

**Asia Clean Energy Forum 2016**

**Session 21**

**Friday 10 June, 11:00 AM - 12:30 PM**


**Track:** Innovations in Energy Efficiency

**Track Chair:** Mark Lister, Senior Advisor, Global Energy Efficiency Accelerator Platform, Copenhagen Center on Energy Efficiency

**Session Title:** Bridging the EE Perception Gap

**Mandaue City Presentation – June 9, 2016**

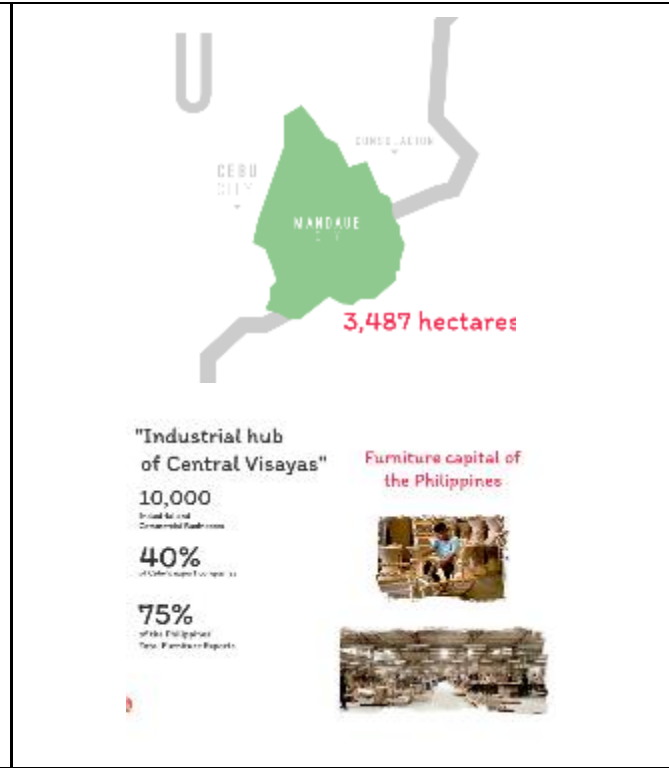
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SCRIPT	VISUAL
<p>Maayong buntag kanatong tanan! Good morning, distinguished guests, ladies and gentlemen. I am Atty. James Abadia, the City Administrator of Mandaue. /</p>	<p>Transcending Local Government Structures and Private Sector Boundaries to Mainstream Green Building Policies</p> 

Our city is located on the coastal plains of Cebu Province with a land area of 3,487 hectares with around 30% of existing land use dedicated to industrial and commercial purposes.

Mandaue City is home to some of the country's biggest industrial firms and commercial goods production, involved in furniture manufacturing, bottling, food processing, commercial farming, and timber production to name a few.

Our city is dubbed as the industrial hub of Central Visayas, hosting about 10,000 industrial and commercial businesses. It is host to 40% of Cebu's export companies and accounts for 75% of the country's total furniture exports, making the city the furniture capital of the Philippines.



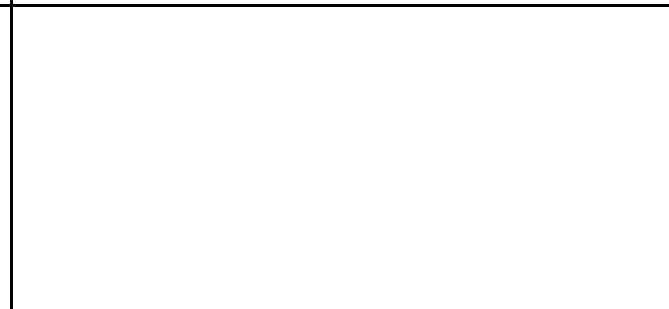
Mandaue City made a mark in the international community when it bested the Cities of Krasnoyarsk, Russia and Subang Jaya, Malaysia to win the distinction as the Low Carbon Model Town during the Asia Pacific Economic Cooperation Summit last October 2015.

This allows us to become an active contributor to the development of the concept and indicators for APEC Low Carbon Towns and to benefit from technical support on feasibility studies for our programs on transport, power and energy-efficiency.



Mandaue City is poised to be the primary source of high-quality manufactured consumer products by 2020 given its growing industrial and commercial base.

We understand how this translates to greater energy and resource utilization, thus, we committed to an ongoing strategy that is timely and appropriate - the implementation of the Mandaue Green Building Program and Investment Code with our external stakeholders and the business community.



Our 2020 Vision-Mission serves as our guide or destination. This answers the what. The Performance Governance System helped us identify the objectives, metrics and initiatives to attain our goals and bridge city-wide performance gap.

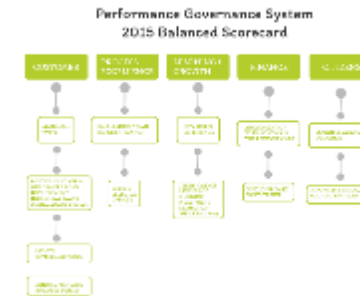
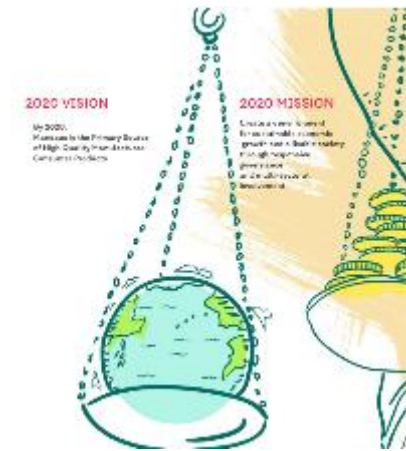
These also further supported our process of consensus-building by addressing perception gaps particularly on policies and defining our synergies and relationships among internal and external stakeholders.

In keeping with our mission, we decided to pursue the Green Building Program, designed to ensure a balance between economic growth and environmental sustainability in Mandaue.

It was not an easy path but we persevered. We successfully addressed institutional hurdles leading to the City Council passing the ordinance

We organized a series of workshops and trainings to help all stakeholders gain an appreciation on Green Building and Sustainability. The workshop provided focus on various key elements of what will constitute our rating system, including energy efficiency, which is crucial to Green Buildings. Being an ISO-certified LGU, we need to ensure a seamless process of its implementation.

We recognized that the private sector and project developers will be affected once the ordinance is implemented. Thus, even as early as 2013, the city initiated a series of consultations to introduce the concepts of Green Building and sustainability, explain the rationale and benefits of the ordinance and get support from this vital sector. We worked hard in providing the necessary orientation and trainings on Green Building to our external stakeholders to help them with their compliance, once the ordinance is enacted. To provide incentives for compliance, we also further enhanced our Investment Code.



We believe that the Green Building Program can address the environmental challenges related to buildings while providing an inviting investment atmosphere for future sustainable developments in the city.

We developed the program with assistance from the United States Agency for International Development, through its Building Low Emission Alternatives to Develop Economic Resilience and Sustainability Project. The B-LEADERS Project, which focuses on climate change mitigation, provided institutional capacity-development, particularly in the implementation of the code and the drafting of its Implementing Rules and Regulations.

In line with our Vision-Mission, we enacted the Green Building Code of Mandaue last November 2015 followed by the approval of its Implementing Rules and Regulations last month.

The Green Building Ordinance of Mandaue City is the city's policy on improving the resource efficiency of buildings, contributing to the global efforts of reducing Greenhouse Gas emissions, and minimizing the impact of buildings on health and environment. The holistic program promotes the sustainability in the design, construction, and operations of buildings within Mandaue. We adopted rating tools to verify the performance of building projects in the city.

The ordinance applies to all buildings within the city, whether public or private. All are encouraged to incorporate green building in its design, construction, renovation, and operations.

Leading by example, public buildings are required to be designed, built, and operated as green buildings. We hope to lead by example, making sure that all public buildings are also green buildings. Private projects in Planned Unit Development areas in the city are required to have green building certification under the BERDE Green Building Rating System. While, Heritage or cultural buildings and post-disaster shelters and structures are exempted from the ordinance.



Green Building Rating System



	REQUIRED	EXEMPTED
<b>PUBLIC</b>	✓	
<b>PRIVATE</b>	✓	
<b>HERITAGE/CULTURAL</b>		✓
<b>POST DISASTER SHELTER</b>		✓

This is a city-wide push for green buildings, with focus on commercial and industrial activities, which are the most energy-intensive sectors in the Philippine economy. Energy has emerged as a critical economic issue and top priority for both national and local governments. According to the Philippine Department of Public Works and Highways, energy use by buildings account for roughly 36% of the total energy used today. As such, buildings can be seen as areas of opportunity for innovations in energy efficiency and low carbon growth.

Green buildings option can address the reduction of energy consumption through renewable energy, energy efficiency, and passive strategies.

It is fundamental to the effort to slow down the pace of global climate change.

In Mandaue, our stakeholders, specially building owners, realize that they have to do more than just their fair share. Green building, as a winning strategy, not only reduces their energy consumption and pushes them to invest in efficient equipment, it also facilitates and allows them to become game changers for the environment.

According to DPWH, a nationwide implementation of a Green Building Code can save business and consumers 35.2 billion pesos by 2030.

### Energy use by buildings

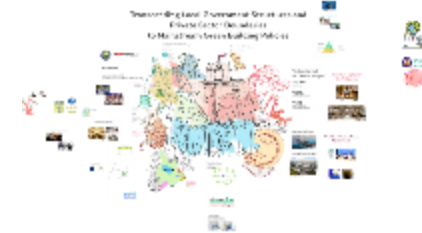


We have high hopes as we move forward with the implementation of the Green Building Code. With support from the USAID B-LEADERS Project, the Code's implementing rules and regulations have been finalized, to be complemented by a Green Building Toolkit and Investment Package for our stakeholders.

We recognize that the promotion of environmentally responsible and resource-efficient green buildings complement the overall growth strategy of the city.

As a key regional hub in the Visayas, we aim to create an environment for sustainable economic growth and a livable society through responsive governance and multi-sectoral involvement.

We invite you to be part of our story as Mandaue City continues to grow. We are proud to share with the rest of the country and the world our pursuit of green buildings as a strategy for smart growth and sustainable development.



Daghang salamat!

