



38th NEW AND RENEWABLE ENERGY TECHNOLOGIES
EXPERT GROUP (EGNRET) MEETING


Report on Progress of APEC LCMT Project

June 18~19, 2012

Shinji Kakuno

Agency for Natural Resources and Energy
METI, Japan

Present by : Bing-Chwen Yang
Asia-Pacific Energy Research Centre



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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

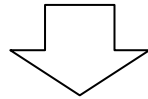


1 APEC LCMT Task Force Meeting (2)

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

Ministers instructed a Task Force to

- ✓ Develop the "Concept of a Low-Carbon Town"
- ✓ Provide advice on project planning
- ✓ Share best practices



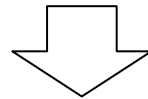
1st APEC LCMT Task Force Meeting (Tokyo, Japan, 13 July 2010)

- ✓ Chaired by Japan
- ✓ Attended
7 Economies and the Asia Pacific Energy Research Center
- ✓ Discussed
"Terms of Reference" and "Criteria for the Project"

1 APEC LCMT Task Force Meeting (3)

2nd APEC LCMT Task Force Meeting (Vancouver, Canada, 9 May 2011)

- ✓ Attended: 13 Economies, Lead Shepherd, EGNRET Chair and the APERC
- ✓ Reported: the Feasibility Study and draft Concept of Low Carbon Town
- ✓ Discussed:
 - “ Plan of Action for 2011 ” and
 - “ Idea of holding a seminar”



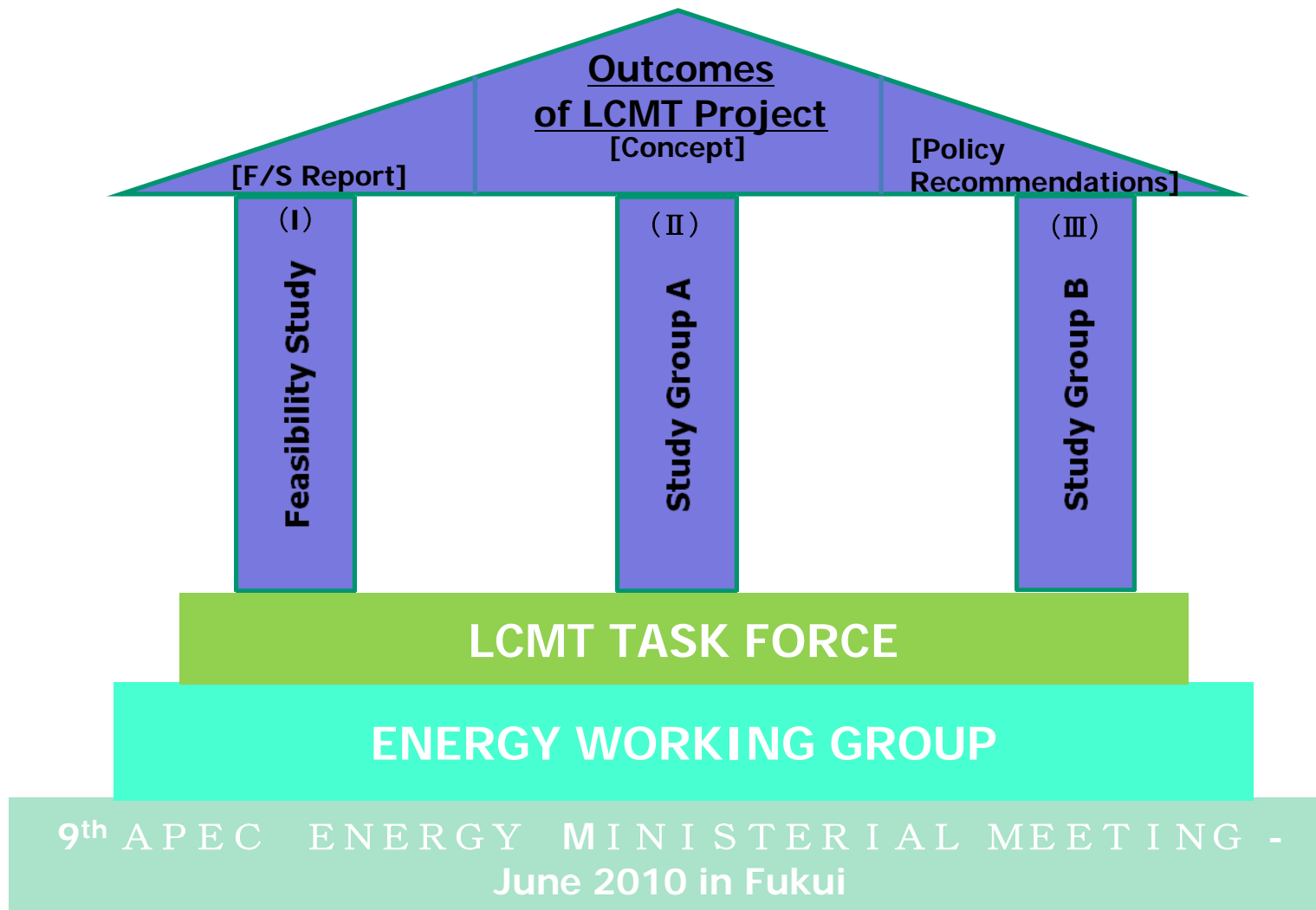
LCMT Task Force Workshop (October 18, 2011)

1 APEC LCMT Task Force Meeting (4)

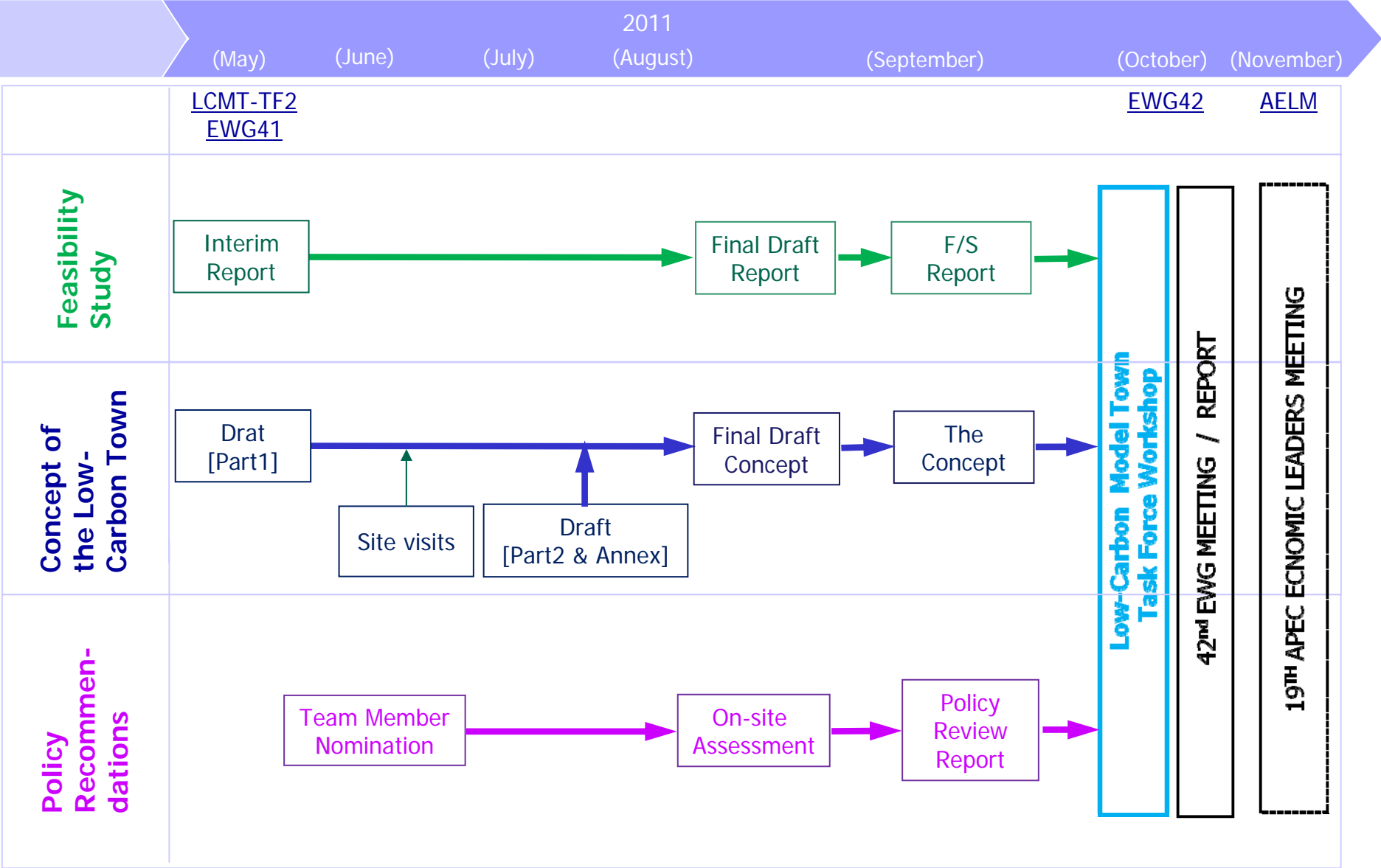
3rd APEC LCMT Task Force Meeting (Kuala Lumpur, Malaysia, 5 March 2012)

- ✓ Attended: 11 Economies, Lead Shepherd, EGNRET Chair and the APERC
- ✓ Reported: Progress of LCMT Phase 2 project and the Feasibility Study of Samui Island, Thailand
- ✓ Discussed: " Plan of Action for 2012 "

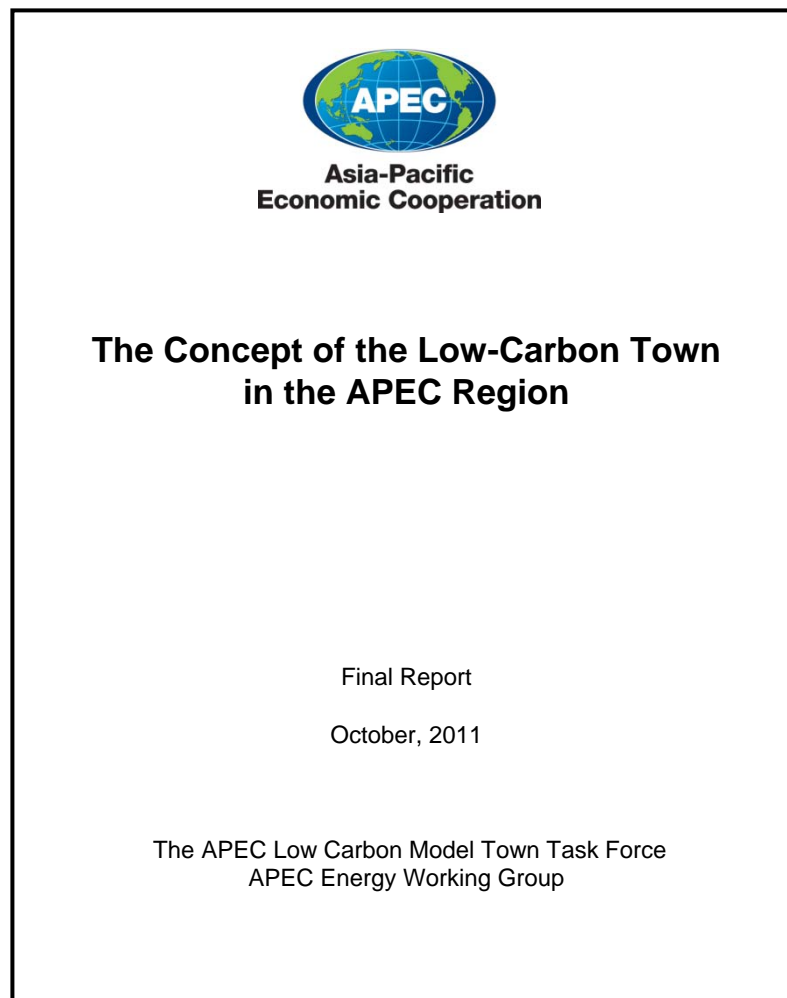
2 Overview of the APEC Low Carbon Model Town Project



3 Progress of Phase 1 Project

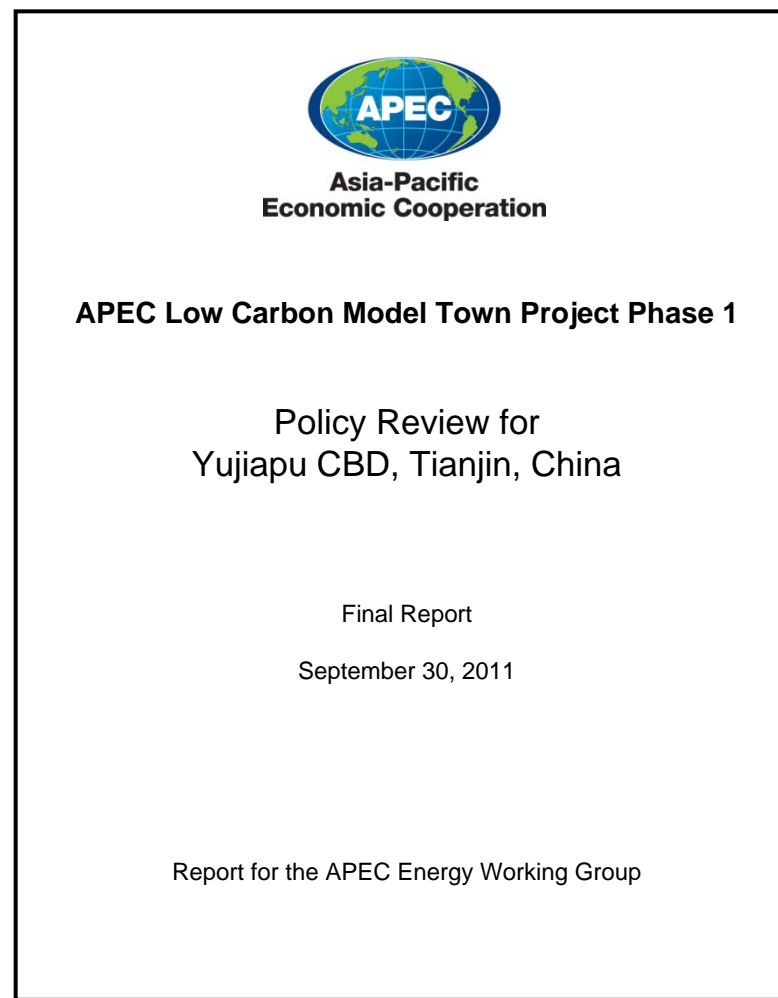


4 Outcomes of Phase 1 Project (1)



(APEC Website)

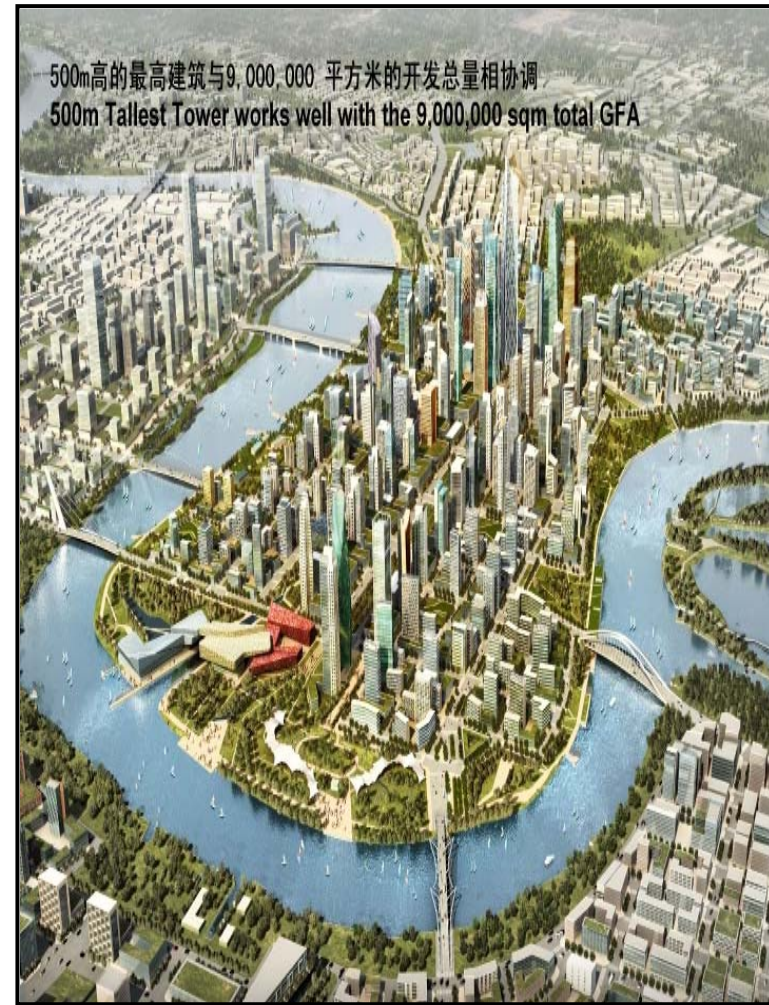
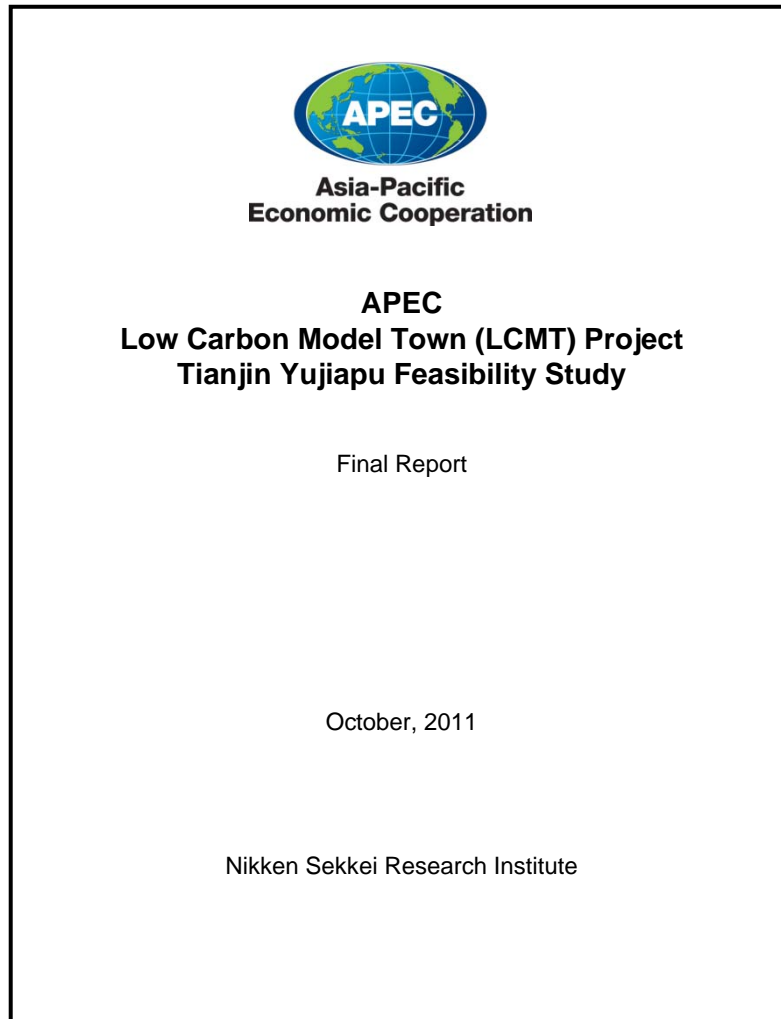
http://publications.apec.org/publication-detail.php?pub_id=1240



(APEREC Website)

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

4 Outcomes of Phase 1 Project (2)



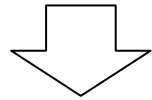
(APEC Website)

http://publications.apec.org/publication-detail.php?pub_id=1225

5 Selection of the case for Phase 2 Project

5 August, 2011

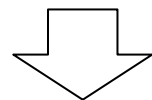
Invitation letter for nominations of LCMT phase 2 project was sent to eligible economies



27 August, 2011 (Nomination Deadline)

Three candidate projects were nominated;

- ✓ San Borja Town, Lima, Peru
- ✓ Samui Island, Thailand
- ✓ Da Nang, Viet Nam



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

5-1 Invitation Letter of Nomination for Phase 2 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:

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

5-2 Criteria for the APEC LCMT Project

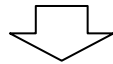
- ✓ Criteria 1: Is the candidate project coordinated or supervised by a relevant government authority?
- ✓ Criteria 2.1: Is the responsible entity for the candidate project identified?
- ✓ Criteria 2.2: Is the project already on-going or has it been committed to being implemented?
- ✓ Criteria 3: Has 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 for internal use?"

5-3 Evaluation Results of Phase 2 Project

27 September - 3 October, 2011

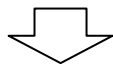
METI, Japan (Project Overseer) sent out two recommendations to LCMT Task Force members and they were endorsed unanimously;

- ✓ Samui Island to be the case for LCMT phase 2 project.
- ✓ Other two towns should hold candidacy status for subsequent phase of the APEC LCMT Project



4-17 October, 2011

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



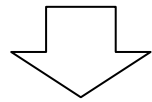
19-20 October, 2011 (at EWG 42)

Official announcement of Samui Island to be the case study for LCMT phase 2 project

6 Feasibility Study of Samui Island

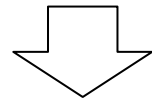
30 December 2011

Approval of Project Proposal of EWG 18/2011A
"APEC Low-Carbon Model Town (LCMT) Project – Phase 2"



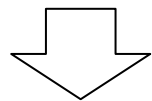
18 January – 3 February 2012

APEC project tender for LCMT phase 2 was posted on the APEC website



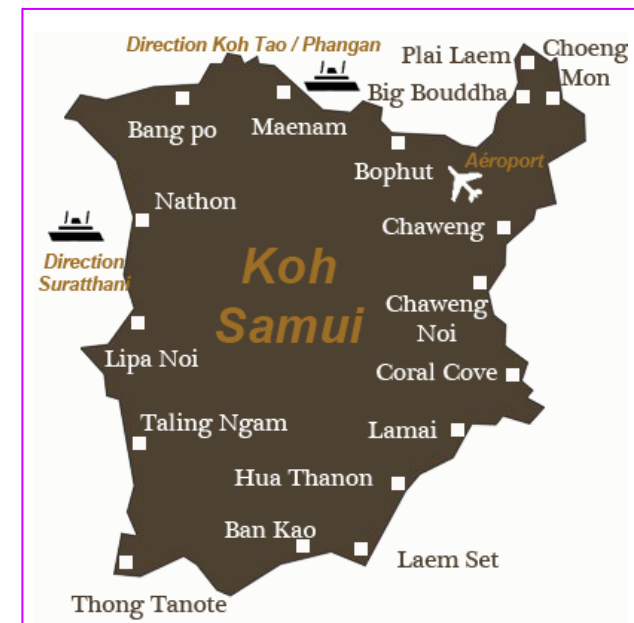
February 2012

The Contract was signed between APEC Secretariat and EEC Engineering Network and the F/S started in Samui Island in Thailand.



December 2012

F/S report will be finalized.



7 The Concept of the Low-Carbon Town in APEC (Refinement)

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



Task Force Japan

- ✓ Prepare preliminary draft
- ✓ Consists of Japanese experts



Study Group A & LCMT Task Force

- ✓ Site visits on low-carbon development projects
- ✓ Development of Draft and circulate among LCMT Task Force

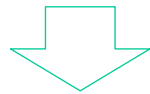


The Refined Concept will be distributed to EWG members

8 Policy Recommendations

Study Group B

- ✓ Conduct Peer Review



Recommendation on regulatory schemes, technical matters and others

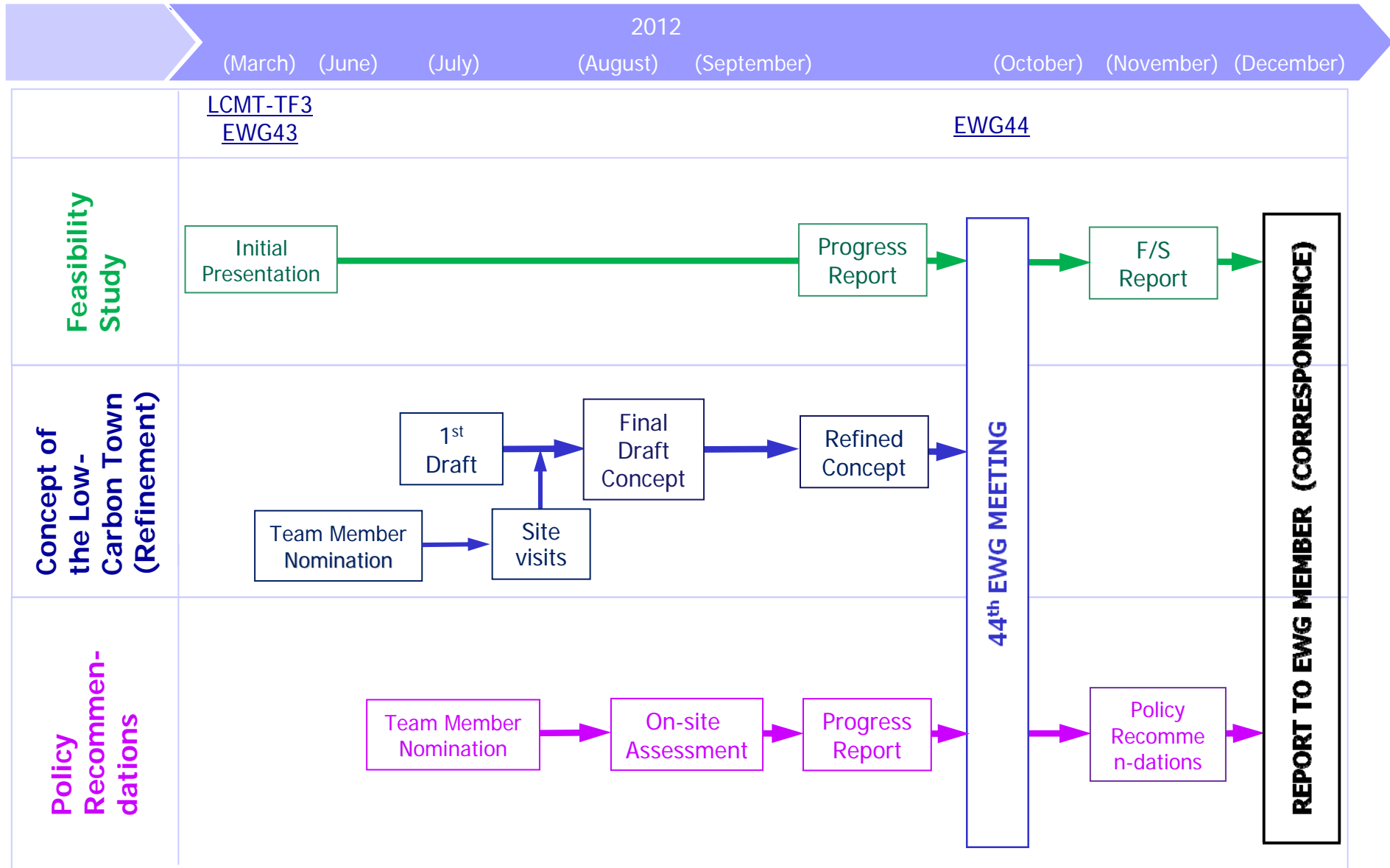
Site Visit (Samui Island)

- ✓ Nominated experts will participate
- ✓ Develop draft recommendations and circulate among the LCMT Task Force



“Policy Review Report” will be distributed to EWG members

9 Plan of Actions for Phase 2 Project





Thank you

June 2012
Shinji Kakuno
Agency for Natural Resources and Energy
METI, Japan