

Comments on Reports by Participating Towns and APEC LCMT Project

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APEC Low-Carbon Model Town Project Wrap-up Symposium

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MICHI CREATIVE CITY DESIGNERS INC.

Summary of the reports (1)

Towns	Economies	Phases
San Borja	Peru	Development
Mandaue	The	
Davao	Philippines	Dissemination
Banda Ache	Indonesia	
Phu Quoc	Vietnam	

Section 1 - Achievements

- Quantitative data of GHG emission reduction have not been obtained in the volunteer towns of the dissemination phase.
- Adequate amendments and reinforcements on existing laws, regulations and ordinances have been made to be in line with LCMT recommendations.
- Momentum towards the low-carbon towns has been raised among both municipalities and the communities of residents.
- Understanding on the ways to tackle GHG emission reduction and to monitor the current status and progress of efforts has been disseminated among participants.

Section 2 – Areas of opportunity

- Difficulties in obtaining data with accuracy and transparency from many stakeholders including private sectors – *Will become a “MUST” anyway*
- Capacity building of municipality human resources with skills of data analysis and action planning – *An area APEC can assist member economies*

Summary of the reports (2)

Towns	Economies	Phases
San Borja	Peru	Development
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Section 3 – Looking ahead

- Local governments should work with the central governments to coordinate their plans with the central policies in order to continue their low-carbon plans.
- For the prioritization of low-carbon policies over other policies, consultations by external organizations like APEC are effective.

Section 4 – About the LCMT project

- All the participating towns recognize the LCMT project and LCT-I useful.
- They have learned the methodologies of fact finding, identifying the priority areas, and systematic planning from the LCMT project.
- Some action items suggested may fall in central government's responsibility, and it would be helpful to municipalities if the APEC documents included hints on the capacity building of municipality personnel on this issue.

Summary of the reports (3)

Reinforcement of policies, laws, regulations and ordinances

Categories	Examples of focus areas
GHG emission reduction	<ul style="list-style-type: none">✓ Local Climate Change Action Plan (LCCAP)✓ Promotion of sustainability education
Building	<ul style="list-style-type: none">✓ Green Building Code✓ No building zone along a river
Transportation	<ul style="list-style-type: none">✓ Ordinance on bike-lane✓ High Priority Bus System and BRT
Solid waste management	<ul style="list-style-type: none">✓ Solid waste collection
Water treatment	<ul style="list-style-type: none">✓ Ordinances on water (river) environment
Land use and greenery	<ul style="list-style-type: none">✓ Enforcement of comprehensive land use plan (CLUP)✓ Forest Land Use Plan (FLUP)

Achievements of significances (2)

Banda Ache, Indonesia



Waste collecting point



Methane collector



Collecting methane gases from sanitary landfill



Utilization of solar panels

San Borja, Peru



Urban greening by citizens



Solid waste management and recycling



Kallpa Wasi Eco Park for education

Change in the Landscapes of Low Carbon Towns

2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

Jun

APEC Energy
Ministerial Meeting

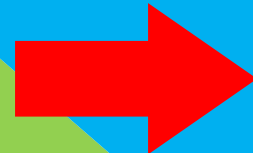
Dec

COP21
Paris Agreement

Apr

Climate Summit
Commitments for
acceleration of actions

Low Carbon Town



Zero Carbon Town

All the cities and towns on the Earth shall have to become “Zero Carbon Towns”.

Being a “Low Carbon Model Town” will no longer be a special status, but just universality.

Continuous Values of APEC Low Carbon Model Towns

The unchanging:

Methodologies towards Zero Carbon Towns, the participating towns learned from Low Carbon Model Towns Project

- ✓ Approaches in five aspects: (1) Demand side, (2) Supply side, (3) Demand and supply sides, (4) Environment and resources, (5) Governance
- ✓ Self-assessment and progress monitoring by Low-Carbon Town Indicators

The volatile:

Technologies applicable and available

- ✓ Energy-related technologies
- ✓ Measurement and forecasting
- ✓ Data analytics and AI
- ✓ Hydrogen society

Opportunities of the Improvements

The “Concept”:

- ✓ Sixth Edition, the latest edition, was published in November, 2016, and nearly five years have passed since then.
- ✓ Technologies and the “best practices” have changed and evolved during these years.

Issues

Proposal

- Periodical (biennial?) revision of “The Concept of the Low-Carbon Town in the APEC Region” to include the latest technologies and examples (*APEC’s regular funding*)

LCT-I:

- ✓ Selection of indicators unsuitable to developing economies
- ✓ Uneven and irrational weighing among assessment areas

Issues

Proposal

- Full-fledged revision of LCT-I (*Onetime cost*)



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Thank you for your attention !