

40th Meeting of Expert Group on New and Renewable Energy Technologies

Report on Progress of APEC Low-Carbon Model Town Task force

April 2013

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1 APEC LCMT Task Force Meeting (1)

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

Role of the LCMT Task Force

- ✓ Develop the Concept of the Low-Carbon Town in APEC Region
- ✓ Conduct Feasibility Study on selected case town
- ✓ Share best practices for making low-carbon communities a reality



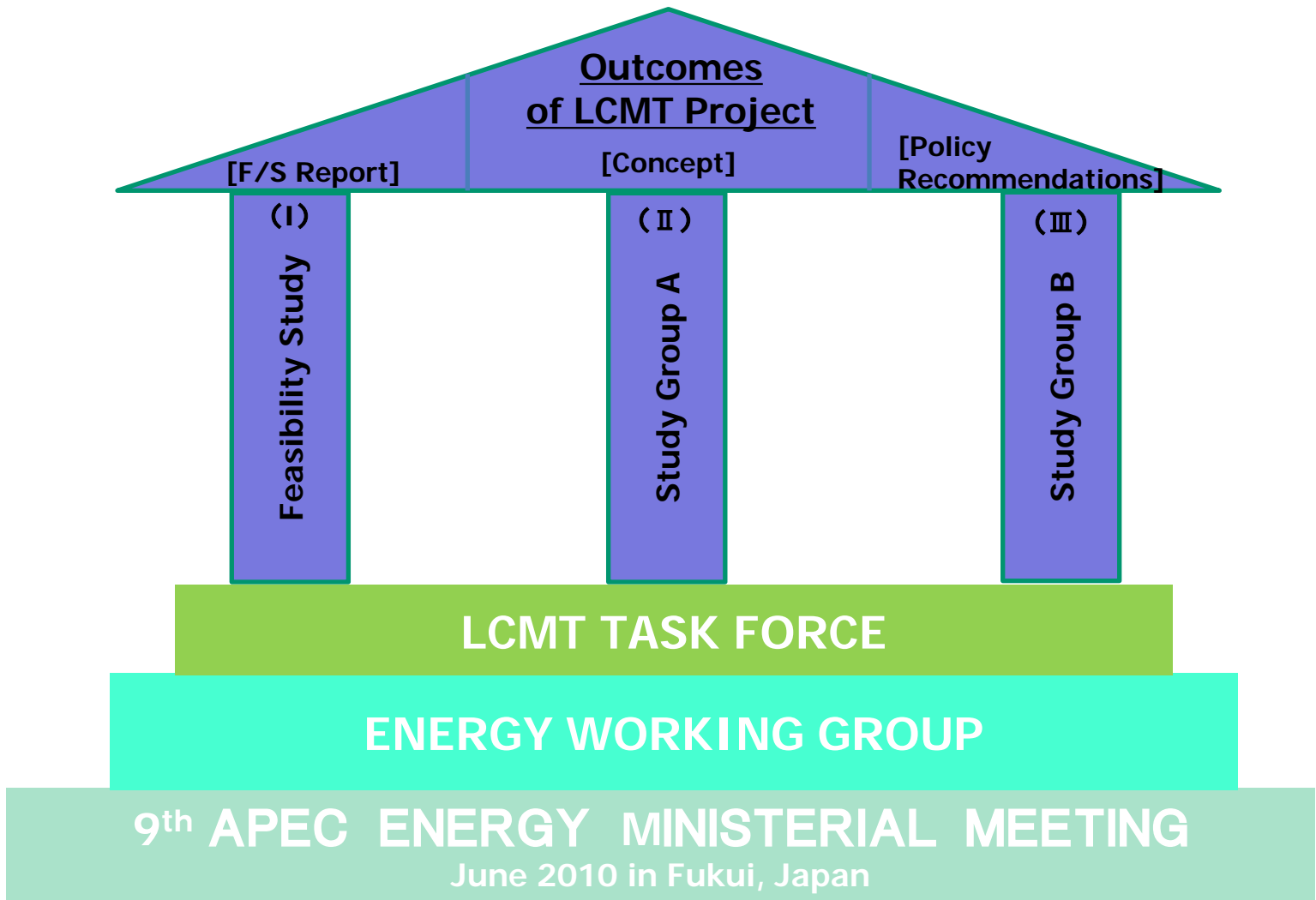
1 APEC LCMT Task Force Meeting (2)

5th APEC LCMT Task Force Meeting (Samui Island, Thailand - 18 March, 2013)



- ✓ Attended: 12 Economies, Lead Shepherd, EGEEC and EGRNET Chairs, and the APERC
- ✓ Presented: Organization for Economic Co-operation and Development, (OECD), "Green Cities Programme"
- ✓ Discussed: Plan of Actions for 2013 and collaboration with OECD
- ✓ Reported: Progress of the APEC LCMT Phase 3 Project

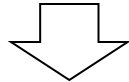
2 Overview of the APEC Low Carbon Model Town Project



3 Progress of the LCMT Phase 3 Project (1) - Case Selection-

13 June 2012

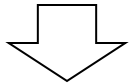
Invitation letter for nominations of LCMT Phase 3 Project was sent to eligible economies



13 July 2012 (Nomination Deadline)

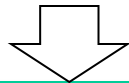
Two candidate projects were nominated;

- ✓ San Borja Town, Lima, Peru (holding candidacy status from last session)
- ✓ Da Nang City, Viet Nam (submitting revised nomination documents)



25 July - 7 August, 2012

Japan (Project Overseer) evaluated two nominations and sent out the recommendation, for Da Nang City to be a case, to LCMT Task Force and EWG for endorsement



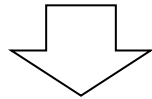
7-8 November 2012 (at EWG 44)

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

3 Progress of the LCMT Phase 3 Project (2) - Feasibility Study -

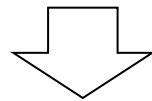
10 October 2012

In-Principle Approval of Project Proposal of
“APEC Low-Carbon Model Town (LCMT) Project – Phase 3”



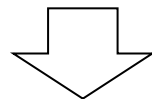
28 December 2012

Final Approval of BMC and SOM of LCMT Phase 3 project



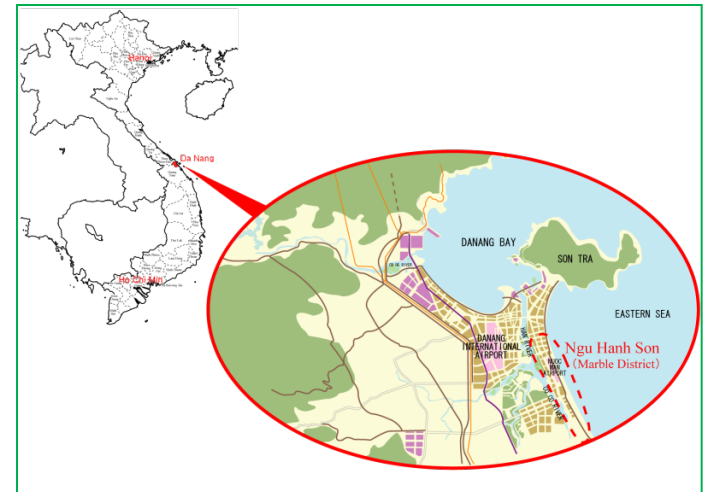
17 January – 15 February 2013

APEC project tender for LCMT Phase 3 project
was posted on the APEC website



18 February – 8 March 2013

Evaluation of the 9 proposals from competent
consultants from 6 APEC member economies and
the UK



3 Progress of the LCMT Phase 3 Project (3) - RFP and Criteria -



Request for Proposal (RFP)

S EWG 20 12A - APEC Low Carbon Model Town (LCMT) Project Phase 3

Introduction

- A The APEC Secretariat is seeking proposals for the provision of the Works described in *RFP Schedule 1 – Statement of Requirement*.
- B Each Bidder to this RFP is expected to:
- (i) fully inform themselves on all aspects of the work required to be performed;
 - (ii) submit its proposal on the template provided at *RFP Schedule 2 – Proposal*, including the signed Declaration by Bidder at the end of *Schedule 2*; and
 - (iii) submit its proposal in accordance with *RFP Schedule 1 – Statement of Requirement*.
- C Each Bidder, by submitting its proposal, agrees that the proposal is subject to the RFP Schedule 4 – Standard Conditions of Proposal, and agrees to comply with those conditions. Acceptance of a proposal will occur only when a contract is executed. Any Contract will incorporate the APEC policies and guidelines identified in RFP Schedule 3 - Special Conditions of Proposal and the contract at RFP Schedule 5 - Standard Contract Conditions.
- D Bids from contractors based in non-member economies and bids from international organisations may be considered. However, priority is given to suitably qualified tenders from member economies.

RFP Schedule 5 – Evaluation Criteria

EVALUATION CRITERIA

1. The Evaluation Criteria detailed in this clause apply to this Proposal, and the Bidder's response to them:

(a) **Method:**

Appropriate and efficient methodology to fulfill the objectives of the Works in the specified timeframes including estimation of the energy consumption per unit to define the base line

(b) **Work plan:**

Appropriate and efficient work plan to fulfill the objectives of the Works in the specified timeframes

(c) **Analytical and research skills:**

Proven analytical and research skills in previous similar projects

Access to the needed data and information for the Works

Full and complete understanding of goals and backgrounds of the central and local government's low carbon plan in Viet Nam

Demonstrated ability to work with regional and the central government in Viet Nam as well as local stakeholders

Capability of project management to deliver high quality products on time and within budget

(d) **Experiences**

A record of comprehensive consulting experience on low carbon town design projects, including building, energy supply, energy management, transportation, renewable energy, untapped energy, waste management, water supply, etc.

A record of preparing low carbon town development master plans

A record of implementing low carbon town development designs

(e) **Organisation:**

Appropriate human resources to implement the work successfully

Financial base to undertake the work smoothly

The criteria used to evaluate and rank proposals will be based on experience and technical expertise in low carbon town design and project management capability to deliver high quality products on time. The Lowest priced bid will not necessarily be selected if the technical and management capability does not meet the required level.

For each consultant qualifications criteria listed above, a rating will be assigned as follows: Criteria (a) 0-15; Criteria (b) 0-5; Criteria (c) and (d) 0-35; Criteria (e) 0-10. These ratings will be summed and the bidder with the highest score will be selected as a successful bidder assuming the proposed budget is under the budget available for this project. Any bidder who gets "0" rating in any one criteria will be disqualified from this bidding.

3 Future Development of the Phase 3 Project (1) - Concept (Refinement) -

“The Concept of the Low Carbon Town in APEC Region”
will be tailored for **Brownfield Redevelopment**

Task Force Japan

- ✓ Prepare preliminary draft
- ✓ **Study inclusion of indicators**



Study Group A & LCMT Task Force

- ✓ Collaboration with **the OECD**
- ✓ Site visits on low-carbon development projects in July



The Refined Concept will be distributed to EWG members

3 Future Development of the Phase 3 Project (2) - Policy Recommendations -

“Policy Recommendations”

Recommendation on regulatory schemes, technical matters, etc.

Study Group B

- ✓ Conduct Peer Review



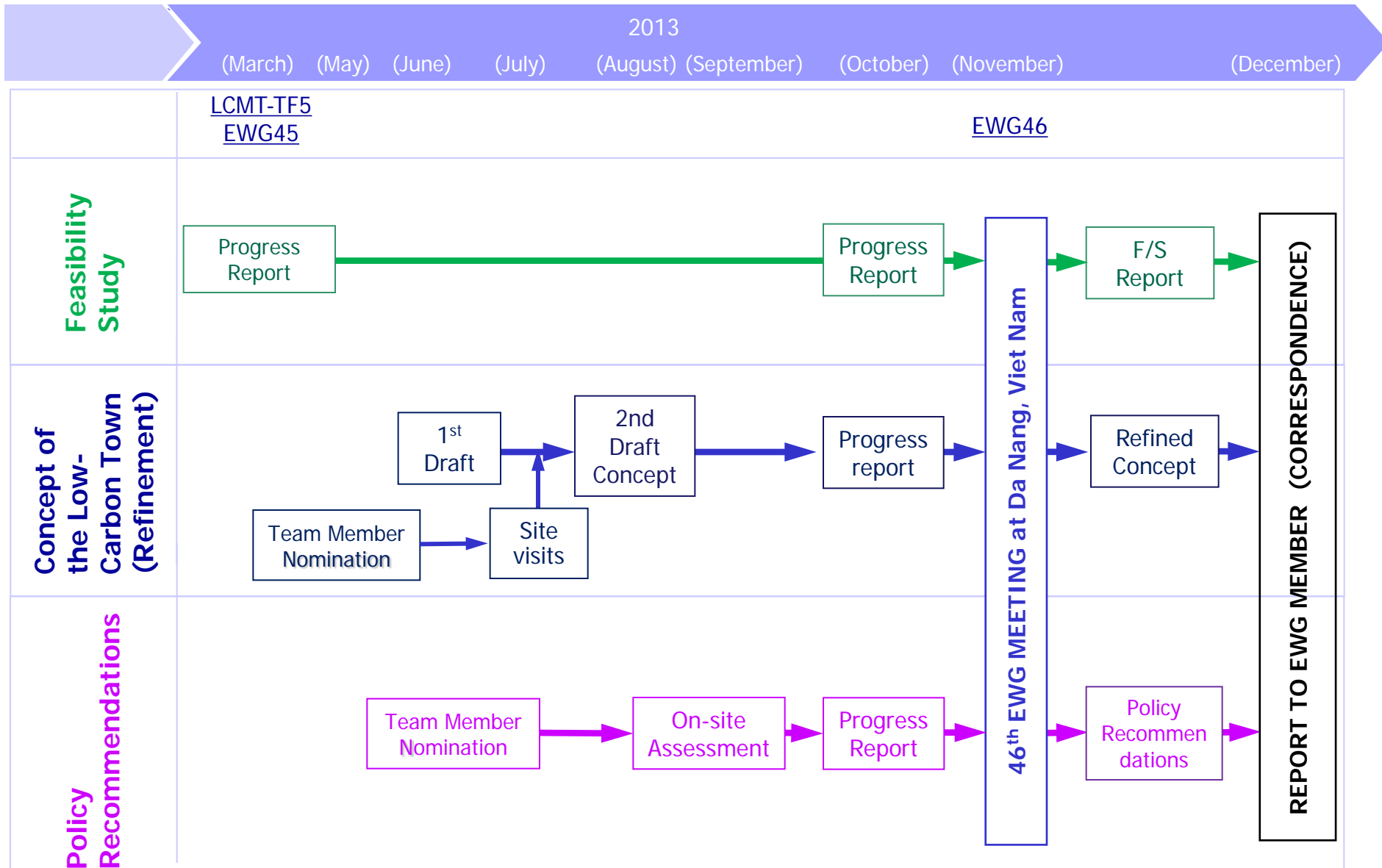
Site Visit (Da Nang City, September - October)

- ✓ Collaboration with **the OECD**



“Policy Review Report” will be distributed to EWG members

3 Future Development of the Phase 3 Project (3) - Plan of Actions for 2013 -



4 Outcomes of the LCMT Phase 2 Project (1)

Final Report

for
APEC Low Carbon Model Town Project (LCMT) Phase 2
Feasibility Study for Samui Island, Thailand

submitted to
 Asia-Pacific Economic Cooperation
Asia-Pacific Economic Cooperation (APEC) Energy Working Group (EWG)

submitted by
 EEC ENGINEERING NETWORK
LCMT SAMUI ISLAND
APEC LOW CARBON MODEL TOWN PROJECT

November, 2012



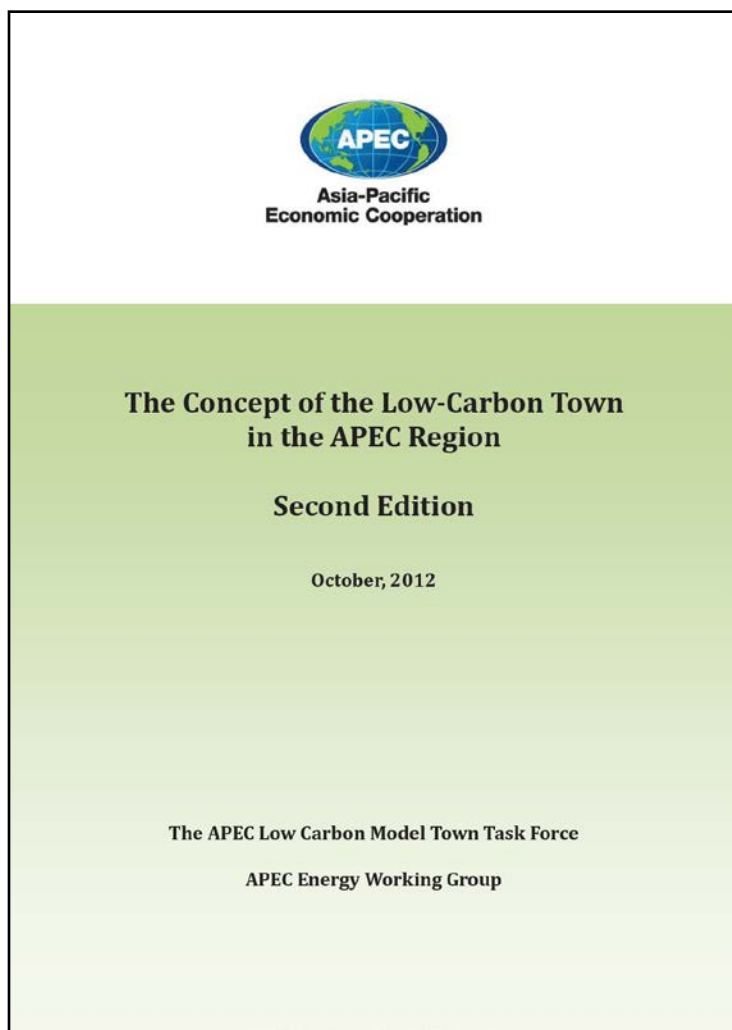
- Area : 227 sq.m.
- Population 53,769 people plus 6 times unregistered population
- Tourists about 3,000 people per day
- More than 400 hotels holding more than 16,000 rooms available for tourists.
- Sub-marine cables with capacity of 128 MW
- Electricity consumption : 521 GWh (2010)
- Fuel consumption : 200 million liters (2010)
- Fresh water demand is 18,000 – 22,000 m³/day
- Almost 6,000 m³/day wastewater goes to the wastewater treatment system
- More than 120 tones of municipal solid waste generated everyday



(APEC Website)

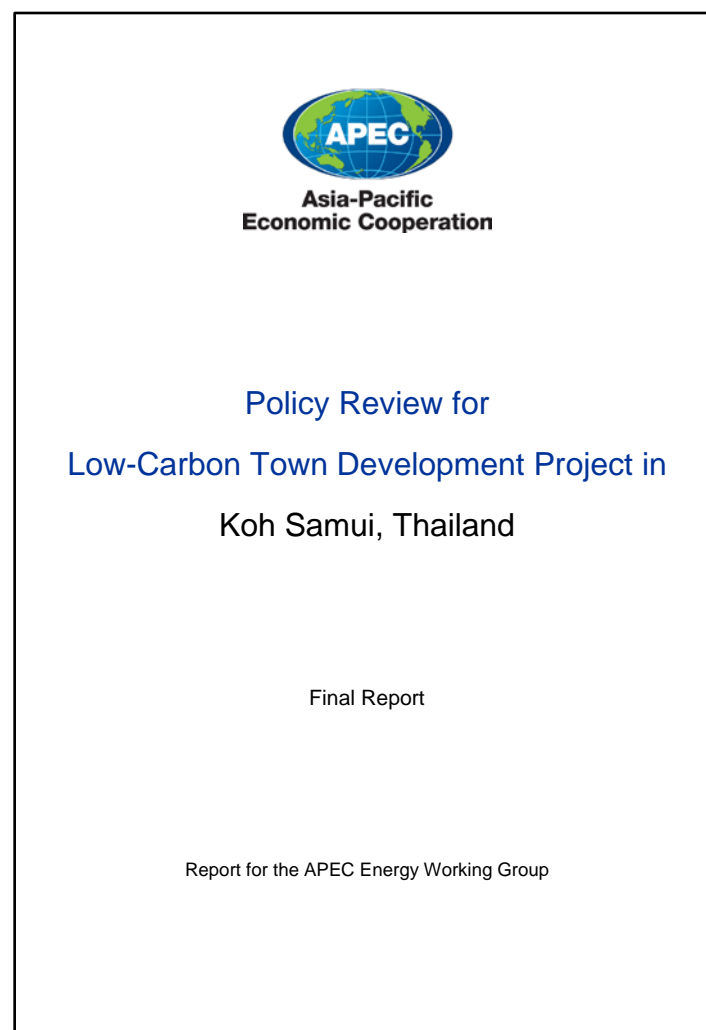
http://publications.apec.org/publication-detail.php?pub_id=1400

4 Outcomes of the LCMT Phase 2 Project (2)



(APEC Website)

http://publications.apec.org/publication-detail.php?pub_id=1398



(APERC Website)

Will be uploaded on the APERC Website

Thank you

April 2013

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