

# **B-LEADERS Project:**

## Initiatives on the Development of LCCAP

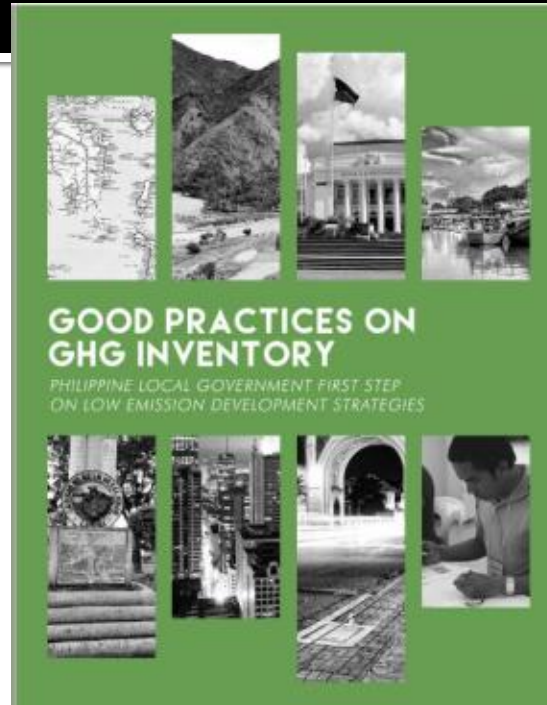
# Outline

- B-LEADERS Project
- Partnership with LGUs and Private Partners
- Capacity-building Workshop Series on LCCAP Development
- LCCAP Tools
- Challenges

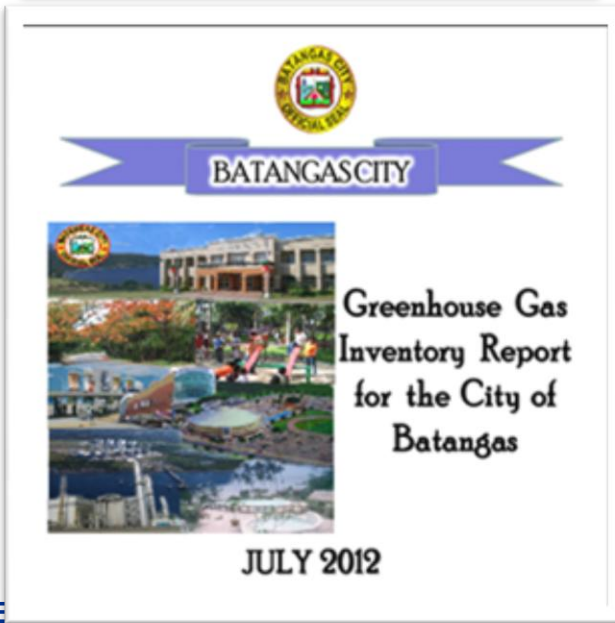
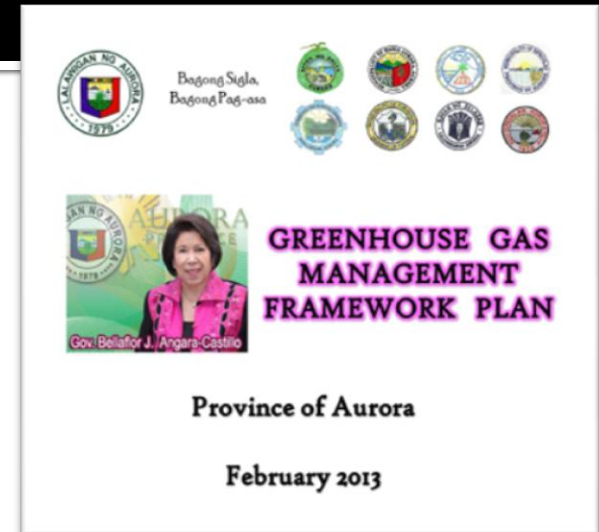
# LGU and Private Sector GHG Management: Translating into Local Actions

- Thru Climate Change Commission (CCC)
- Thru PLENRO, Inc.
- Thru Cities Development Initiatives (CDI) Sites
  - Iloilo City
  - Batangas City
  - Tagbilaran City
  - Cagayan de Oro City
  - Zamboanga City

# LGU and Entity-Level Guidance Manuals on GHG Inventory and GHG Management Plan



GHG Emissions Summary				
	Emission Source	GHG Emissions Tonnes CO <sub>2</sub> e	Proportion of Total Emissions	Weighted Uncertainty
1	<b>Scope 1 Emissions (Sum of Fugitive and Land Use)</b>			
2	GHG Emissions from Community-Level/Fugitive: Stationary Fuel Use	0.00	0.00%	
3	GHG Emissions from Community-Level/Commercial: Stationary Fuel Use	0.00	0.00%	
4	GHG Emissions from Community Mobile Combustion	0.00	0.00%	
5	GHG Emissions from Solid Waste Disposal - IPCC FOD Method	0.00	0.00%	
6	GHG Emissions from Other Solid Waste Treatment: K2CO <sub>3</sub>	0.00	0.00%	
7	GHG Emissions from Solid Waste: Open Burning: K2CO <sub>3</sub>	0.00	0.00%	
8	GHG Emissions from Wastewater Treatment and Discharge	0.00	0.00%	
9	GHG Emissions from Community Land/Agriculture: Crops	0.00	0.00%	
10	GHG Emissions from Community Land/Agriculture: Livestock	0.00	0.00%	
11	GHG Emissions from Solid Waste Disposal - Inside LGU Geographical Boundaries: K2CO <sub>3</sub>	0.00	0.00%	
12	GHG Emissions from Wastewater Treatment and Discharge (Other Sources)	0.00	0.00%	
13	<b>GHG Emissions from Fugitive Discharges and Boundary Use</b>	0.00	0.00%	
14	<b>Total Emissions</b>	0.00	0.00%	



# Projects of the USAID that supported the LGU GHG Community-level Inventory

We have conducted GHG inventory training workshops to more than **200** Local Government Units nationwide;

We had **6** LGU GHG Inventory Reports validated by a Third Party;

**3** LGU GHG Inventory Reports passed the validation and have been published;

We initially started with the Entity-level inventory before proceeding to the Community-level inventory





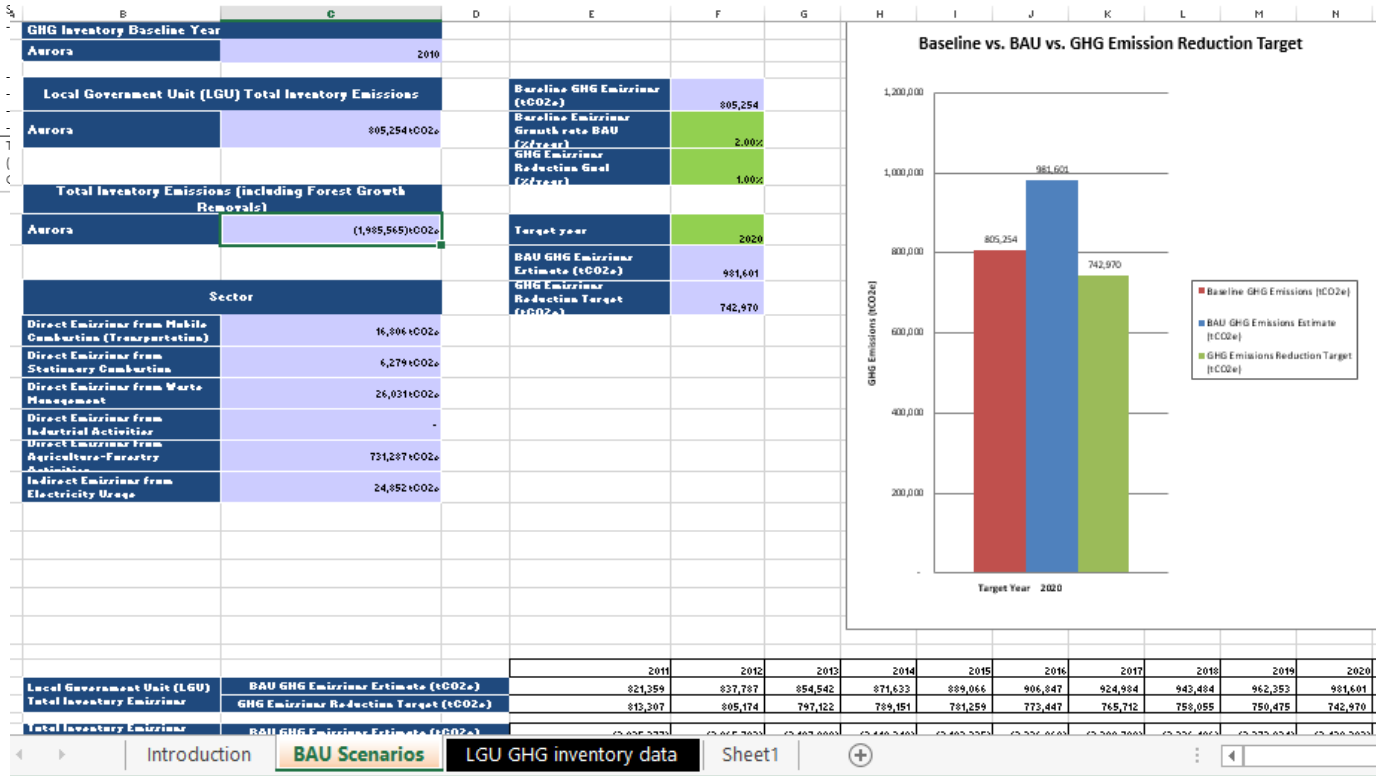
# Energy Audit Trainings and Walkthrough



# LEDS Tools

## GHG Emissions Calculator Toolkit Comparison

Toolkit	Year Developed / Pilot	Contractor / Subcontractor	Primary Target Users	Baseline and Reference Data Used	Purpose	Features	Functions (How it works)
BAU GHG Emissions Tool	2014	First Environment	LGUs	<ul style="list-style-type: none"> <li>GHG Inventory data (following base year of LGUs' GHG Inventory report) from pilot batch of trainees/users of the toolkit in 2014 - Aurora Province, Batangas City, Makati City, and Iloilo City</li> </ul>	<ul style="list-style-type: none"> <li>Provides projections of emissions in future years if no initiatives are undertaken.</li> </ul>	<ul style="list-style-type: none"> <li>The toolkit provides the user with data entry field that will, based on existing reference/baseline data, automatically compute for the LGU's projected GHG emissions under BAU.</li> <li>It will reflect the results of</li> </ul>	<ul style="list-style-type: none"> <li>The BAU toolkit has a user input field to allow data entry for baseline emissions growth rate BAU (% per year), GHG emissions reduction goal (% per year),</li> </ul>
Transportation Tool	2014	First Environment	LGUs				



# LEDS Tools

- GHG Calculator Buildings
- GHG Calculator Energy
- GHG Calculator Transportation
- GHG Calculator Waste
- EE Techno Financial Evaluation Sheet



# LCCAP Workshop Series



## Visayas Leg

- Attended by 55 environment officers from different cities and municipalities in Western Visayas



# LCCAP Workshop Series



## Luzon Leg

- Attended by 47 environment officers, planning officers, DRRMOs and representatives from Region IV-A and NCR LGUs

# LCCAP Workshop Series



## Mindanao Leg

- Attended by 23 environment officers, planning officers and representatives from Region XI LGUs

# 2017 PLENRO National Convention



- Attended by 470 city/municipal/provincial environmental officers or designate and advocates from 279 LGUs





# Proposed LCCAP Template

- B-LEADERS Project is supporting the advocacy of the PLENRO in capacitating LGUs in developing, implementing, and supporting climate change mitigation policies, plans, and programs through GHG accounting and management.
- **Three (3) templates** have been drafted to assist interested LGUs in enhancing the mitigation component its LCCAP

# Proposed LCCAP Template

- The **main reference** document for these templates is the **LGU Guidebook on the Formulation of the Local Climate Change Action Plan**, which *strongly suggests identifying mitigation options to help reduce carbon footprints of the LGU and communities.*
- The templates were customized for LGUs at varying stages in developing the mitigation components of their respective LCCAPs.



# Proposed LCCAP Template

The proposed [Template 1](#) was designed for LGUs that do not have any or are still in the process of drafting the following documents:

- Local Climate Change Action Plan (using the current DILG suggested narrative template)
- Greenhouse Gas Inventory Report
- Greenhouse Gas Management Plan
- Climate Change Adaption - Disaster Risk Reduction Plan

# Proposed LCCAP Template

The proposed [Template 2](#) was designed for LGUs that have at least one of the following documents:

- Greenhouse Gas Inventory Report
- Greenhouse Gas Management Plan
- Climate Change Adaptation - Disaster Risk Reduction Plan

The proposed [Template 3](#) was designed for LGUs that have existing LCCAPs using the current DILG suggested narrative template.

These templates are works-in-progress and are subject to further guidance from the Department of the Interior and Local Government (DILG) and other relevant implementing agencies under Republic Act 9729.

# Outline of proposed LCCAP: A Convergence of Mitigation and Adaptation

- I. Background and Rationale →
- II. Vulnerability & Adaptation Assessment Result
- III. LCCAP Objectives →
- IV. Adaptation Actions →
- V. Monitoring and Evaluation
- VI. References & Annexes →

Part 1: Background and Rationale

Part 2: Mitigation

Part 3: Adaptation

Part 4: Way Forward

References & Annexes

# **Outline of proposed LCCAP: A Convergence of Mitigation and Adaptation**

Part 1: Background and  
Rationale

Part 2: Mitigation

Part 3: Adaptation

Part 4: Way Forward

References & Annexes

## **Part 2: Mitigation**

Section 1: Introduction

Section 2: Mitigation Potential  
Assessment

Section 3: Plan Objectives

Section 4: Mitigation Action

Section 5: Monitoring and  
Evaluation

# **Outline of proposed LCCAP: A Convergence of Mitigation and Adaptation**

## **Part 2: Mitigation**

Section 1: Introduction

Section 2: Mitigation

Potential

Assessment

Section 3: Plan Objectives

Section 4: Mitigation

Action

Section 5: Monitoring and  
Evaluation

## **Part 3: Adaptation**

Section 1: Introduction

Section 2: Vulnerability  
and Adaptation

Assessment Result

Section 3: Plan Objectives

Section 4: Adaptation

Action

Section 5: Monitoring and  
Evaluation

# **Outline of proposed LCCAP: A Convergence of Mitigation and Adaptation**

## **Part 2: Mitigation**

Section 1: Introduction

Section 2: Mitigation  
Potential  
Assessment

Section 3: Plan Objectives

Section 4: Mitigation  
Action

Section 5: Monitoring  
and  
Evaluation

## ***Key Supporting Documents***

### **✓ GHG Inventory Report**

- LGU profile
- Baseline Emissions
- Emission Trends
- Key category analysis

### **✓ GHG Management Plan**

- Emission Reduction Potentials
- List of PPAs - Mitigation Actions
- List of Priority PPAs
- Emission Reduction Target



# Outline of proposed LCCAP: A Convergence of Mitigation and Adaptation

## Part 2: Mitigation

Section 1: Introduction

**Section 2: Mitigation  
Potential  
Assessment**

Section 3: Plan Objectives

Section 4: Mitigation  
Action

Section 5: Monitoring  
and  
Evaluation

## Section 2: Mitigation Potential Assessment

- Baseline Emissions
- Emission projections
- Resource Assessment Potential
  - RE
  - Forest/Mangrove
  - Others
- Evaluation of Mitigation options, if available
- Energy Efficiency Audit Results

# Outline of proposed LCCAP: A Convergence of Mitigation and Adaptation

## Part 2: Mitigation

Section 1: Introduction

Section 2: Mitigation  
Potential  
Assessment

Section 3: Plan Objectives

**Section 4: Mitigation  
Action**

Section 5: Monitoring  
and  
Evaluation

## Section 4: Mitigation Actions

- List of PPAs identified in the GHG Management Plan
- *Matrix form for simple presentation*

# Major Issues Raised

- Technical Assistance with respect to conduct of GHG Inventory and GHG Management Plan
- Action Plan to develop GHG Inventory and GHG Management Plan to supplement the mitigation component of the LCCAP
- Legal Mandate, Key Office In-charge, Team Composition
- Defined Outline and Template
- LGU Representation

**SALAMAT PO!**  
**THANK YOU!**