Minutes of

The 1/2016 Joint Meeting of Council and Associates of Thailand Business Council for Sustainable Development (TBCSD) Date: March 29, 2016; 10:30 – 12:00 hrs Venue: at PTTGC, ENCO A, Fl.14, Vibhavadi Rangsit Road, Chatuchak, Bangkok

The meeting began at 10.30 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 and introduce the new President of Thailand Environment Institute, Professor Dr. Thanawat Jarupongsakul.

Resolution: All members acknowledged the new President of TEI.

2. Business Session

2.1 Adoption of the Agenda

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

2.2 Approval of the Minutes of the 2/2015 Joint Meeting of Council and Associates of TBCSD

- Ms.Pinyada Charoensin/TEI asked for the approval of the Minutes of the 2/2015 Joint Meeting of Council and Associates of TBCSD held on 16 December 2015.

Mr.Pramote/Advisor required the correction the specific name on page 6 from the electrical wiring to the distribution line.

Resolution: All members acknowledge and approved the Minutes of the 2/2015 Joint Meeting of Council and Associates of TBCSD.

3. Issues for Acknowledgement

3.1 Members Information

Mr. Prasert Bunsumpun/ Chairman presented TBCSD members in 2016 which are 37 high profile business leaders from 37 companies, covering all business sectors in Thailand.

Resolution: All members acknowledged the members information.

3.2 Introduction of New Member

Mr. Prasert Bunsumpun/ Chairman presented a new member of TBCSD in 2016 which is A.P. Honda Co.,Ltd.

Mr. Thawatchai Tangjitcharoenkun, A.P. Honda Co.,Ltd. representative, introduced the Honda group's companies in Thailand i.e. Automobile, Motorcycle and Power Product. The company established in 1986 as the official Honda Motorcycle distributor in Thailand. Vision "Become the most beloved brand to create corporate sustainability".The company environmental performance and social activity.

3.3 Progress of Activities/Projects

Ms.Pinyada Charoensin/TEI presented the progress that there are two programs as follows:

Programme 1: Sustainable Movement

(1) Green Label

• Certified Products for Green label - 494 Models: 25 products categories: 65 companies (February 2016)

• Publicizing the project by:

1)Acquiring souvenirs for customers

2)Producing public relation materials including pamphlets and handbooks to publicize the project among business operators and interested publics.

• Implementing the project on building organization of environmental learning for SMEs in production sectors with the view to achieve green economy under cooperation between DOW and TEI.

• TEI submitted an application to Thai Industrial Standards Institute (Ministry of Industry) for certifying TEI's capacity in providing certification for Green Label in accordance to ISO/IEC 17065 standard.

• Green Label Project conducted an exhibition :

- 01 February 2016 - Seminar on "Green Procurement" at Chaophya Park Hotel, Bangkok.

(2) Carbon Reduction Label

Carbon Reduction Label Project conducted an exhibition :

01 February 2016 - Seminar on "Green Procurement" at Chaophya Park Hotel,

Bangkok.

03 February 2016 - Training Workshops at TEI.

4 organizations (13 Products) are in the process of the label (Manufacturing Process Type)

1) TPI Polene Public Company Limited (3 Products)

2) Mahaphant Fibre-Cement Public Company Limited (7 Products)

3) Tetra Pak Jurong Pte. Limited (1 Product)

4) AkzoNobel Paints (Thailand) Company Limited (2 Products)

After the validity period of 3 years, 6 organizations (22 Products) are in the process of renewing label

1) SCG Cement Company Limited (1 Product)

2) Map Ta Phut Olefins Company Limited (1 Product)

3) F&N Dairies (Thailand) Limited (11 Products)

4) AkzoNobel Paints (Thailand) Company Limited (3 Products)

5) Green Spot Company Limited (3 Products)

6) IRPC Public Company Limited (3 Products)

15 February 2016 – Advertising Banner of Carbon Reduction Label on the bus.
Operational time for publicize are 3 months (February – April 2016)

(3) Carbon Reduction Certification for Buildings

- 2 organizations (3 buildings) are in the process of renewing the label.
 - 1) Office building No.102, Electricity Generating Authority of Thailand

2) Main Building and Operation Building, Bangkok Aviation Fuel Services Public Company Limited

• A member organization (1 building) is being assessed for certification – Office building No.101, Electricity Generating Authority of Thailand

(4) Alternative Energy Certification

• An organization is in the process of renewing the label –Chaiyaphum Plant Products Company Limited.

(5) Green Meetings

Green Meetings Plus

- 4 organizations have already monitored the Green Meetings Plus
 - 1) Double A (1991) Public Company Limited
 - 2) Department of Sanitary Engineering, Faculty of Public Health, Mahidol

University

- 3) College of Oriental Medicine, Rangsit University
- 4) MITRPHOL Group
- 2 organizations are being monitored and evaluated.

1) Singburi Sugar Mill

2) Sahaviriya Steel Industries Public Company Limited

Green Meetings

- 6 organizations have already monitored the Green Meetings
 - 1) Faculty of Public Health, Mahidol University
- 2) Rangsit Pharmaceutical Production Plant 1, The Government

Pharmaceutical Organization

3) Krung Thai Bank Public Company Limited

- 4) Sahaviriya Steel Industries Public Company Limited
- 5) United Farmer& Industry Company Limited (Phu Luang Branch)
- 6) T.S. Group Management Company Limited (Rayong Branch)
- 11 organizations are being monitored and evaluated.
 - 1) Chedeeloung Sub- District Municipality, Mae Suai District, Chiang Rai
 - 2) Provincial offices for Natural Resources and Environment Rayong
 - 3) Rajamangala University of Technology Lanna Phitsanulok

4) Rajamangala University of Technology Lanna Tak

5) Loei Rajabhat University

6) The Sarann Hotel

7) Mitr Phol Bio-Power (Dan Chang) Company Limited

8) Office of President, Suan Sunandha Rajabhat University

- 9) Thai Cold Rolled Steel Sheet Public Company Limited
- 10) ASEAN Institute for Health Development, Mahidol University
- 11) T.S.Group Management Company Limited

After the validity period of 3 years

• An organization has already renewed the Green Meetings Certification. - Srithai Superware Public Company Limited (Korat Branch)

- 2 organizations are in the process of renewing the Green Meetings Certification.
 - 1) IRPC Public Company Limited
 - 2) Faculty of Graduate Studies, Mahidol University
- 9 organizations are being monitored and evaluated.
 - 1) Electricity Generating Authority of Thailand
 - 2) Mitr Phol Sugar Corporation Limited
 - 3) PTT Global Chemical Public Company Limited
 - 4) Mitr Phol Sugar Mill, Supanburi Province
 - 5) Singburi Sugar Mill
 - 6) Mitr Phuviang Sugar Mill
 - 7) Mitr Phukhieo Sugar Mill
 - 8) Mitr Kalasin Sugar Mill
 - 9) K.M.Packaging Company Limited

Comments and Suggestions

Mr.Pramote/Advisor said that in case of entrepreneurs who request for obtaining the certification of green label, but they did not be the renewal members after they are refused to receive the certification. The Secretariat should follow up to detact on the problems and the way to solve such issues, in order to having guidelines on such problems in the future.

<u>Resolution</u>: The Secretariat would response to each suggestion.

<u>Programme 2</u>: Raising Awareness of Environmental Issue

(1) Global Warming and Health Fund

• The meeting of the Global Warming and Health Fund Committee was organized to consider for funding research projects (year 2015) and announce the awards for outstanding research excellence as follows:

Excellent research award: (An educational fund worth 50,000 baht)

- Pasang School, Lamphum Province

6 Honorable mention research awards: (An educational fund worth 20,000 baht)

1) Phanomsarakham "Phanom Adun Witthaya" School, Chachoengsao

Province

2) Donchanwitthayakhom School, kalasin Province

- 3) Sichonkunathanyittaya School, Nakhon Si Thammarat Province
- 4) Princess Chulabhorn's College, Pathumthani, Pathumthani Province
- 5) Srinagarindra The Princess Mother School, Rayong Province
- 6) Thep Sirin Nonthaburi School, Nonthaburi Province

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

1) 18 February 2016 – Nakhon Ratchasima Province

2) 04 March 2016 - Surat Thani Province

3) 07 March 2016 – Chachoengsao Province

4) 08 March 2016 – Kanchanaburi Province

5) 10 March 2016 - Nan Province

• There were 72 schools participating in the activities related to provide of young generation with local research on "Effects of Global Warming on Ecosystem, Environment and Health" with 450 students.

• The research fund on "Effects of Global Warming on Ecosystem, Environment and Health" has requested for proposal until 29 April 2016.

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

• The Meeting to consider the prizes for the 1st place, 2nd place, 3rd place and honorable mentions (in each level) for the Best Concept Award as follows:

The elementary school level

1st place award:

- Mary Immaculate Convent School, Chonburi Province, awarded an educational fund worth 30,000 baht.

2nd place award:

- Banluang School, Chiang Mai Province, awarded an educational fund worth 20,000 baht.

Honorable mentions award:

- Krabakwittayakarn School, Maha Sarakham Province, awarded an educational fund worth 5,000 baht.

The high school level

1st place award:

- Satree Thung Song School, Nakhon Si Thammarat Province, awarded an educational fund worth 30,000 baht.

 2^{nd} place award:

- Soemngam Witthayakhom School, Lampang Province, awarded an educational fund worth 20,000 baht.

3rd place award:

- Mancha Suksa School, Khon Kaen Province, awarded an educational fund worth 10,000 baht.

Honorable mentions award:

- Tong Sawat Wittayakhan School, Mae Hong Son Province, awarded an educational fund worth 5,000 baht.

- Benjamarachutit Ratchaburi School, Ratchaburi Province, awarded an educational fund worth 5,000 baht.

• A promotional event was conducted to invite throughout the country to submit proposals for the "Finish it all" fund. Students can submit proposals until 15 April 2016.

(3) The Young Creative Environment Artist

• According to the deadline on 16 February 2016, there are 140 submissions which were made for a competition entitled "OUR LIVING ENVIRONMENT"..

Elementary schools chose two essay topics

Title 1. "Models for preserving the local environment" (57 submissions)

2."Traditional knowledge that contribute to preservation of the environment" (54 submissions)

Secondary schools chose two essay topics

Title 1. "Efficient use of local resources for job creation" (using multimedia or digital video files with 30-90 seconds running time) (2 submissions)

2. "Prefer business for preservation of the local environment" (27 submissions)

• The submissions are being reviewed by the competition committees and winners are to be announced by April 2016.

(4) Universal Design

• The secretariat office has been publicized actions to promote civil architecture among members of TBCSD (KTB/Double A/RATCH) to wider audiences (including public agencies and enterprises, private organizations, medical treatment establishments, Thailand Association of Disabled). This action was supported by advertisements for the proceedings of the 3rd international technical seminar on the disables to be held on 28-29 April 2016 at Windsor Suites Hotel, Bangkok.

(5) Producing Media

• The publication of Green Society magazine, 7th year, issue No. 2-3 (May-December 2015)

The preparation of Green Society magazine, 8th year, issue No. 1 (January – April 2016)

TBCSD Secretariat

(1) Public Relation

• The scoop of press conference on "Eco-Products International Fair 2016 (EPIF 2016)" by epif 2016 Website, Postupnews etc.

- TBSCD newsletters (through e-mail)
- In the process update the information in TBCSD website

(2) Annual Conference

• In the process of planning the annual conference 2016

(3) Associates & PR Meeting

• 16 February 2016 - The TBCSD Secretariat arranged the Associate & PR Working Group Meeting 1/2016 at TEI.

• 18 March 2016 - The TBCSD Secretariat arranged the Associate & PR Working Group Meeting to discuss about the exhibition of the Eco - Products International Fair 2016 at TEI.

(4) Council & Associates Meeting

29 March 2016 - The TBCSD Secretariat arranged the Council & Associates Meeting 1/2016 at PTTGC, ENCO A, Fl.14, Vibhavadi Rangsit Road, Chatuchak, Bangkok.

(5) Establish Relationship between Members

• In the process update the information TBCSD members (Council, Associate and PR) for baseline data.

Resolution: All members acknowledged the progress reports.

3.4 Progress of Special Projects

Low Carbon Society

(1) Development of the Community Energy System in Mae Hong Son Province

• 08-22 December 2015 - Sustainable Energy Foundation of the PTT completed the installation of the solar system for Ban Huay Pou Ling, Mae Hong Son Province. The system provide approximately 15.6 kilowatt of electricity for the Ban Huay Pou Ling Sub-district administration office, Ban Huay Pou Ling School, a child care center and a temple in the community.

• 01 February 2016 - Training was also organized on basic maintenance of the system in order to ensure the community's self-reliance on energy in sustainable manner at Ban Huay Pou Ling, Mae Hong Son Province.

• 01-02 March 2016 - EGAT surveying and consulting with community leaders to conduct a Pre-Feasibility study of Solar System Installation at Ban Pa Yoi, Khun Yuam District, Mae Hong Son Province.

Water Resource Management

(1) Potable Water for Drought-Prone Villages

• The secretariat office coordinated with the Groundwater Resource Regional Center 11 (Ubonratchathani Province) in developing a proposal for action Drought Prone Areas.

Resolution: All members acknowledged the progress reports.

3.5 Summary of Budget in 2015

Ms.Pinyada Charoensin/TEI presented the summary of Budget in 2015 (December 2015) as follows:

1. Income

Members 32 Organizations	8,000,000 1	baht
(32 Organizations x 250,000 Baht)		
Remaining Funds from 2014	1,218,658 1	baht
Summary	9,218,658	baht
2. Operating Expenses		
Summary	6,954,962	baht
<u>3. Summary</u>		
Remaining Budget	2,263,697	baht
7/10		

Special	pro	jects

reality

•	Remaining Budget	86,260	Baht
•	Expenditure	217,018	Baht
-	Budget	303,278	Baht
Green SIEP: The Sirindhorn International Environmental Park			
•	Remaining Budget	1,029,599	Baht
-	Expenditure	2,280,643	Baht
•	Budget	3,310,242	Baht

<u>Remark</u> The budget was audited by Price Waters House Coopers.

Resolution: All members acknowledged the summary of Budget in 2015.

3.6 Intended Nationally Determined Contribution (INDC) to United Nations, and COP21 : Paris Agreement by Representative from Office of Natural Resources and Environmental Policy and Planning (ONEP)

Dr. Phirun Saiyasitpanich, Director, Climate Change Management Coordination Division from Office of Natural Resources and Environmental Policy and Planning (ONEP) presented the COP21: Paris Agreement and Intended Nationally Determined Contribution (INDC). His content is shown in detail below:

The COP21 in Paris has culminated with the adoption of a historic agreement on climate change. The Paris Agreement aims to keep temperature rise below 2°C, and to achieve net-zero emissions within the year 2030. The final agreement includes the provision of finance (at least US\$ 100 billion per year) from the developed countries to support the developing countries in the transition towards low greenhouse gases and climate resilient development. Thailand has established the greenhouse-gas emission mitigation goal in percentage in the range between 20-25% in the case of Business as Usual (BAU) to be achieved by the year 2030. The key elements of the COP21 are consisted of:

- Adaptation strengthening ability of countries to deal with climate impacts.
- Mitigation reducing emissions fast enough to achieve the temperature goal.
- Transparency and global stocktake accountable for climate action.

• Capacity building and Education– strengthening ability to recover from climate impacts.

• Support/ Finance – to support and build clean technology and resilient futures.

The INDCs is a term used under the United Nations Framework Convention on Climate Change (UNFCCC) for reduction in greenhouse gas emissions. The INDCs mean for governments to communicate internationally the steps that will take to address climate change in their own countries, the INDCs will reflect each country's ambition for reducing emissions, taking into account its domestic circumstances and capabilities. The concept of Thailand's INDCs is known for:

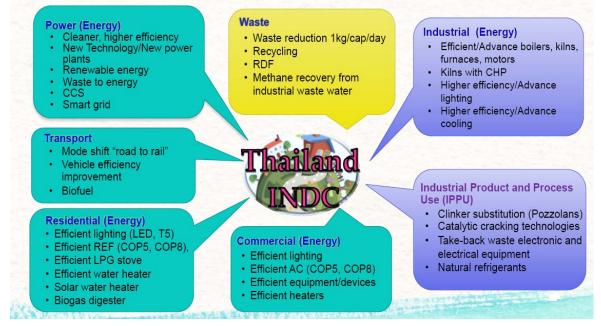
• Consistent with the philosophy of Sufficiency Economy and the principle of sustainable development

- Integrate and further develop national policies and plans
- Focus on a map powered by governmental support and lead to an operational
 - Further operations in the NAMAs. (Nationally Determined Mitigation Action)

Thailand's INDCs was formulated based on the following plans already approved or in the pipeline for approval by the Cabinet, the content is shown in detail below:

- National Economic and Social Development Plans
- Climate change Master Plan B.E. (2015-2050)
- Power Development Plan B.E. (2015-2036)
- Thailand Smart Grid Development Master plan (2015-2036)
- Energy Efficiency Plan B. E. (2015-2036)
- Alternative Energy Development Plan B. E. (2015-2036)
- Environmentally Sustainable Transport System Plan B.E. (2013-2030)
- National Industrial Development Master Plan B.E. (2012-2031)
- Waste Management Roadmap
- Environmental quality management

The summarize of activities to achieve Thailand's INDCs



4. Issues for Consideration

4.1 Carbon Reduction Policies & Plans and Proposals of TBCSD Members

Dr. Phirun Saiyasitpanich, Director, Climate Change Management Coordination Division from Office of Natural Resources and Environmental Policy and Planning (ONEP) presented there are four recommendations to the Thai government to set plan or regulation and incentive for reducing emissions of greenhouse gases in Thailand, and the recommendations are:

1. Raise environmental awareness/campaign

2. Environmental tax incentive

3. Governmental subsidies/government policy supporting (e.g.using clean technology, Green procurement, and GHG Road map)

4. Environmental education/training/counseling/meeting

4.2 Eco-Products International Fair 2016

Ms. Pinyada Charoensin/TEI said that the Federation of Thai Industries (FTI) has received bids from The Asian Productivity Organization (APO) that will be held for Eco-Products International Fair 2016 "24 Hours - Eco Life" and Collaborative Organizations: TBCSD. & TEI.

Date : 08 – 11 June 2016

Venue : Bangkok International Trade & Exhibition Centre (BITEC), Bangkok

In addition, the event will feature many exhibit booths, including with TBCSD booths in the theme of Eco Innovation for Sustainable Environment, and the 14 member organizations (Bangchak, CarpetInter, Double A, DOW, EGAT, IEAT, IRPC, KBank, PTTEP, PTTGC, PTT, SCB, Tetrapakand and Vinythai) will participate in this event.

Resolution: All members acknowledge the Eco-Products International Fair 2016.

4.3 Gala Dinner 2016

Ms.Pinyada Charoensin/TEI presented that draft agenda of Gala Dinner 2016.

Date : Thursday, 9th June 2016.

Venue : Vibhavadee Ballroom B & C, Centara Grand at Central Plaza Ladprao, Bangkok

Schedule	Detail	
16.00 – 17.00 hrs.	A press conference on "TBCSD on business cooperation toward reducing	
	greenhouse gases emission in accordance to relevant public policies" and	
	"Green Meetings Certification", "Carbon Reduction Label Certificate for	
	Products and Building", "Alternative Energy Certification" and Green	
	Label; at Vibhavadee Ballroom A, Centara Grand at Central Plaza	
	Ladprao, Bangkok.	
17.30 – 20.50 hrs.	Gala Dinner	
	* Specialty Show	
	* Speech by Dr. Somkid Jatusripitak and Dr. Raweewan Bhuridej	
	* Award Ceremony	
	* Photo Session	

Resolution: All members acknowledged and approved the Gala Dinner 2016.

5. Others (if any)

5.1 Ms. Pinyada Charoensin/TEI invited TBCSD member organizations to attend a seminar on the topic of " Environmental Restoration with an alive weir" on 4 April 2016 at 13:30 to 16:30 hrs. at Thailand Environment Institute.

Professor Dr. Thanawat Jarupongsakul said that the seminar will be highly honored from Professor Dr. Sriracha Wongsarayangkul, the president of the office of the Ombudsman, and he will speak about an environmental recovery with an alive weir. Moreover, this event has a special lecturer from Mr. Sukpong Nilpirat, a community leader of the center for the studying and development of Nokhon Si Thammarat's community. Mr. Sukpong Nilpirat has many experiences to perform the weirs, so both speakers will share their knowledge and experience of water management by using the weirs.

<u>Resolution</u>: All members acknowledged.

Comments and Suggestions

Mr. Prasert Bunsumpun/ Chairman said that the secretariat has to plan a seminar on drought and flood, and kindly invites Professor Dr. Thanawat Jarupongsakul to lecture about trends and the situation of water management for the future arrangement. This is to provide the knowledge to our society.

Resolution: The Secretariat would response to each suggestion.

The meeting was adjourned at 12.20 hrs.

Prepared by

Ms. Krongkaew Maneechai Asst.Program Officer Thailand Environment Institute **Approved by**

Pinyada Cim

Ms. Pinyada Charoensin Project Manager Thailand Environment Institute

List of Participants

Council Members, Associate Members and Representative Advisors:

1.	Mr. Prasert Bunsumpun	Chairman
2.	Professor Dr. Thanawat Jarupongsakul	Thailand Environment Institute
3.	Dr. Phirun Saiyasitpanich	Office of Natural Resources and Environmental Policy and Planning (ONEP)
4.	Ms.Anuporn Wanwisade	Office of Natural Resources and Environmental Policy and Planning (ONEP)
5.	Mr. Thawatchai Tangjitcharoenkun	A.P. Honda Co.,Ltd.
6.	Mr. Kavee Aiempatanasuk	A.P. Honda Co.,Ltd.
7.	Ms.Wanida Wongvisetsak	Double A (1991) Public Company Limited
8.	Ms. Pairat Tanametaveeskul	Double A (1991) Public Company Limited
9.	Ms.Poranee Kongamornpinyo	Dow Chemical Thailand Ltd.
10.	Ms.Poonsook Chaiyata	IRPC Public Company Limited 11/13

11.	Ms.Rattana Phattharathanakan	Kasikorn Bank Public Company Limited
12.	Mr.Charoenchai Praweenworakul	Krung Thai Bank Public Company Limited
13.	Mr.Prasert Salinla-umpai	PTT Public Company Limited
14.	Ms.Chomsuda Eamsherangkul	PTT Public Company Limited
15.	Ms.Rueanrat Julawong	PTT Public Company Limited
16.	Ms.Suntaree Suakham	PTT Public Company Limited
17.	Mrs.Nalinmanee Paaopanchon	PTT Public Company Limited
18.	Ms.Sarawan Kaewkriengkrai	PTT Public Company Limited
19.	Ms.Boontiva Dansamasatid	Ratchaburi Electricity Generating Holding PCL
20.	Mr.Suparchai Pojpanich	Ratchaburi Electricity Generating Holding PCL
21.	Ms.Tanachaporn Tanvanichakul	Ratchaburi Electricity Generating Holding PCL
22.	Mr.Numpol Limprasert	The Siam Cement Public Company Limited
23.	Ms.Nattaya Lourvanij	Siam City Cement Public Company Limited
24.	Mr.Teera Puxsupachat	Tetra Pak (Thailand) Limited
25.	Mr.Santi Wasanasiri	Thai Oil Public Company Limited
26.	Mr.Wichai Maithong	Thai Oil Public Company Limited
27.	Ms.Suphattra Pansaneha	Toyota Motor Thailand Co., Ltd.
28.	Mr.Sompot Cheeranorawanich	Vinythai Public Company Limited
29.	Ms.Viraya Khunprom	Vinythai Public Company Limited

Honorary Advisor, Advisors and Committee:

1.	Mr. Pramote Inswarng	Advisor
2.	Mr. Narong Boonyasaquan	Advisor
3.	Dr. Songkiert Tansamrit	Advisor
4.	Mr. Prapon Nilvacharamani	Advisor
5.	Mr. Veera Akaraputhiporn	Advisor
6.	Mr. Sarun Rungkasiri	Chairman, Water Resource Management
		Committee

Secretariat Office:

- 1. Ms. Pinyada Charoensin
- 2. Dr. Umapron Sadubthummarak
- 3. Ms. Krongkaew Maneechai

Thailand Environment Institute Thailand Environment Institute Thailand Environment Institute