Minutes of

The 1/2014 Joint Meeting of Council and Associates of Thailand Business Council for Sustainable Development (TBCSD)

Date: March 25, 2014; 14:00 - 16:00 hrs Venue: at Ratchaburirom Room, M Floor, Ratchaburi Electricity Generating Holding PCL.

The meeting began at 14.00 hrs.

1. Chairman's Remark

Mr. Prasert Bunsumpun, the Chairman of TBCSD, expressed his gratitude to the audience to participate the meeting on that day.

2. Business Session

2.1 Adoption of the Agenda

Mr. Prasert Bunsumpun provided the overview of agenda and all members approved it.

2.2 Approval of the minutes of the 2/2013 Joint Meeting of Council and Associates of TBCSD

Dr. Uratchwee Unhalekhaka asked for the approval of the Minutes of the 2/2013 Joint Meeting of Council and Associates of TBCSD.

Resolution: All members acknowledge and approved the Minutes of the 2/2013 Joint Meeting of Council and Associates of TBCSD.

2.3 Progress of Activity / Projects

Dr. Uratchwee presented the summary of the progress that there were 3 programs as follows:

Programme 1: Sustainable Movement

Programme 1 aimed for Low carbon and green society operating in 2 parts consists of 1) Carbon reduction and 2) Carbon capture

(1) Carbon Reduction Label

- There are 9 member organizations currently received Carbon Reduction Label which could reduce GHGs emission 5,331,639 tonCO₂e per year. (44 organizations 180 products)
- After the validity period of 3 years, a member is in the process of renewing the label (IRPC PCL.) and 6 organizations have already done i.e. Carpets International Thailand PCL., The Siam Cement PCL., Siam City Cement PCL., Mitrphol Sugar Corp., Ltd., Tetra Pak Thai Ltd., Vinythai PCL.

- Published "Guideline for Certification of Carbon Reduction Label (Community Products)" (2,000 copies) in order to promote the reduction of energy consumption and waste production according to the criteria of carbon reduction label to the society
- In 2014, the assessment of carbon reduction label will be adjusted and developed to a new form as the Carbon Footprint Reduction Label that show the amount of GHGs emission of the products through their life cycle, in order to certify the products that have improved their production process in reducing energy consumption and reducing GHGs emissions

(2) Carbon Reduction Certification for Building

- 6 member organizations (10 buildings) have been certified -- The Bangchak Petroleum PCL., Energy Complex Co., Ltd., Kasikorn Bank PCL. (head offices in Chaeng Wattana, Ratchaburana and Phahon Yothin areas), Electricity Generating Authority of Thailand, Vinythai PCL. and The National Broadcasting Services of Thailand
- 2 external organizations (3 buildings) have been certified -- The Sunbeam Hotel in Pattaya and Bangkok Aviation Fuel Services PCL.
- 5 member organizations and 4 external organizations which are being assessed for certification

(3) Alternative Energy Certification

• A member organization (Vinythai PCL.) and 2 external organizations have been certified -- Chaiyaphum Plant Products Co., Ltd. and TPI Polene PCL.

(4) Manifesto for Energy Efficiency

- Department of Alternative Energy Development and Efficiency (DEDE), Industrial Estate Authority of Thailand (IEAT), Thailand Environment Institute (TEI) and Thailand Business Council for Sustainable Development (TBCSD) had arranged a VA-TBCSD trip in Sweden and Denmark during 14-22 March 2014 (total 9 days). The purposes of this trip are to observe the good practice in the energy management as well as to study the management model of Swedish agency in promoting energy development, and to visit the organization being in charge of policy planning of sustainable buildings in Denmark; so that we can bring the body of knowledge, management guidelines and new international technology to apply to our operations, in addition to the field trip concerning energy innovation, waste management and sustainable town development
- 11/02/14 Workshop on "Capacity Building in Energy Conservation for Large Business Staff (Potential Group)" at C.P. Thai Rice Co., Ltd. (Nakhon Luang Rice Mill). There were 9 organizations and 27 staffs attending to the workshop

(5) Green Meetings

- There are currently 57 organizations are being assessed for their compliance with Green Meetings guidelines, and 43 organizations have been implementing. A ceremony was held to present the Green Meetings Certification to 38 organizations
 - 14 organizations are being monitored and evaluated

• An external organization has been implementing Green Meetings Plus (Srithai Superware PCL. Korat Plant)

(6) Sustainable and Green Procurement Initiative

• In the process of publishing a guide for green procurement in the private sector to encourage business organization to use as the guidelines for the internal planning system and being able to extend the result to their business partners as well.

Programme2: Raising Awareness of Environmental Issue

(1) Global Warming and Health Fund

Activities related to provide of young generation with local research on "Effects of Global Warming on Ecosystem, Environment and Health"

- 24/01/14 at Napalai Hotel in Udonthani Province (14 schools; 171 persons)
- 31/01/14 at Gateway Phayao Hotel in Phayao Province (14 schools; 163 persons)
- 07/02/14 at C.S. Pattani Hotel in Pattani Province (22 schools; 255 persons)
- 13/02/14 at Royal Diamond Hotel in Petchaburi Province (9 schools; 101 persons)
- 20/02/14 at K.P. Grand Hotel in Chanthaburi Province (7 schools; 84 persons)

(2) Driving Behavior Change toward Sustainable Consumption (Finish it all)

• A promotional event was conducted to invite the primary, secondary level students and university education throughout the country to submit proposals for the "Finish it all" fund. Students can submit proposals until March 28, 2014

(3) The Young Writers Project

• According to the deadline on 17 February 2014, there are 67 submitted articles which the final round would be done by the judging panels on 28th March 2014

Elementary schools chose two essay topics

- Title 1. "Environmental products I want to buy" (9 articles)
 - 2. "Business Environment in my community" (5 articles)

Secondary schools chose two essay topics

- Title 1. "Examples of environmental concerns in the business environment" (26 articles)
 - 2. "The need to operate in tandem with the environment toward AEC" (27 articles)

(4) Eco-School Award

- 11/03/14 The competition results of the 5th Eco-School Award were announced:
 - Primary level, the 1st runner-up is Ban Nong Plalai School (Kanchanaburi Province)
- Secondary level, the 2nd runner-up is Kanlayanawat School (Khonkaen Province) and consolation prize is Bangmod Wittaya School (Bangkok)

(5) Eco-Hospital Award

- 27/02/14 The competition results of the 3rd Eco-Hospital Award were announced:
- Eco-Hospital Award of Large-scale hospital (150-500 beds) is Thammasat Hospital (Pathumthani Province)

- Eco-Hospital Award of Medium-scale hospital (90-150 beds) is Lampang Cancer Hospital (Lampang Province)
- Eco-Hospital Award of Small-scale hospitals (lower 90 beds) is Sriprachan Hospital (Suphanburi Province)
- The Intention and Development Award are Rajavejchiangmai Hospital (Chiangmai Province) and Phan Hospital (Chiangrai Province)

(6) Producing Media

■ The preparation of Green Society magazine, 5th year, issue No. 3 (September-December)

Programme 3: Capacity Building on Environmental Management and Good Practices

(1) Learning Together

• 07/03/14 Seminar on "Promoting Universal Design in Organizations towards Social Equality" was held at Industrial Estate Authority of Thailand

(2) Training/Seminar

- 17-21/02/14 Workshop on "Wastewater Treatment Operator batch#31" at Thailand Environment Institute
- 25/03/14 In collaboration with National Research Council of Thailand and Thailand Environment Institute, seminar on "The Truths You Should Know about Energy Security" was held at NRCT, Bangkok

(3) Miscellaneous (i.e. Social Activities)

• In the process of planning for conducting the activities

TBCSD Secretariat

(1) Public Relation

- 03/03/14 The scoop about Providing 50 Solar Lanterns to Communities in Mae Hong Son Province had uploaded to Youtube by NBT
- 10/03/14 The scoop about Promoting Universal Design in Organizations towards Social Equality had broadcasted by Nation channel
- 16/03/14 The article about Global Warming and Health Fund was published in Daily news, Global Warming column
- Promote TBCSD's activities through several medias; Daily News, Matichon, Siamrath, Siam Turakij, Post Today, Krungthep Turakij, Manager Daily News, Thai Post, Komchadluek, Thairath, Naewna, Sangkom Dee Mai Mee Khai Program, etc.

(2) Annual Conference

■ In the process of planning the annual seminar (Gala Dinner) 2014

(3) TBCSD Meetings

- 21/02/14 The TBCSD Secretariat arranged the Associate & PR Working Group Meeting 1/2014 at TEI
- 10/03/14 The TBCSD Secretariat arranged the PR Working Group Meeting to discuss about the exhibition of the annual seminar (Gala Dinner) 2014
- 25/03/14 The TBCSD Secretariat arranged the 1/2014 Joint Meeting of Council and Associates of TBCSD at Ratchaburi Electricity Generating Holding PCL

(4) Establish Relationship between Members

- TBCSD discussed with the public relation team of each member organization to improve the latest database
 - Additional data was collected for including in the database
- Information was collected for projects by TBCSD members for obtaining baseline data, so that the project could be pushed further into the implementation stage

2.4 Progress of Special Project

Low Carbon Society

(1) Green SIEP: The Sirindhorn International Environmental Park

■ In the process of planning to carry out the land development and plant trees in the area behind the Energy Centre which the area of approximately 13 Rais

(2) Development of a Community Power Plant in Mae Hong Son Province

- 24-26/02/14 In collaboration with Pandora Production Co., Ltd. and Thailand Environment Institute, the solar lanterns were provided to 50 households at Ban Hua Ha and Ban Pa Yoi in Mae Hong Son Province
- In the process of preparing to carry out the solar power project at Ban Hua Ha in Mae Hong Son Province supporting by Ratchaburi Electricity Generating Holding PCL. The project has been started since March 2014
- In the process of getting permission in the community hydro power plant construction at Ban Pa Bong supporting by Electricity Generating Authority of Thailand and at Ban Huay Pou Ling in Mae Hong Son Province supporting by PTT PCL.

(3) Natural Disaster Project

■ The Department of Disaster Prevention and Mitigation was preparing information to propose the project that requires support from the Natural Disaster group

Water Resource Management

Potable Water for Drought-Prone Villages

In the process of testing samples of ground water of Ban Tung Sawang Samakki Community, Ban Kueng Sub-district, Chiangkwan District, Roi Ed Province by developing the principle of Reverse Osmosis (RO) to improve the quality of water to be potable

3. Issues for Consideration

3.1 Gala Dinner 2014

Dr. Uratchwee Unhalekhaka presented draft agenda of Gala Dinner 2014 and exhibition's theme "Green Service Innovation"

4. Other Matters

Mr. Prasert Bunsumpun, the Chairman of TBCSD arrangements for next meeting on 23rd June 2014 at 2.00 PM. And inviting to a conference and study visit of the member organizations

Comments and Suggestions

Mr. Prasert Bunsumpun recommended

- The knowledge gained from the study trip should be presented to wider society.
- The expansion of member base and promote TBCSD's activities more.
- Inform TBCSD projects/activities to corporate members by setting up the road show
- Agreed with the theme of Gala Dinner 2014 "Green Service Innovation" and the Secretariat could prepare and invite the keynote speaker

Mr.Pramote Inswarng suggested

- TBCSD should present the target driven and operation/activities as a flowchart
- Should translate the theme of Gala Dinner 2014 to Thai

Mr. Veera Akaraputhiporn advised

- Should arrange the study trip to waste management system (landfill) at Bang Len, Nakhon Pathom where TBCSD could support technology and publicize through media later.

Mr.Narong Boonyaquan suggested

- Study about the waste to energy technology in order to continue the projects/activities.

The meeting was adjourned at 16.00 hrs.

Prepared by

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Researcher

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Researcher

Thailand Environment Institute

Pinyada Cm.

Approved by

Dr. Uratchwee Unhalekhaka

Executive Director

Thailand Business Council for Sustainable Development

List of Participants

Council Members, Associate Members and Representative Advisors:

| 1. | Mr. Prasert Bunsumpun | Chairman |
|-----|---------------------------------------|---|
| 2. | Dr. Qwanruedee Chotichanathawewong | Thailand Environment Institute |
| 3. | Mr.Sawang Bootsong | Asia Cement Public Company Limited |
| 4. | Mr. Withaya Wichayarangjaridh | Bayer Thai Co., Ltd. |
| 5. | Mr. Sutee Smudraprabhud | Charoen Pokphand Foods Public Company Limited |
| 6. | Mrs. Sarin Chaiyakul | Chevron Thailand Exploration and Production, Ltd. |
| 7. | Mr. Vorapong Vorasuntharosoth | Dow Chemical Thailand Ltd. |
| 8. | Mr. Mongkolnimit Auacherkul | Esso (Thailand) Public Company Limited |
| 9. | Mrs.Suthatsanee Wainiya | Electricity Generating Authority of Thailand |
| 10. | Mrs.Wilailux Sangtaksin | Electricity Generating Authority of Thailand |
| 11. | Ms.Wornrapee Nakpetch | Industrial Estate Authority of Thailand |
| 12. | Mrs. Promjit Rattakitvijan | PTT Public Company Limited |
| | Na Nakorn | |
| 13. | Mr. Pichapong Pokapun | PTT Public Company Limited |
| 14. | Ms. Sireetorn Maneepan | PTT Public Company Limited |
| 15. | Ms.Boontiva Dansamasatid | Ratchburi Electricity Generating Holding, Pcl. |
| 16. | Ms. Charusuda Boonkerd | Ratchburi Electricity Generating Holding, Pcl. |
| 17. | Mr.Suparchai Pojpanich | Ratchburi Electricity Generating Holding, Pcl. |
| 18. | Mr. Nattawut Trachoo | Siam City Cement Public Company Limited |
| 19. | Mr.Numpol Limprasert | The Saim Cement Public Company Limited |
| 20. | Dr. Promtida Sodsai | Thai Oil Public Company Limited |
| 21. | Mr.Sompot Cheeranorawanich | Vinythai Public Company Limited |
| 22. | Mrs.Viraya Khunprom | Vinythai Public Company Limited |

Honorary Advisor, Advisors and Committee:

| 1. | Mr. Pramote Inswarng | Advisor |
|----|---------------------------|-----------|
| 2. | Mr. Narong Boonyaquan | Advisor |
| 3. | Mr. Veera Akaraputhiporn | Advisor |
| 4. | Dr. Songkiert Tansamrit | Advisor |
| 5. | Mr.Nuttachart Charuchinda | Committee |

Secretariat Office:

| 1. | Dr. Uratchwee Unhalekhaka | Thailand Environment Institute |
|----|---------------------------|--------------------------------|
| 2. | Ms. Pinyada Charoensin | Thailand Environment Institute |
| 3. | Ms. Temsiri Thairit | Thailand Environment Institute |
| 4. | Ms. Sasiporn Iamorng | Thailand Environment Institute |