Progress / Status of Current EGNRET Projects

APEC Workshop on Quality Electric Power Infrastructure focusing on Waste to Energy (EWG 09 2018S)

March 20, 2019

Takao Ikeda
The Institute of Energy Economics, Japan
(IEEJ)
1. Relevance

➢ APEC EWG issued “APEC Guideline for Quality Electric Power infrastructure” in October 2016. Because this guideline is made for thermal power plant in general, this doesn’t cover some unique points of the Waste to Energy. The purpose of this workshop is focus on Waste to Energy in the context of “APEC Guideline for Quality Electric Power infrastructure”.

➢ The workshop intends to enhance the capacity of the APEC members to understand Quality Waste to Energy power plant and improve 3E+S of Waste to Energy in the APEC region.

2. Objectives

➢ The key objectives are: to provide vital information on “APEC Guideline for Quality Electric Power infrastructure” and specific information on Waste to Energy in the context of the above Guideline and issues on Waste to Energy; to share experiences on requirements for introducing Waste to Energy plants in municipalities.
APEC Workshop on Quality Electric Power Infrastructure focusing on Waste to Energy

APEC Forum: Energy Working Group
Proposing APEC Economy: Japan
Co-sponsoring economies: Philippines, Chinese Taipei, Thailand
Expected start date: November 2018, End date: March 2019
APEC (USD): None (Self Funded Project)

Date: January 21-22, 2019
Venue: Shinjuku and Nerima in Tokyo, Japan

Participants including speakers, self funded and local participants:
Indonesia(1), Malaysia(1), Philippines(2), Thailand(3), Vietnam(2), APERC(2) and 23 from various organizations in Japan
## Final Agenda

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<th>Contents</th>
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<td>Registration</td>
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| Opening & Photo Session (Group and Individual Photo) | 9:00–9:30 | Mr. Denis Eriska  
Head of Cleanliness Division,  
Public Housing, Settlement Area and  
Cleanliness Agency of Sukabumi Regency, Indonesia |
| Requirements for introducing WtE plants in Sukabumi | 9:30-10:00 | 30 min  
Mr. Edisham Mohd Sukor  
Deputy Director, Renewable Energy Technology,  
Sustainable Energy Development Authority (SEDA), Malaysia |
| Requirements for introducing WtE plants in Malaysia | 10:00-10:30 | 30 min  
Mr. Tristan U. Villanueva  
Science Research Specialist II  
Biomass Energy Management Division  
Renewable Energy Management Bureau  
Department of Energy, Philippines |
| Coffee Break | 10:30-10:45 | 15 min  
Mr. Tadahisa Oomiya  
Section Chief in charge of Construction Coordination, Construction Department  
Construction Division, Clean Authority of TOKYO, Waste disposal of TOKYO 23c (CAT23) |
| Requirements for introducing WtE plants in Cagayan de Oro | 10:45-11:15 | 30 min  
Mr. Daoruang Hakandai  
Director of Public Works  
Udonthani City Municipality, Thailand |
| Requirements for introducing WtE plants in Udon Thani | 11:15-11:45 | 30 min  
Mr. Minh Quang Do  
Vice Manager, Office of Hai Phong  
Department of Foreign Affairs, Vietnam |
| Lunch by your own | 12:15-13:30 | 75 min  
Mr. Takao Ikeda  
Senior Economist, New and Renewable Energy Group, The Institute of Energy Economics, Japan (IEEJ) |
| APEC Guideline PEC Guideline for Quality Electric Power Infrastructure | 13:30-13:45 | 15 min  
Mr. Yukihisa Sakata  
Senior Consultant, International Consulting Department  
EX Research Institute Ltd |
| Introduction of WtE Handbook | 13:45-14:15 | 30 min  
Mr. Satoshi Sugimoto  
Deputy Department Director, International Consulting Department  
EX Research Institute Ltd |
| Importance of Comprehensive Evaluation Method and Practical Examples for Construction of Waste-to-Energy Facility | 14:15-14:45 | 30 min  
Mr. Tadahisa Oomiya  
Section Chief in charge of Construction Coordination, Construction Department  
Construction Division, Clean Authority of TOKYO, Waste disposal of TOKYO 23c (CAT23) |
| Coffee Break | 14:45-15:00 | 15 min  
Moderator |
| Panel discussion: Requirements for introducing WtE plants in Municipalities | 15:00-16:15 | 75 min  
Mr. Satoshi Sugimoto  
Deputy Department Director, International Consulting Department  
EX Research Institute Ltd |
| APEC Project Evaluation Survey | 16:15-16:30 | 15 min  
Mr. Takao Ikeda  
Senior Economist, New and Renewable Energy Group, The Institute of Energy Economics, Japan (IEEJ) |
| Closing | 16:30-16:35 | 5 min  
Moderator |

- “Handbook for Quality Waste to Energy Infrastructures” by EXRI et al
- Practice of Bidding evaluation process of WtE facilities in Tokyo 23 special Ward by CAT23
- Requirements introducing WtE plants in 5 APEC municipalities
- Site Visit to CAT23 facilities
  (1) Nerima Incineration Plant (WtE Facility)
  (2) Nerima Cleaning Office (Sorted collection of Waste)
Introducing Quality in WTE as QWTEI (Quality Waste To Energy Infrastructure) in the context of QEPI of “APEC Guideline for Quality Electric Power infrastructure”.