



Energy Working Group

## 3rd Meeting of Low-Carbon Model Town Task Force

Kuala Lumpur, Malaysia  
March 5, 2012

### Summary Record of Meeting

The 3rd meeting of the Low-Carbon Model Town Task Force (LCMT-TF) was held on Monday, March 5, 2012 at the Prince Hotel in Kuala Lumpur, Malaysia. The meeting was attended by representatives of interested EWG member economies, namely, Australia, Brunei Darussalam, Indonesia, Japan, Korea, Malaysia, New Zealand, Chinese Taipei, Thailand, the U.S. and Viet Nam. EWG Lead Shepherd, chair of EGRNET, a representative of EGEDA, together with officials from APERC and APEC secretariat participated in the meeting. The contractor of the 2nd Low-Carbon Model Town Feasibility Study Project and a representative of LCMT TF Japan also attended. (See attached participant list.)

#### 1. Opening Remarks

Mr. Shinji Kakuno, Japan, welcomed all participants as the chair of the TF and thanked Malaysia for hosting EWG43 and associated meetings including this meeting. He reported that the phase 1 project had been successfully completed. It was also reported that Samui Island in Thailand was selected as a location for the phase 2 project and it was endorsed by the EWG42. He explained to the TF members that they would hear later on in accordance with the agenda (LCMT-TF3-01) how the Feasibility Study will be conducted by EEC Engineering Network, which in January won an open tender to be the competent consultant.

#### 2. Report on progress of LCMT phase 2 project (LCMT-TF3-03)

Japan, as the Project Overseer of the APEC LCMT project, reported on progress of LCMT phase 2 project.

#### 3. Presentation on Low Carbon Development for Samui Island (LCMT-TF3-04)

EEC Engineering Network, as the contractor of the project, presented on the Feasibility Study of Samui Island, highlighting the high-level vision of the project, the CO<sub>2</sub> reduction and other environmental targets in Samui Island, a menu of measures to achieve those targets, and its management scheme. According to its preliminary study of carbon intensity reduction, the carbon intensity will be reduced by 20% by 2020 and 40% by 2030 from 2012 as the base year. Absolute emissions of carbon dioxide will be reduced in 2030 from the BAU level of 1,200 Mt CO<sub>2</sub>/year to 720 Mt CO<sub>2</sub>/year.

EGEDA posed a question on what kind of data is collected from the private sector. EEC Engineering Network responded that it will conduct a focus group survey with hotels, resorts, etc., to collect energy consumption and other data. All waste goes to incinerators with no energy recovery as of now, but they are considering including energy recovery as well. EGEDA suggested collecting end-use data in hotels and shopping centers.

Regarding the carbon emissions target, APERC asked for clarification whether the targeted 40% reduction in 2030 and 20% reduction in 2020 are carbon intensity reductions or not. EEC Engineering Network confirmed that those reductions are calculated in terms of carbon intensity. It explained that they will use carbon intensity as an index, since absolute energy consumption will increase every year if no measures are implemented. If measures were implemented, emissions will be lower compared to no measures, but will still rise over time due to growing energy demand.

The U.S. commented that APEC has a project on micro-grids for isolated communities and it might serve as a useful reference to Samui Island. Also, it was pointed out that this work on Samui Island could be of benefit to many other communities in APEC, even cold ones in Russia, which have 50,000 people and do not have good gas or electricity connections. Japan commented that the “Concept of the Low Carbon Model Town in the APEC region” will be refined to adapt it to rural cities or towns.

EGEDA asked whether they have regional GDP or GDP data for Samui Island and how they will forecast them in the future. EEC Engineering Network responded that they have provincial GDP data but not for Samui Island itself. They have other detailed historical records and they will have to study these in more in detail.

#### **4. Draft Plan of Actions (LCMT-TF3-02)**

Japan presented on a draft Plan of Actions of LCMT-TF for 2012. It was stressed that the Feasibility Study and the refinement of the “Concept of the Low Carbon Model Town in the APEC region” need to be carried out closely together.

APERC, as the executant of the project, provided a supplementary explanation on the roles of Study Groups A and B.

Study Group A will refine the Concept to tailor it for islands and small communities. TF members will be invited to nominate additional Study Group A members by June. In July or August, a site visit to several low carbon development projects in several economies will be organised. TF members are asked to advise APERC as to candidate cities for the Study Group A visits.

Study Group B will conduct the policy review of Samui Island. It is planned to take place in September and TF members will be invited to nominate additional Study Group B members.

Chinese Taipei commented that Chinese Taipei and the U.S. are working on a Knowledge-Sharing Platform website under ESCI (Energy Smart Communities Initiative) and encouraged TF members to keep them updated with more details on the LCMT project.

Consensus was reached on draft Plan of Actions without modifications.

#### **5. Others**

Japan thanked everyone for attending the meeting, and the meeting was adjourned.