

39<sup>th</sup> APEC New and Renewable Energy Technologies Expert Group Meeting

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# Report on APEC Low-Carbon Model Town Task force Activities

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December 2012

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METI, Japan

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2. Overview of the APEC Low Carbon Model  
Town (LCMT) Project
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# 1 APEC LCMT Task Force Meeting (1)

## 9th APEC Energy Ministers' Meeting (Fukui, Japan, 19 June 2010)

Ministers agreed to

- ✓ Launch the APEC LCMT Project
- ✓ Establish a Task Force
- ✓ Implement Yujiapu Center Business District Development Project as the first case



# 1 APEC LCMT Task Force Meeting (2)

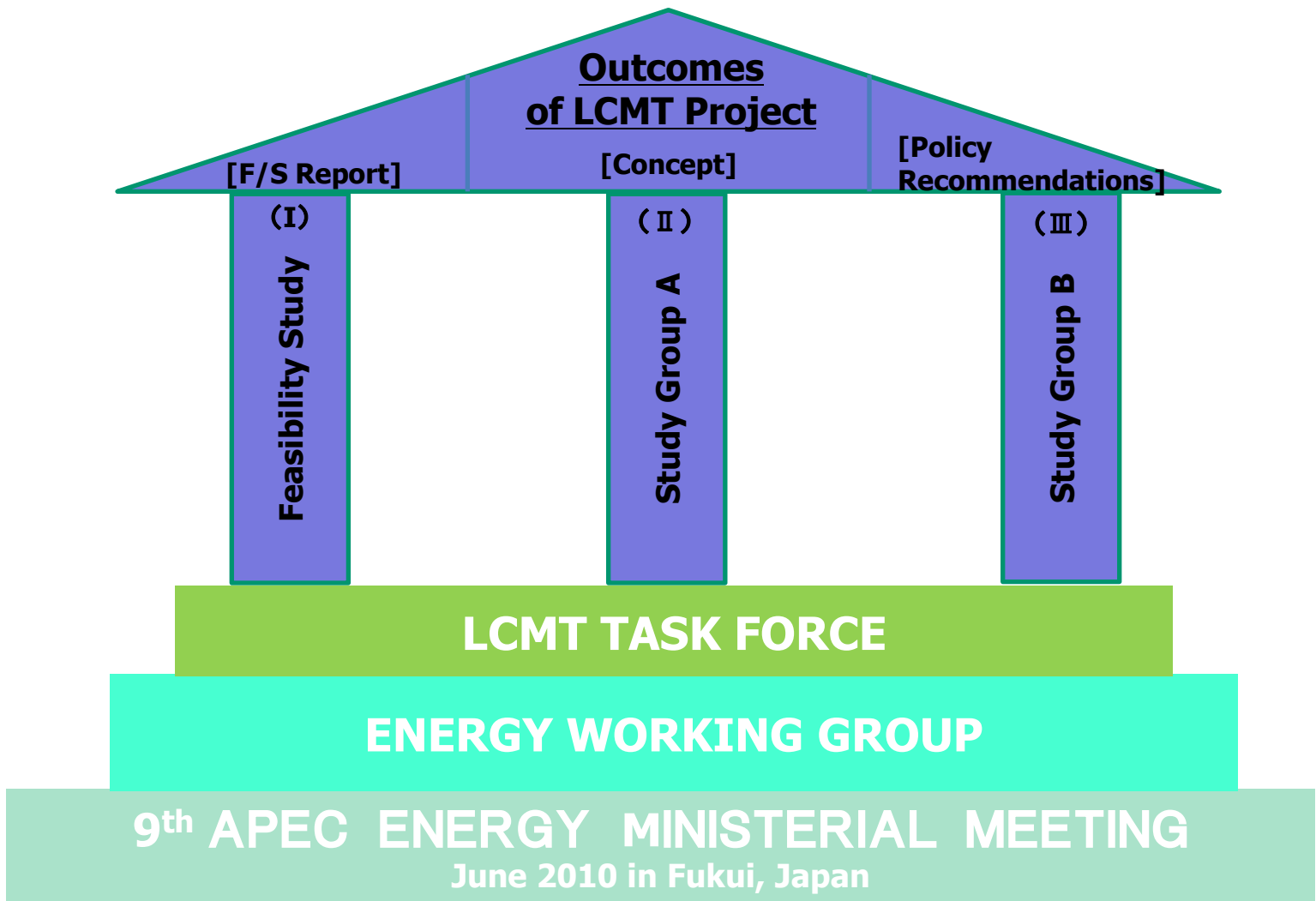
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## 4th APEC LCMT Task Force Meeting

(Washington D.C., United States, 5 November 2012)

- ✓ Attended: 11 Economies, Lead Shepherd, EGRNET Chair and the APERC
- ✓ Reported: Revised "Concept of LCMT in the APEC Region", Progress of "Feasibility Study on Samui Island" and Selection of "Case for Phase 3 Feasibility Study".

## 2 Overview of the APEC Low-Carbon Model Town Project



## 2-1 The Concept of the Low-Carbon Town in APEC Region (Second Edition)

“The Concept of the Low Carbon Town in APEC Region” will be tailored for **island-type development**



### Task Force Japan

- ✓ Prepare preliminary draft from April to July
- ✓ Consists of Japanese experts



### Study Group A & LCMT Task Force

- ✓ Site visits to Samui Island, Da Nang City and Penghu Island in August
- ✓ Development of Draft and circulate among LCMT Task Force in September



The refined New Concept was distributed to EWG members in October

## 2-2 Feasibility Study at Samui Island (1)

### Low-Carbon Development Strategy

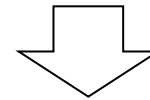
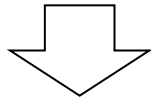
Concept & Target

Low-Carbon Measures

### Basic data for analysis

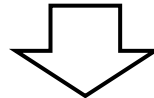
Electricity, Fuels

Town Structure, Communities



### Quantitative Analysis of

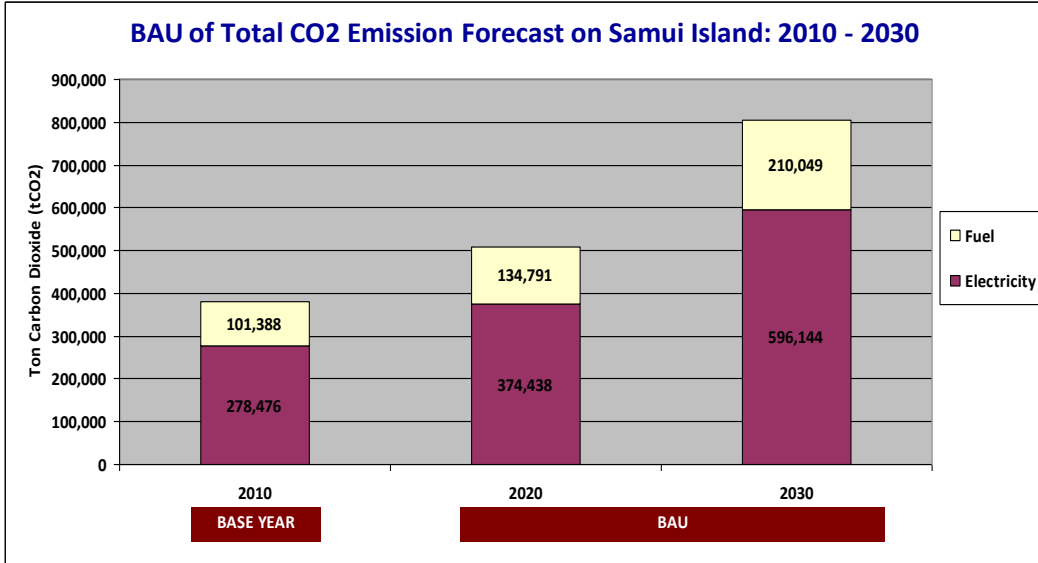
- ✓ CO2 saving Effects for each Mitigation Measure
- ✓ CO2 saving Costs for each Mitigation Measure



Compiling the results of each analysis

# 2-2 Feasibility Study at Samui Island (2)

BAU of Total CO2 Emission Forecast on Samui Island: 2010 - 2030



**Samui Island low carbon target**

**BAU 2030**

Ton CO<sub>2</sub> Emission

**40%**



Transportation

Other Sector

Commercial Sector

Residential Sector

**BAU 2020**

Ton CO<sub>2</sub> Emission

**20%**



Transportation

Other Sector

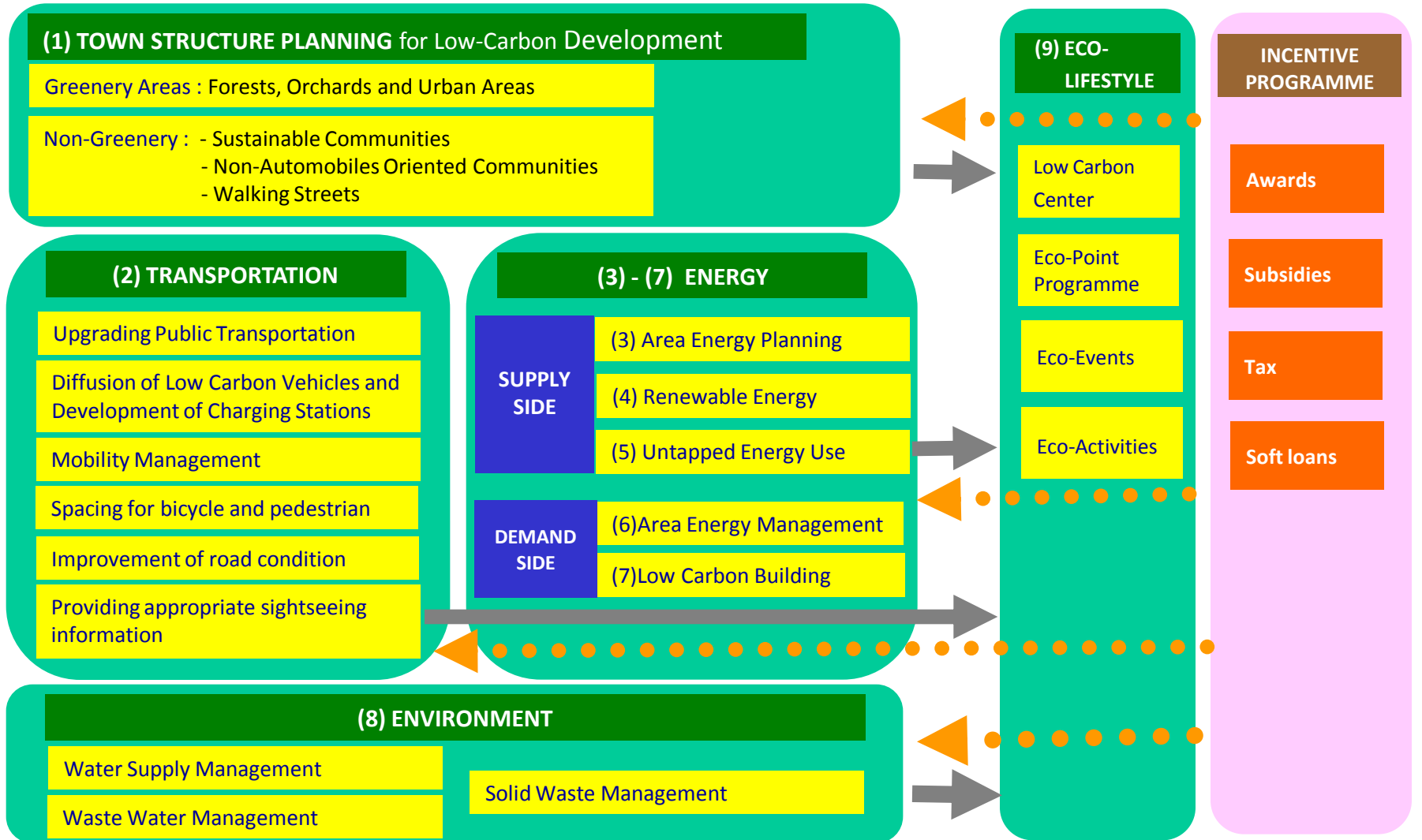
Commercial Sector

Residential Sector



## 2-2 Feasibility Study at Samui Island (3)

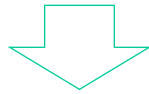
### List of Low-Carbon Measures for Samui Island



## 2-3 Policy Recommendations

### Study Group B

- ✓ Conduct Peer Review



Recommendation on regulatory schemes, technical matters and others

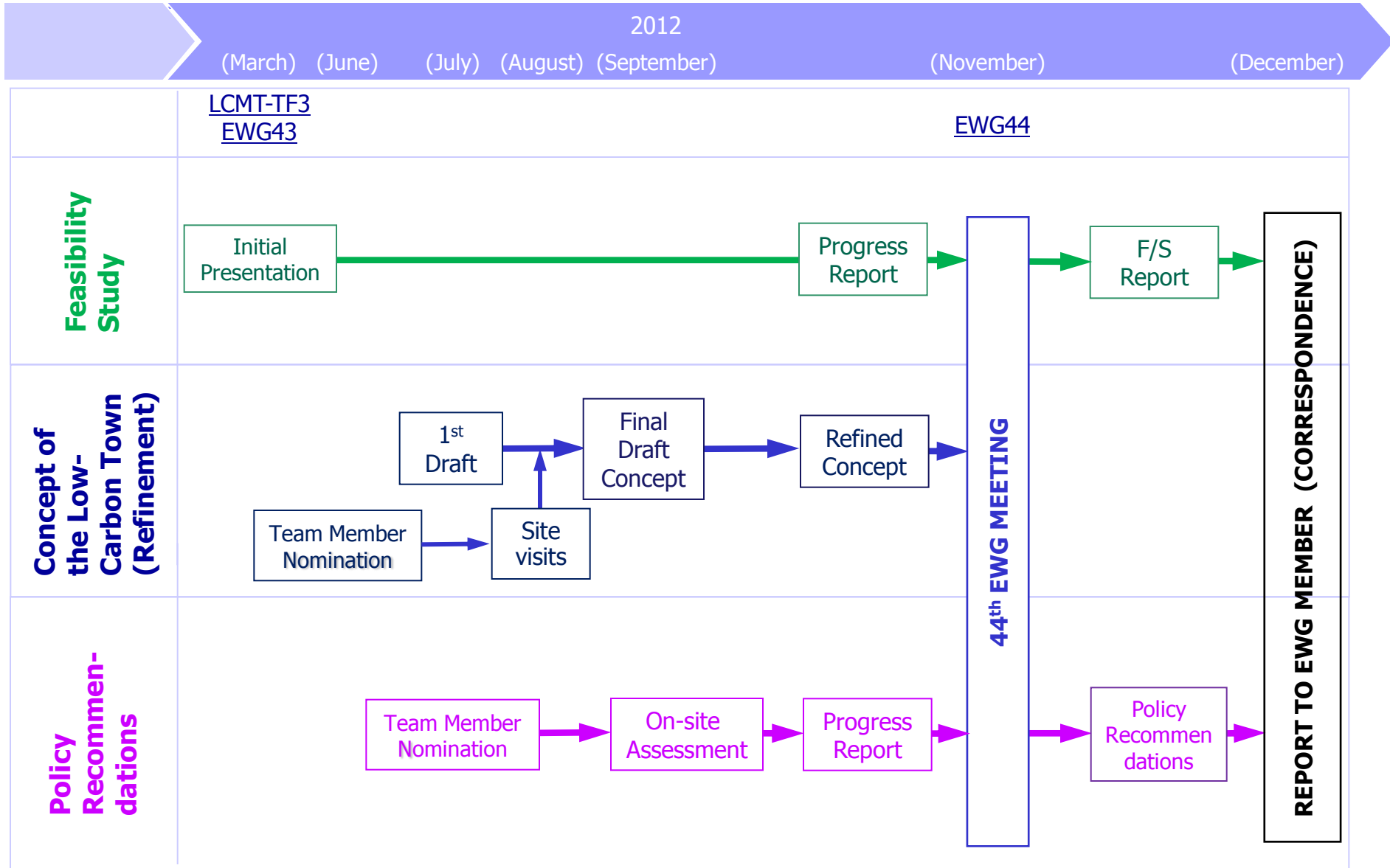
### On Site Assessment (Samui Island, September 2012)

- ✓ 6 experts participated  
(China, New Zealand, Australia, United States and APERC)
- ✓ Develop draft recommendations and circulate among  
the LCMT Task Force



“Policy Review Report” will be distributed to EWG members in December

# 2-4 Plan of Actions

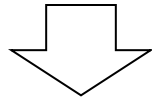


### 3 Selection of the case for LCMT Phase 3 Project

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13 June, 2012

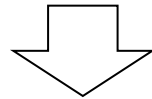
Invitation letter for nominations of LCMT Phase 3 Project was sent to eligible economies



13 July, 2012 (Nomination Deadline)

Two candidate projects were nominated;

- ✓ San Borja Town, Lima, Peru (Holding candidacy status from last selection process)
- ✓ Da Nang, Viet Nam (Submitting revised nomination sheet and reference document)



Evaluation on a scale of 1-5 for each selection criteria endorsed by APEC LCMT Task Force  
(See the later slide for the criteria.)

## 3-1 Criteria for the APEC LCMT Project

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- ✓ Criteria 1: Is the candidate project coordinated or supervised by a relevant government authority?
- ✓ Criteria 2.1: Is the responsible entity for the candidate project identified?
- ✓ Criteria 2.2: Is the project already on-going or has it been committed to being implemented?
- ✓ Criteria 3: Has the implementation plan of the candidate project already been developed?
- ✓ Criteria 4.1: Have the organization and people responsible for the possible Feasibility Study (F/S) been identified?
- ✓ Criteria 4.2: Have the organization and people committed to provide necessary information for the purpose of F/S and policy review?
- ✓ Criteria 4.3: Does your economy agree to prepare the necessary funding and human resources ?

# 3-2 Invitation of Nomination for the APEC LCMT Phase 3 Project

**NOMINATION  
FOR  
THE APEC LOW CARBON MODEL TOWN PROJECT**

You are invited to nominate candidate APEC Low Carbon Model Town (LCMT) Project Phase 2 that will be funded by the APEC Support Fund. Under the APEC LCMT Project, Feasibility Study (F/S) and Policy Review will be conducted to the selected Low Carbon Town (LCT) development project in the eligible APEC economy by a qualified urban planning consultant and experts from APEC member economies respectively.

The economy who has the intention to nominate the candidate development project for the APEC LCMT Project Phase 2 is asked to provide relevant information on LCT development project including low carbon vision, CO2 emission reduction targets, low carbon measures, town specifications and characterizations etc by submitting following Nomination Sheet.

The nomination of LCT development projects made by eligible developing economies is on the voluntary basis. The information submitted regarding nominating LCT development project will be used for considering the conformity of the project with the Criteria for APEC LCMT Project and the relevance as a candidacy for Phase 2 or subsequent Phases of the APEC LCMT Projects.

**Note:** According to the "GUIDEBOOK ON APEC PROJECTS EDITION 7," the eligible economies for the APEC Support Fund are as follows;

Chile, China, Indonesia, Malaysia, Mexico, Papua New Guinea, The Philippines, Peru, Russia, Thailand, and Viet Nam

**APEC Low Carbon Model Town Project  
Nomination Sheet**

Part A

On behalf of government of [name of member economy], I submit following low-carbon town project as a candidate for the APEC Low-Carbon Model Town Project.

Name of town:
Location:

\*Please attach the map which shows the location of the low carbon town

Signature:	Date:
Name:	e-mail:
Title:	
Organization:	Economy:

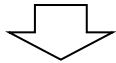
<b>Questions regarding conformity with the Criteria for APEC LCMT Project</b>
<p>1. Is the candidate project coordinated or supervised by a relevant government authority? If yes, please identify.</p>
<p>2-1. Is the responsible entity for the candidate project identified? If yes, please identify.</p>
<p>2-2. Is the project already on-going or has been committed to being implemented? If yes, please describe in detail.</p>

## 3-3 Evaluation Results

25 - 31 July, 2012

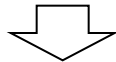
METI, Japan (Project Overseer) sent two draft recommendations and some advice to LCMT Task Force members and they were endorsed;

- ✓ Da Nang City to be the case for LCMT phase 3 Project.
- ✓ San Bolja should hold candidacy status for subsequent phase of the APEC LCMT Project
- ✓ It is advised that the updated nomination sheet and reference document should be submitted at the next round of selection process



1-7 August, 2012

METI sent out the recommendations and advise to EWG members and they were endorsed.



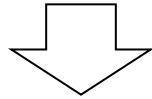
7-8 November, 2012 (at EWG 44)

Official announcement of Da Nang City to be the case study for LCMT Phase 3 Project

## 3-4 Future Plan on Feasibility Study of Da Nang

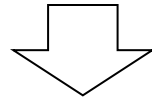
10 October 2012

In principle Approval of Project Proposal of  
"APEC Low-Carbon Model Town (LCMT) Project – Phase 3"



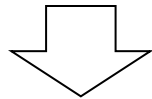
December 2012

BMC and SOM will assess Full Project Proposal of  
"APEC Low-Carbon Model Town (LCMT) Project – Phase 3"



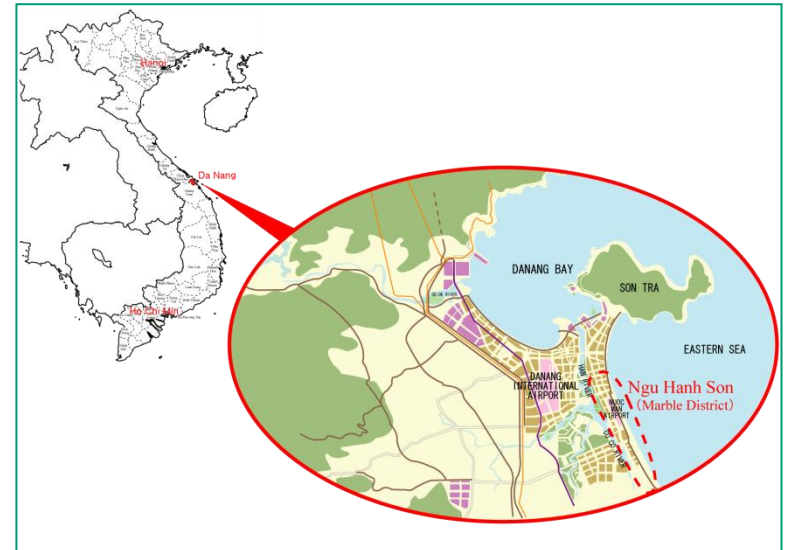
January – February 2013

APEC project tender for LCMT Phase 3 will be  
posted on the APEC website



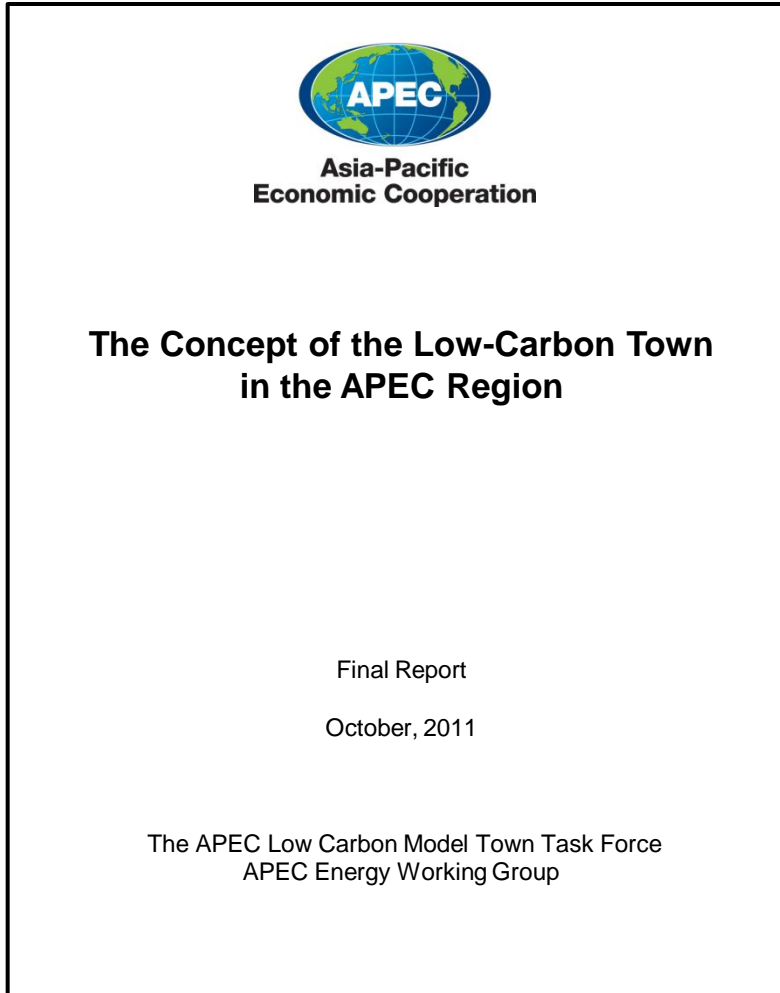
February 2013

The Contract between APEC Secretariat and  
selected consultant will be signed and the F/S  
will officially start



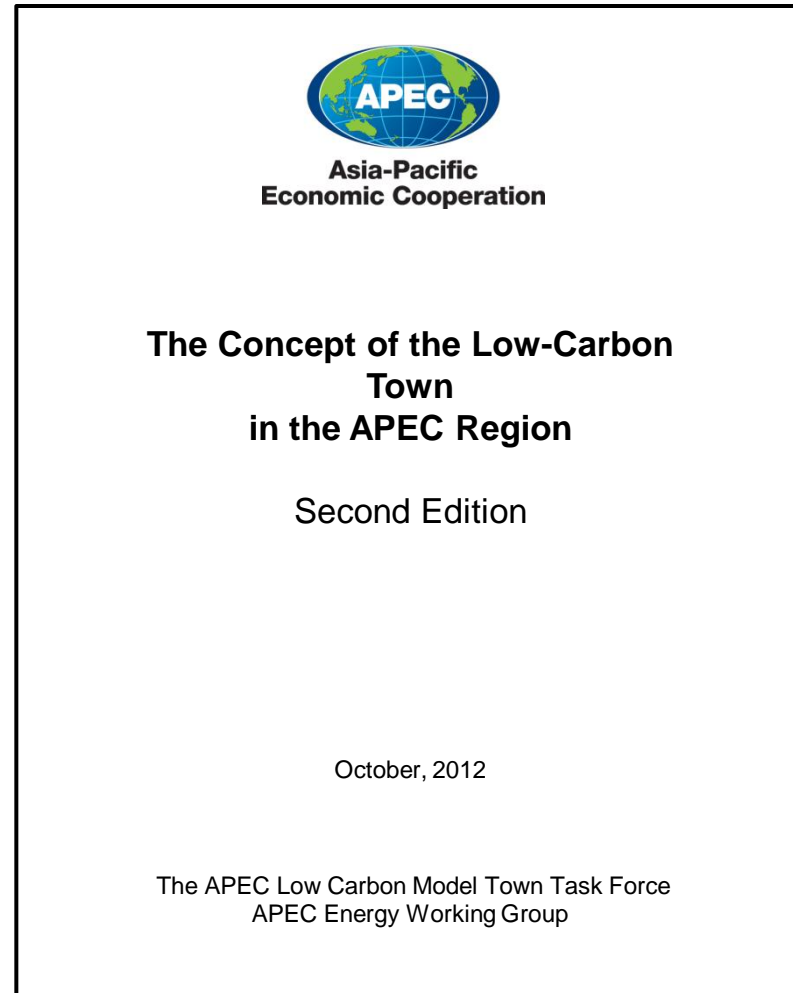


## 4 Outcomes of LCMT Project (1)



(APEC Website)

[http://publications.apec.org/publication-detail.php?pub\\_id=1240](http://publications.apec.org/publication-detail.php?pub_id=1240)



(Just Published)

Will be uploaded on the APEC Website

## 4 Outcomes of LCMT Project (2)



**Asia-Pacific  
Economic Cooperation**

### **APEC Low Carbon Model Town Project Phase 1**

Policy Review for  
Yujiapu CBD, Tianjin, China

Final Report

September 30, 2011

Report for the APEC Energy Working Group

**(APERC Website)**

<http://www.ieej.or.jp/aperc/2012pdf/Policy%20Review%20for%20Yujiapu%20CBD,%20Tianjin,%20China.pdf>



**Asia-Pacific  
Economic Cooperation**

### **APEC Low Carbon Model Town (LCMT) Project Tianjin Yujiapu Feasibility Study**

Final Report

October, 2011

Nikken Sekkei Research Institute

**(APEC Website)**

[http://publications.apec.org/publication-detail.php?pub\\_id=1225](http://publications.apec.org/publication-detail.php?pub_id=1225)

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*Thank you*

December 2012

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