

Davao City



IVAN C. CORTEZ, ENP

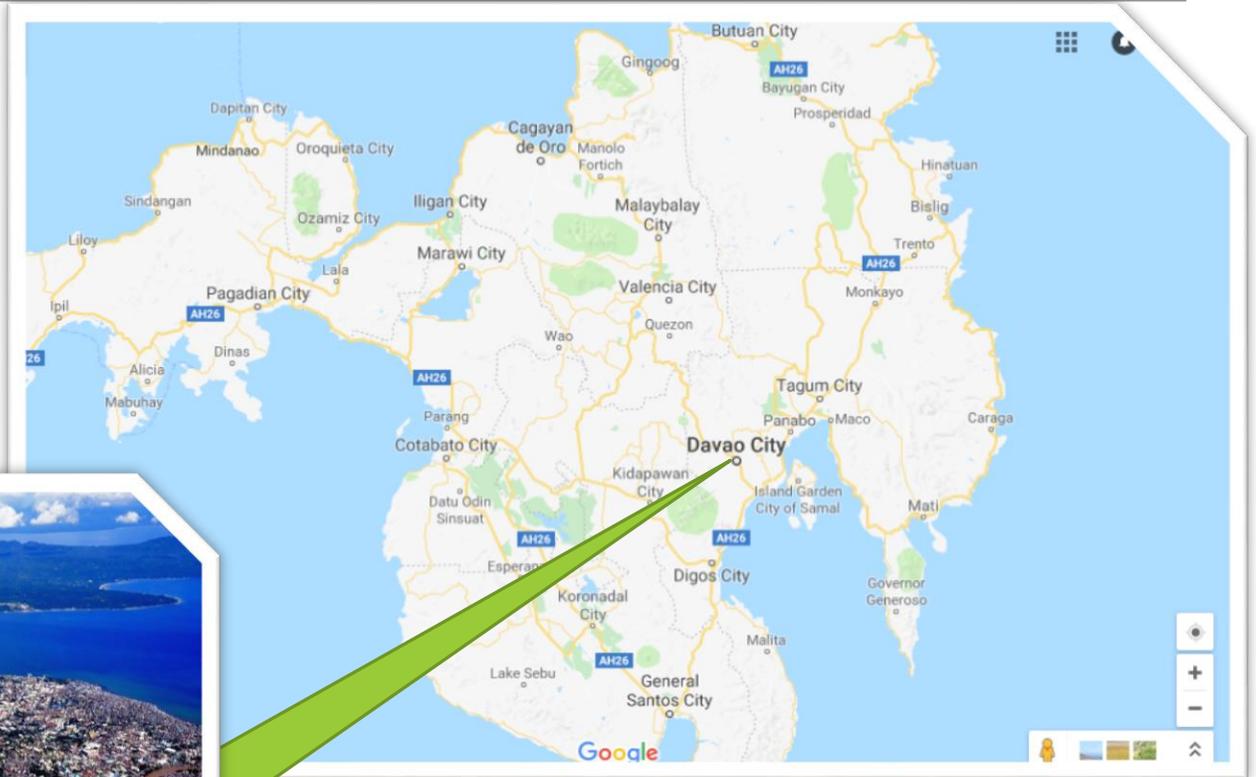
OFFICER-IN-CHARGE

OFFICE ON THE CITY PLANNING AND DEVELOPMENT COORDINATOR

The 2nd APEC Low-Carbon Model Town Symposium
20 September 2018

Davao City Location

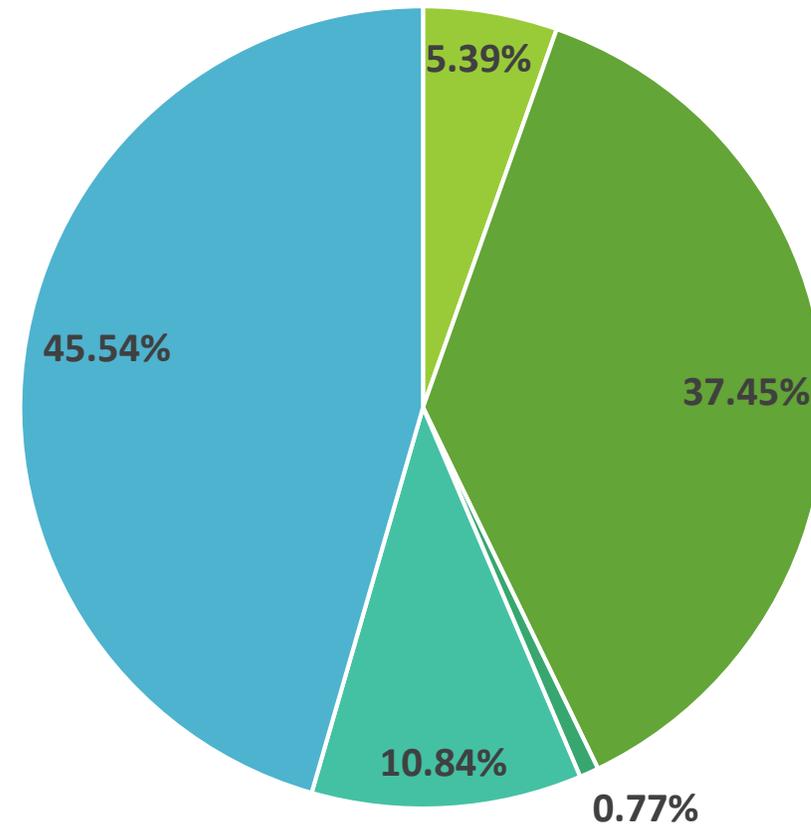
Located at the South-eastern portion of the island of Mindanao and the Southern part of the Philippine Archipelago, Located in the West Central area of Region XI,



Land and Water Uses

LAND USE IN HECTARES

Urban Use	13,150
Agriculture	91,386
Water Use	1,890
Forest	26,454
Grassland/Pasture	111,120
Total	244,000

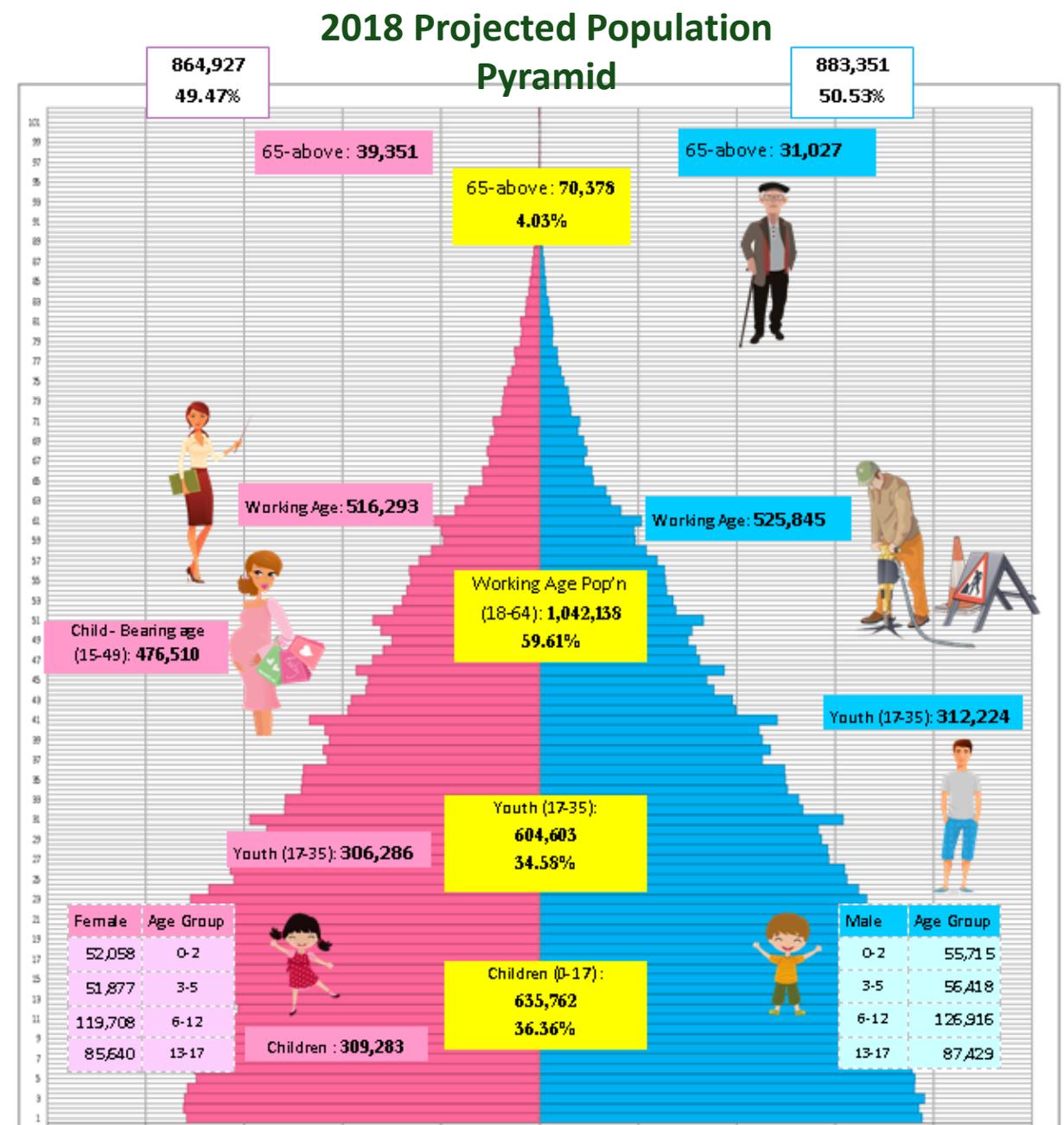


Population

2018 Total Projected Population 1,748,279

Doubling Time - 30.4 (in years)

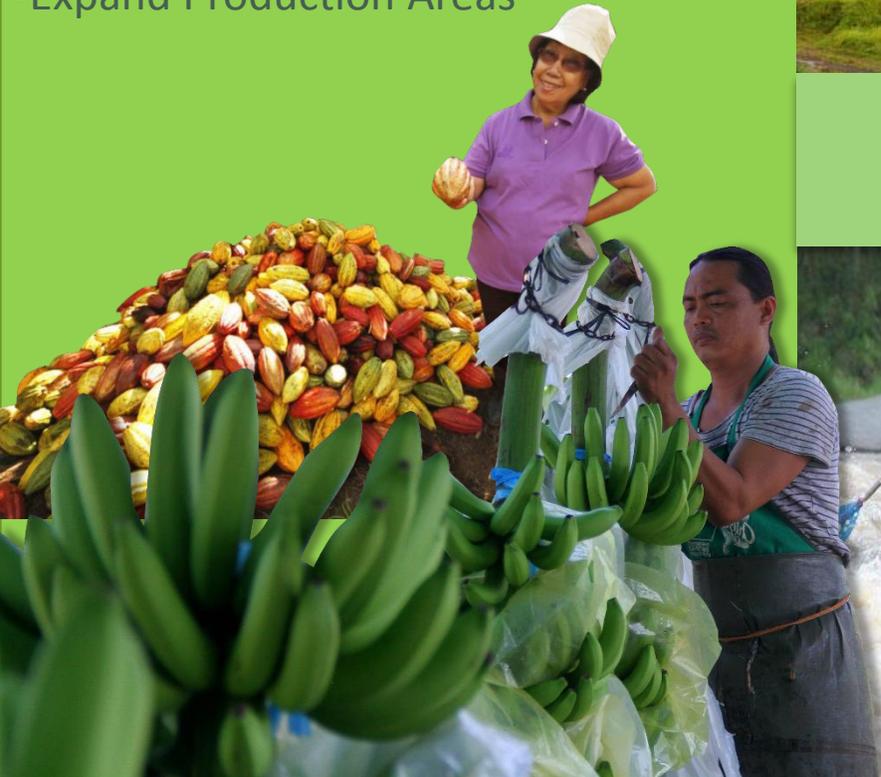
2015, Overall Dependency Ratio (per 100 persons)	64
Young (0 to 17 years old).	57
Old (65 years old and over)	7



Major Economic Drivers

AGRICULTURE / AGRO-PROCESSING

- Increase Farmer's Productivity and Profitability
- Expand Production Areas



ECO and AGRI TOURISM



INFORMATION & COMMUNICATION TECHNOLOGY



Tourism Industry

Tourist Arrivals	2016	2017	% Change
Foreign	124,863	126,294	1.14
Balikbayan/Overseas Filipinos	23,256	48,020	106.48
Local/Domestic	1,716,224	1,838,311	7.11
Total	1,864,343	2,012,625	7.95
Average Length of Stay (no. of days)	4.0	3.6	
Average Daily Expenditures (Php/day)	3,964	4,270	7.72
Estimated Tourist Receipts (Php Billion)	29.56	30.94	4.66
Estimated Economic Benefits (Php Billion)	65.03	68.06	4.65

Recent Awards

Award Title	Year	Award Giving Body
ASEAN Clean Tourist City Standard	2018	ASEAN/Department of Tourism

Vital Health Statistics

Indicator	2016	2017	% Change
% Deliveries by Skilled Births Attendance	90	92.09	2.09
% Fully Immunized Mothers (FIM)	53	56	3.0
% Contraceptive Prevalence Rate	50.70	61.2	10.5
Prevalence Rate of Malnourished Children (0-5years old)	3.30	3.06	0.24
% Households with access to potable water	98.80	98.80	-
% Households with sanitary toilets	91.60	92.34	0.74

Recent Awards

Award Title	Year	Award Giving Body
Champion for Health Governance, Excellence in Government for Healthy Communities Awards	2017	Department of Health (DOH)



Peace and Order

Indicator	2016	2017	% Change
Crimes reported	10,269	7,576	-26.22
% Crime Solution Efficiency	79.64	87.54	9.91
Monthly Crime Rate / 100,000 pop'n	52.74	39.00	-26.05

Recent Awards

Award Title	Year	Award Giving Body
Special Recognition as Most Peaceful & Safest City in Southeast Asia	2018	Philippine Chamber of Commerce & Industry (PCCI)/ Numbeo
Best City Police Office	2018	Philippine National Police (PNP) Camp Crame
Philippine Top Model City - Safe Haven Award	2018	The Manila Times

10 Key Priority Areas, 30 Doable Projects in 3 years

Poverty Alleviation | Infrastructure Development | Solid Waste Management | Health | Education | Agriculture | Tourism | Transportation Planning and Traffic Management | Peace and Order | Disaster Risk Reduction and Mitigation



BYAHENG DO30

1. POVERTY ALLEVIATION



- **Sustainable Livelihood Development Program**
- **Shelter Programs (Relocation Projects/Medium Size Socialized Housing)**
- **Standardization of Social Services and Residential Care Facilities**
- **Sustainable Reforestation Program for Upland Tribes**



2. INFRASTRUCTURE DEVELOPMENT



- **Construction of Major Road, Highways and Farm to Market roads**
- **Clean Surface Water as means of potable water supply**
- **Renewal Energy Development and Usage of Energy Saving Lighting Technology**
- **Underground Cabling and Piping of Utilities**
- **Drainage, Sewerage and Water Treatment System Development**
- **Modernization of Government Buildings and Facilities**



3. SOLID WASTE MANAGEMENT



- Establishment of Waste to Energy facility
- Development of New Sanitary Landfill Sites and Solid Wastes Segregation



4. HEALTH



- **Clean Air Davao Program**
- **Health Facility Enhancement Program**
- **Inclusive Health Programs/Projects/Activities thru “Life-Cycle Approach”**
- **Promotion of Healthy Lifestyle**
- **Reproductive Health Care Program**



5. EDUCATION



- **Improvement of Industry-based competencies**
- **Sufficiency in Education Facilities and Learning Materials**
- **Education Scholarship Program**



6. AGRICULTURE



- **Development of Davao City as the “Chocolate Capital of the Philippines”**
- **Completion of the Agri-Pinoy Trading Center at Daliao**
- **Organic Farming and Containerized Gardening**



7. TOURISM



- **Tourism Promotion in the South East Asia Region**
- **Tourism Development Program**
- **Community Based Tourism Village**
- **Riverside Development**
- **Tourism Information Center**
- **Tourism Development within the context of environmental regulations**



9. PEACE AND ORDER



- **Expansion of Central 911 Main Headquarter and Construction of Satellite Stations**
- **Intensify Campaign Against Illegal Drugs**



10. DISASTER RISK REDUCTION AND MITIGATION



- **Local Climate Change Action Plan**
- **Disaster Risk Reduction Management Plan**
- **Construction of Disaster Resilient Evacuation Centers**
- **Evacuation Management Plan**



Low-Carbon Measures in Davao City

Demand	1. Town Structure	<ul style="list-style-type: none"> • IM4 Davao Formulation • Transit-Orientation Development Planning • 10% Additional Greening/Greenspace • UEE Implementation Rules & Regulations • More Open Space Proposed • Coastal Road
	2. Buildings	<ul style="list-style-type: none"> • Green Building Ordinance • Rain Water Harvesting Law
	3. Transportation	<ul style="list-style-type: none"> • HPBS (High Priority Bus System) • Railway System/Monorail • Expressways (Bypass Road) • Coastal Road • Road Network Rationalizing Program

Low-Carbon Measures in Davao City

Supply	4. Area Energy System	None
	5. Untapped Energy	Waste To Energy (WTE) facility
	6. Renewable Energy	Hydro Electric Power Plans, Talomo Hydro 1, Talomo Hydro 2, Talomo Hydro 3, HEDCOR Agus Iligan
	7. Multi Energy System	Hydro Electric Power Plans, Talomo Hydro 1, Talomo Hydro 2, Talomo Hydro 3, HEDCOR Agus Iligan, Therma South
Demand & Supply	8.1.1 Energy Management System	None; Present in Source Industry Facilities but Interested
	8.1.2 Area Energy Management System (AEMS)	
	8.1.3 Micro Grid	None but interested

Low-Carbon Measures in Davao City

Environment & Resources	9. Greenery	<ul style="list-style-type: none"> • Park Maintenance (Botanical, Peoples Park, Islands, Quezon Park, Sta. Ana Park)/ Park Development (Brgy. 10) • Tree Growing/Forest Rehab • Mangrove Rehab • Adopt a Watershed Program • Riverbank Rehabilitation
	10. Water Management	<ul style="list-style-type: none"> • Rainwater Harvesting Law • Surface Water Development Project • Community Water System Development • Septage/Sewerage Treatment Plant

Low-Carbon Measures in Davao City

Environment & Resources	11. Waste Management	<ul style="list-style-type: none"> • Updating of Solid Waste Management (SWM) Plan • Biodiesel • Waste to Energy (WTE) Project • Establishment of Material Recovery facilities (MRF) • Operation of Sanitary Land Field (SLF)
	12. Pollution	<ul style="list-style-type: none"> • Green House Gas (GHG) Inventory Study with KITAKYUSKU • Operationalization of Water Quality Management Areas • Water Quality Monitoring Program • Smoking Regulation Ordinance • Anti-Smoke Belching Ordinance • Establishment of Water Shed Multipartite Monitoring Team • Coastal Clean-up • Organic Farming Ordinance

Low-Carbon Measures in Davao City

Governance	13. Policy Framework	Ordinance Number	Ordinance Title
		Ord. No. 999, s. 1974	Prohibiting the construction of Houses/or buildings with in the 50-meter distance from the highest tide level along the seashore of talomo beach
		Ord. No. 117-01, s. 2001	Water Resource Management and Protection Code of Davao City
		Ord. No. 0280-06, s. 2006	The Anti-Smoke Belching Ordinance-Protection of the Air Quality of Davao City

Low-Carbon Measures in Davao City

Governance	13. Policy Framework	Ordinance Number	Ordinance Title
		Ord. No. 0310-07, s. 2007	Watershed Protection, Conservation and Management Ordinance hereinafter referred to as the Watershed Code
		Ord. No. 0375, s. 2009	Establishment and Management of Davao City Maritime Protected Areas
		Ord. No. 0289-09, s. 2009	Davao City Rainwater Ordinance of 2009
		Ord. No. 0361, s. 2010	An ordinance providing for an Ecological Solid Waste Management prohibiting certain acts and providing penalties for violations, and for other purposes

Low-Carbon Measures in Davao City

Governance	13. Policy Framework	Ordinance Number	Ordinance Title
		Ord. No. 0363-10/2849-10, s. 2010	Septage and Sewerage Management Ordinance of Davao City
		Ord. No. 0367-12, s. 2012	The New Comprehensive Anti-Smoking Ordinance of Davao City
		Ord. No. 0546-13, s. 2013	The Zoning Ordinance of Davao City
		Ord. No. 0325-15, s. 2015	An Ordinance Closing off the City Davao to Mining
		Ord. No. 044-02	Creation of the Solid Waste Management Board
		Resolution Number	Resolution Title
		Res. No. 01163-08	Adopting the 10-year Integrated Solid Waste Management Plan 2008-20017 of Davao City

Low-Carbon Measures in Davao City

Governance	14. Education & Management	<ul style="list-style-type: none">• IEC Program on Solidwaste Management• Waste Disposal Management system Monitoring• Biodegradable Waste of Public Market Processed for Greening Program of the City• Issuance of Solid Waste Management Certificates relative to the issuance of business permits
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Self-evaluation Results of Davao City ²⁰¹⁶

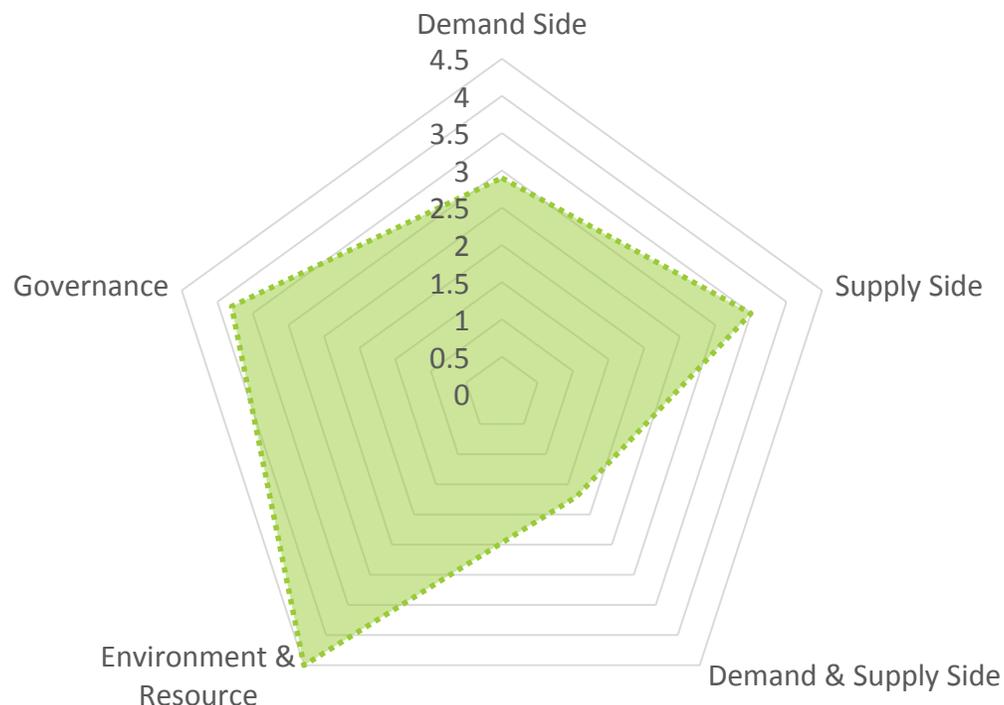
Demand Side - Development
 Planning focus must shift to address high energy use.

Supply Side - Need
 to enhance and tap other energy sources.

Demand and Supply
 - Need to monitor energy usage and manage/harmonize systems for optimal energy use.

Environment & Resource -
 Environmental Protection is top priority through proper implementation.

Governance -
 Policies in place



Future Plans of Davao City

Take initial steps in terms of measures, interventions and policy to achieve low carbon levels in the city of Davao

- Sustainable Periodic Green House Gas Inventory
- Sustainable Urban Resources Management Initiatives
- Formulation of Local Climate Change Action Plan (LCCAP)

Future Plans of Davao City

Demand Side

- Comprehensive Land Use Plan (CLUP)
- Transit Oriented Development (TOD)
- Implementation of Green Buildings (GB)
- Implement project in pipelines.

Supply Side

- Explore and research potentials in area energy.

Demand and Supply

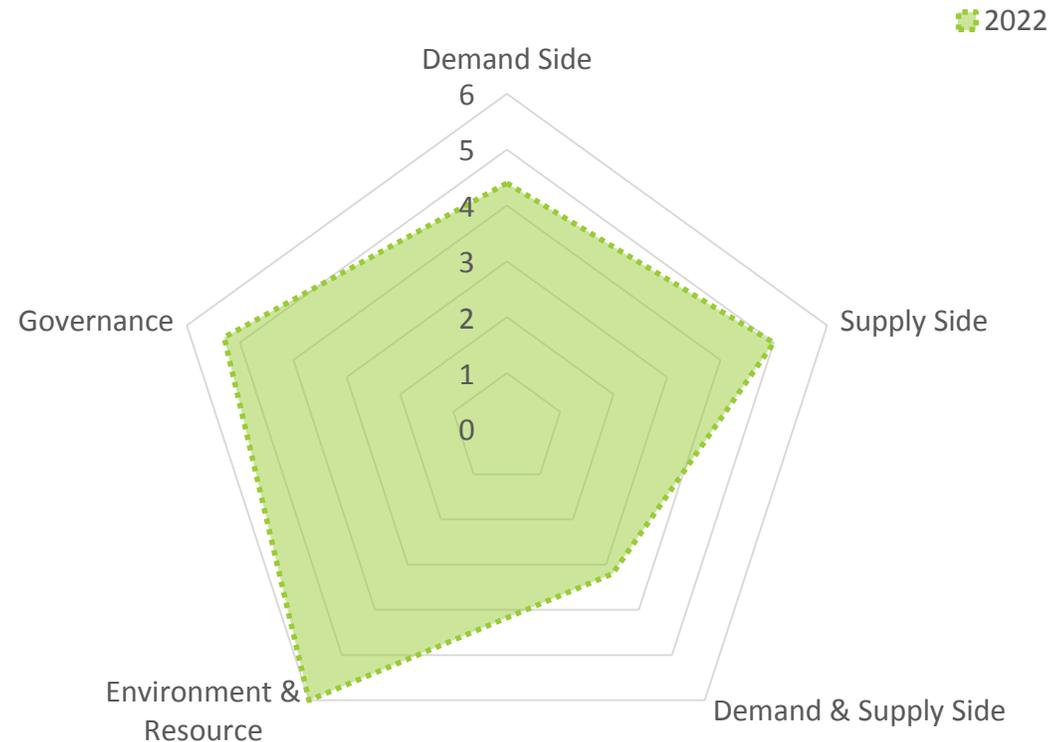
- Establish/formulation/ Management System.

Environment & Resource

- Sustain implementation of programs to protect and enhance environment.

Governance

- Review and update policies to attune to the times.



Feedback for LCT-I System

- Difficulties in the evaluation process.
Some description are hard to comprehend/measure/rank
- Utilization of evaluation results.
Policy/Agenda intervention
Formulation of programs & projects