable economy, and an ecologically balanced and sustainable environment with functional, appropriate and accessible infrastructure where citizens are healthy and well educated, living in a harmonious and peaceful community, under a dynamic, competent, and reliable leadership in a safe, adaptive and resilient city.”**





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FORMULA

POLITICAL WILL

+

SELF-RELIANCE

+

INNOVATIVENESS

+

PEOPLE PARTICIPATION /CONSULTATION

+

TRANSPARENCY

+

CONTINUITY

=

*San Carlos City*

TODAY





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**Vamos  
San Carlos!**

**Where Green is Go**