

**SEforALL(Sustainable Energy for All)**

**International workshop in Japan on Building Energy Efficient Building**

# PROGRAM GUIDANCE

**February 14, 2017**

**The Energy Conservation Center, Japan  
SE4ALL Energy Efficiency Facilitating Hub**



# WELCOME TO JAPAN!



Fireworks



Autumn Leaves



Sapporo Snow Festival

# PARTICIPANTS

## ASEAN

One (1) official participant from eight (8) countries in ASEAN plus one (1) person from ACE(ASEAN Centre for Energy).  
In total 11 persons (Inclusive of 2 observers).

## Advisers / Experts from

- Copenhagen Centre on Energy Efficiency
- National Institute for Land and Infrastructure Management, Ministry of Land, Infrastructure, Transport, and Tourism
- Bureau of Environment Tokyo Metropolitan Government
- The Energy Conservation Center, Japan (ECCJ)

Sponsored by Ministry of Economy, Trade and Industry (METI)

# Background of the Workshop

- SE4All Tokyo Forum was successfully conducted in October 2015, and a clue of “Promotion of Building Codes for Energy Efficiency and Conservation in the ASEAN region” were found in the session 1 “City-led policies for building energy efficiency”. This time the main objective is to follow up the above-mentioned forum.
- To further get fruitful results, it is necessary to promote (1) Introduction of high energy efficiency technology and facilities, (2) Practical city planning to encourage the said introduction with cooperation between city authorities and private sectors, and (3) Capacity building for the users of buildings.
- The Energy Conservation Center, Japan (ECCJ) has long contributed to the capacity building In the building-related field in the ASEAN countries and one of the major present themes is establishment and implementation of the Energy Efficient Building Codes.

# Overview of the Workshop

- To carry out effective workshop, the speakers (participants) in the field of building energy efficiency will be invited from all the ASENAN countries. Each speaker will explain the situations of each country in terms of the stage of Energy Efficient Building Codes diffusion, which will be commonly shared among the workshop participants.
- Then the professionals of Japan will provide information on Energy Efficient Building Codes of Japan with the historical background and characteristic points, especially the latest situation in Japan regarding Building Codes has changed to the one where compliance to the energy efficiency standard is mandatory while only notification of the compliance of the building to the codes was mandatory before.
- These information on Energy Efficient Building Codes of Japan would be very useful for the participants to prepare and implement their building code on energy efficiency. We hope that through the workshop activities, the participants will make out some ideas for the future plans of their own countries.

# Purpose of the Program

This workshop has the following objectives:

- To learn history of Energy Efficient Building Codes in Japan, with the characteristics of the latest codes, both in the stage of design and operation
- To learn various aspects of information on Energy Efficient Building Codes of Japan to be used for the establishment of the future codes of the respective countries
- To prepare “Country Report” at the beginning and “Roadmap” at the final stage of the workshop by the aide of advisers and the information from the site visit.

The expected outcome is “To clarify the way forward for the respective ASEAN countries to introduce a mandatory Energy Efficient Building Codes.





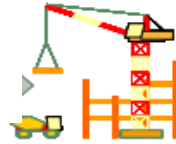
# Overview of the Energy Conservation Law and the Related Regulations on Buildings

## Obligation of the Building Owners under the Energy Conservation Law

### Design



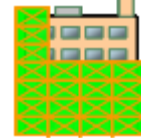
### Construction



### Operation



### Renovation



#### For Design and Maintenance

Buildings having total floor area 300 m2 or larger

Compliance to the EC standard (guideline) specified in the EC law (2000m2 and more)

Notification of energy saving measures to the competent authority (local government)

After operation start

Submission of periodical maintenance report to the competent authority (local government)

Compliance to the EC standard (guideline) specified in the EC law (2000m2 and more)

Notification of energy saving measures to the competent authority (local government)

Implemented by Ministry of Land, Infrastructure, Transportation & Tourism (MLIT) and the Local Government

#### For Operation

Specified Business Operator  
Classified by annual energy consumption  
1500kL or more (oil)

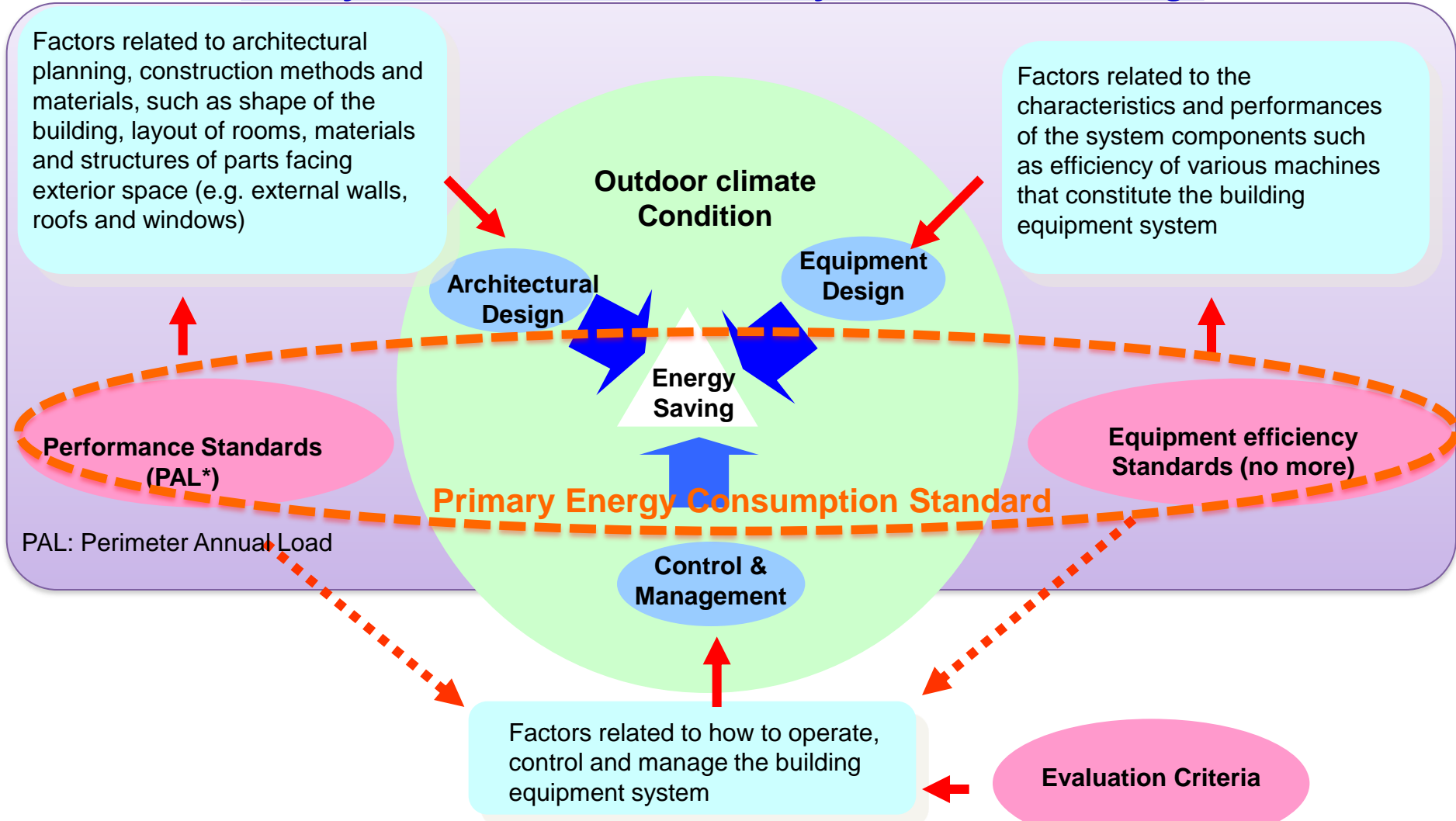
- Energy management control officer is selected from executives.
- Energy management planning promoter to support energy management control officer is selected.
- Energy managers are selected for each designated energy management factory. [Plan settlement and report]
- Submission of medium and long-term plan and periodical report by each company.

Implemented by METI



# The Related Regulations on Buildings (new Building Code)

## Three factors and the Standards of the EE&C in buildings



Fixed an architecture for a sustainable future ( IBEC)



# DAY 1(Tue. 14 Feb.) AM

**09:30-09:40** Opening Remark(ECCJ/Mr.Sogawa)(photo op)

**09:40-10:20** Key note speech-C2E2/Dr. Petrichenko  
Advice from the viewpoint of Building Efficiency Accelerator Platform

**10:20-10:40** Coffee Break

**10:40-12:10** Lecture 1-1 - NILIM/Mr. Miyata  
Features and characteristics of New building standards of Japan, history, present status and way forward

**12:10-13:00** Lecture 1-2-Tokyo Metropolitan Government/Ms. Nishida  
City-led policies for building EE-Tokyo's case in comparison with the other major cities in the world

# DAY 1(Tue. 14 Feb.) PM

## **4:30-15:35 Presentation on the present status of the countries (12minute presentation + 3 minutes Q&A)**

The status and potential issues of the Mandatory EE&C Building Codes in each country

- ① Present status and future plan
- ② Barriers
- ③ Countermeasures
- ④ Request of support by ECCJ and SEforALL

## **15:35-15:55 Coffee Break**

## **15:55-17:00 Presentation on the present status of the countries the rest of the country**

(contents to be the same as the above)

## **17:15 -19:00 Networking Buffet**

# DAY 2(Wed. 15 Feb.) AM

## 10:00-12:30 Site Visit Panasonic Shiodome Building



# DAY 2(Wed. 15 Feb.) PM

## 14:00-15:00 Lecture 2-1 - ECCJ/Mr.Sato

Benchmark: Its history and the present status of the discussion

## 15:00-15:20 Lecture 2-2 - ECCJ/Mr.Tanaka

Best Practices of building operation and tuning

## 15:20-15:40 Coffee Break

## 15:40-16:10 Orientation on Small-Group-Discussion

(ECCJ / Mr.Tanaka)

## 16:10~17:30 Small Group Discussion

# DAY 3(Thu. 16 Feb.) AM

## 09:00-10:40 Discussion

Measures to enhance the performance of EE&C of the building and cooperation in the future between ASEAN and Japan

## 10:40-11:00 Coffee Break

## 11:00-12:30 Wrap Up of the Discussion

Measures to enhance the performance of EE&C of the building and cooperation in the future between ASEAN and Japan

# DAY 3(Thu. 16 Feb.) PM

**13:30-15:00**

## **Presentation by each country on Summary and Action Plan For the Future**

Each country to use 10 minutes (7 minute presentation + 3 minutes Q&A)

**15:00-16:30**

## **Closing Session (Photo op)**

### **Closing Remark**

- ACE / Mr. C.Zamora
- METI / Ms. Shishido
- MOFA / HE Ambassador Horie

**16:45-17:00 Farewell Tea Party**





# THANK YOU!



**The Energy Conservation Center, Japan**