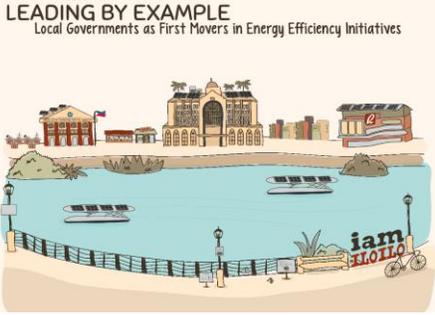
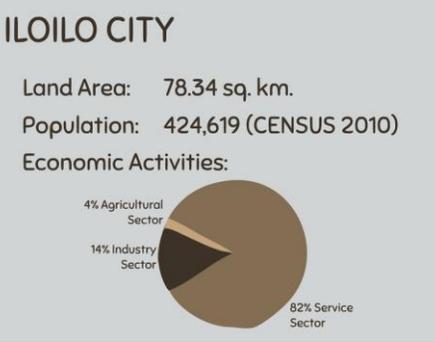


ACEF 2016

Iloilo City Presentation Storyboard

As of June 9, 2016

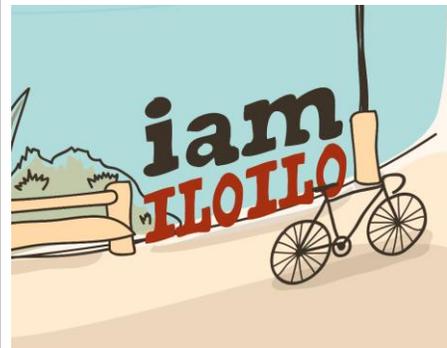
FINAL – PATRICIA SALVANERA

SCRIPT	VISUAL
<p>Good afternoon, I am honored to represent my city, the City of Iloilo and to share with you how we mobilized our stakeholders towards low carbon development. /</p>	
<p>Iloilo City is located in Central Philippines, about an hour away from Manila, by plane.</p> <p>Iloilo City pride itself as one of the oldest city in the Philippines. Then and now, it is the center of commerce, education and governance in the region.</p> <p>In 1855 when the Port of Iloilo was opened, international trade prospered making Iloilo an important economic and urban center, 2nd only to Manila. /</p>	

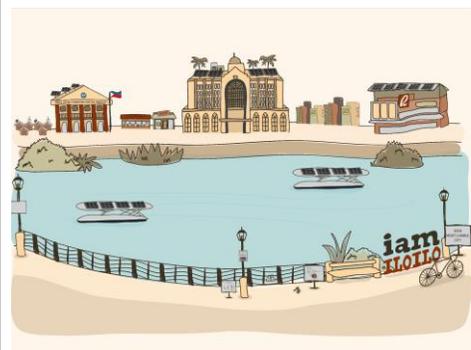
Today Iloilo is fast growing and will soon / re-emerge as an important economic center in the country. /



Despite of rapid urbanization, Iloilo City was recognized / as one of the most livable city in 2014.



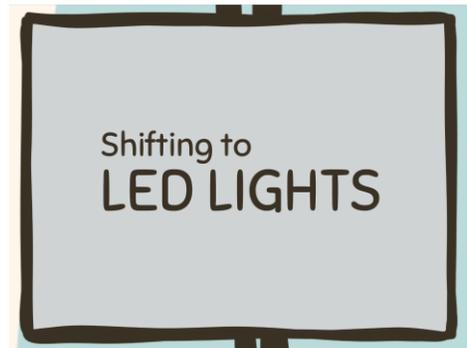
Presently, the city possesses / the opportunity for greater economic growth in the future and because of this we foresee environmental issues that goes with it and the pressing challenge to remain sustainable and livable. /



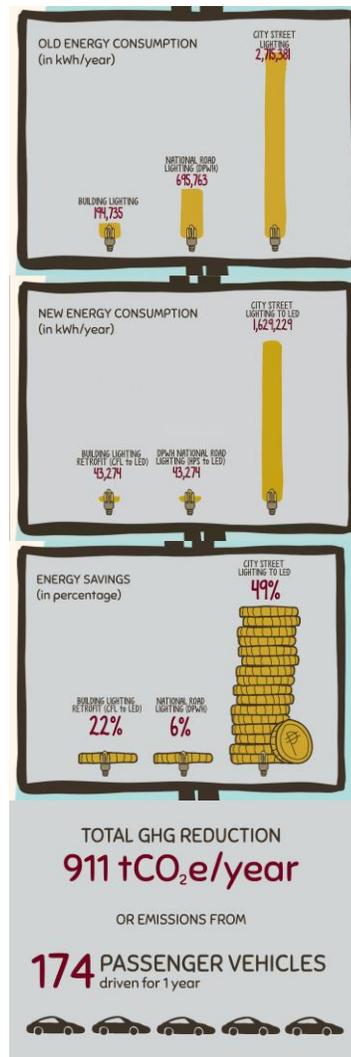
The next few slides / will demonstrate how local governments can initiate local actions to protect climate change.



We have taken steps / to reduce greenhouse gas emission through energy efficiency / by promoting CFLs in the early days of the program and now the use of LEDs. /



The recent retrofitting of street lights by the city government / and national roads by the national government resulted to an energy from as low as / 6% and as high as 49% or an equivalent of //// 911 tons of Carbon dioxide avoided annually. /



Since 2012, Iloilo is one of the pilot cities of the US government's / Partnership for Growth Program along with other local government units, namely Batangas in Luzon and Cagayan De Oro in Mindanao. Later, three more cities joined the program. These are Zamboanga, Tagbilaran and Puerto Princesa.

The program aims to strengthen the economic competitiveness and resiliency of these cities.



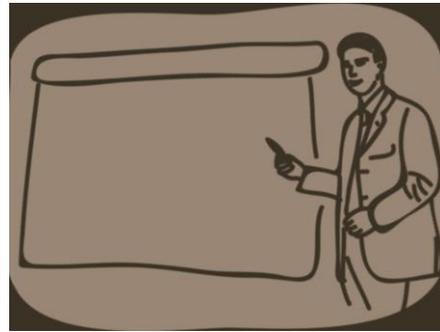
Alongside the Partnership for Growth Program of the US Government is the / Enhancing Capacity for Low Emission Development Strategies or EC-LEDS Program. This is particularly focused on Greenhouse Gas mitigation. This is a timely technical assistance for cities like ours, where sustainability is a pressing issue. /



We have enormously benefitted from these programs, especially the transfer of / knowledge and opportunities to improve our capacity to manage Greenhouse gas emissions through the use of toolkits provided to us by the program. /



EC-LEDS is being locally implemented by the Building Low Emission Alternatives to Develop Economic Resilience and Sustainability or B-LEADERS team. The city maintains a strong partnership with the B-LEADERS team in promoting its mitigation activities. /



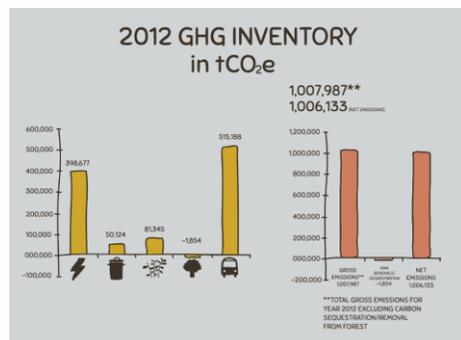
EC-LEDS has 2 major anchor approaches: / One is to increase utilization of renewable energy and the promotion of energy efficiency. /



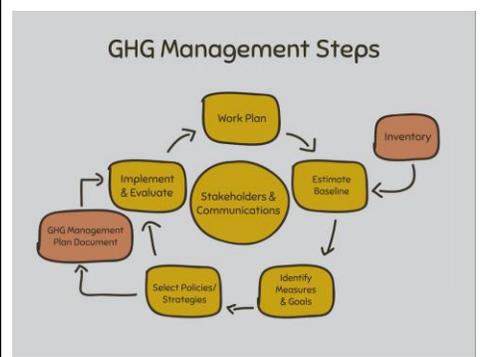
We believe in the saying that we cannot manage what we cannot measure; It is important for us to know how much we are contributing to the country's greenhouse gas emissions. /



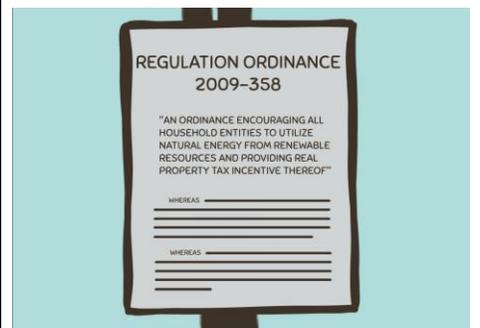
Hence, we initiated a Greenhouse Gas inventory in 2012 with the assistance from USAID. This provided us with the baseline emissions both at entity and community levels. This also helped developed the capacity of our academic institutions and our own selected employees who participated in the conduct of Greenhouse Gas inventory. Other stakeholders also helped us in developing our inventory. As a result, we were able to identify our sources of emission, majority of which came from energy and electricity use.



From the results of our Greenhouse Gas Inventory, / we were able to design a Greenhouse Gas Management Plan that helped us identify specific mitigation measures.



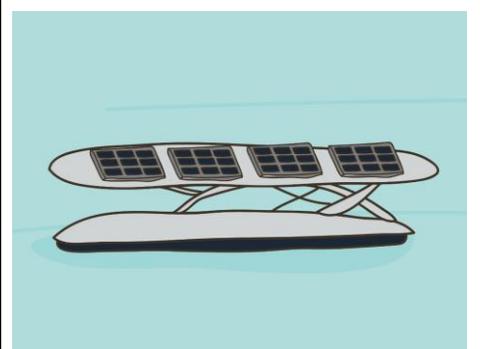
Iloilo City also passed an ordinance / providing an incentive of 20% discount on real estate taxes to households using renewable energy. /



This has so far attracted / 24 households, with two having availed of the net-metering scheme where they can offset the incoming kilowatt consumption from the electricity produced by the solar home system.



Along with our initiative to promote eco-tourism in Iloilo River / we are also demonstrating the use of a solar assisted boat that will ferry tourists from the heritage areas of the city to the mangrove areas of the river /



Subscribing to the principle – WALK the TALK - the city government instituted an energy efficiency program in the City Hall as an example. /



We can proudly say that our city hall is referred to as the first Green Building in the Visayas region.



The City Hall / boasts of a rooftop equipped with solar-assisted air conditioning units for all offices at the 7th floor. The city saves roughly 1,200 US Dollars in electricity cost a month and estimated carbon dioxide equivalent avoided is placed at 36 metric tons monthly. /

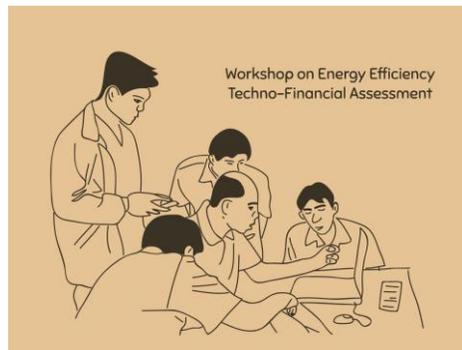


The rooftop is also landscaped with green plants and has a rainwater harvesting facility. /

After taking the lead in instituting energy efficiency measures, We engaged the private sector and external stakeholders to also adopt the program. /



Efforts to build the capacity of the private sector in conducting energy audits and techno-financial assessments are now paying off. /



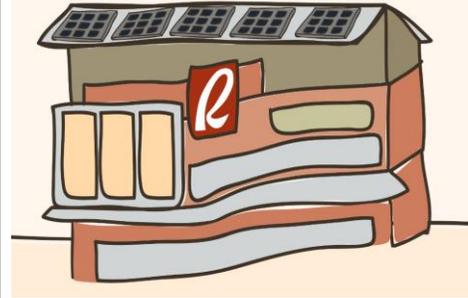
Successful outcomes on the application of renewable energy and energy efficiency projects have already been reported. Two of our best practices have been demonstrated by an academic institution, JB Lacson Foundation Maritime University; and a commercial center.

SUMMARY OF ASSUMPTIONS & RESULTS			
LIGHTING SYSTEM	EXISTING	PROPOSED	SAVINGS BY FINISH
PRE-CONDITIONAL SYSTEM	EXISTING	PROPOSED	PROJECT PERFORMANCE
OPERATIONAL & MAINTENANCE COST			
INVESTMENT COST			

JB Lacson / is the first university in Western Visayas to implement a rooftop solar Photovoltaic system. / However small at 70 kilowatt peak, it is generating a monthly savings of around 500 US Dollars and greenhouse gas emission reduction of more than 50 tons of carbon dioxide equivalent annually. / The university has also shifted to LED lighting and they are saving on electricity cost of around 3,000 US Dollars per year.



In the commercial sector, / Robinsons Place-Iloilo constructed more than / half-megawatt rooftop solar Photovoltaic system that will generate savings of around 20% in their electricity bills and avoid emission of more than 400 tons of carbon dioxide equivalent. Together with its locators inside the mall, / the company is continuously implementing LED lighting retrofit, now saving 68% and reducing 92 tons of carbon dioxide equivalent annually. Chillers replacement to water-cooled type is also being pursued.



These examples demonstrate / how local governments can initiate and influence climate change mitigation actions at the local level. These city-led examples help promote energy efficiency and resource conservation; Walking the talk can inspire stakeholders to replicate especially in our case where the city has to sustain efforts to balance ecological sustainability with economic progress.

I hope that our experience can inspire other public sectors to also come up with initiatives that lead to a low carbon development path and help address climate change.

Local governments are the front liners in this effort and it is our role and duty to protect the environment. Maraming Salamat! Thank you!

LEADING BY EXAMPLE
Local Governments as First Movers in Energy Efficiency Initiatives

