



Energy Conservation Workshop under ASEAN-Japan Energy Efficiency Partnership

[ECAP 20]

**Effective use of the Workshop
lecture, site visits and discussions
to help promote building' EE&C in
Lao PDR**

6th December 2019

Tokyo, Japan

Main subjects in the course

- Latest situation of BEC & GBC in Japan
- introduced ZEB Oriented Building Certification Standard
- International standardization of ZEB
- Energy efficient building envelope
- Energy efficient air conditioner
- Recent trend of ZEB designed buildings in Japan
- And so on

Site visits

- Net Zero Energy building
(SAKENSetsubiKogyo.,LTD Company)
- ZEB Ready building (Shinryo corporation)
- ZEB oriented building (Kajima corporation)

ZEB: Saving as much energy as possible, creating Energy, maintaining comfortable environment

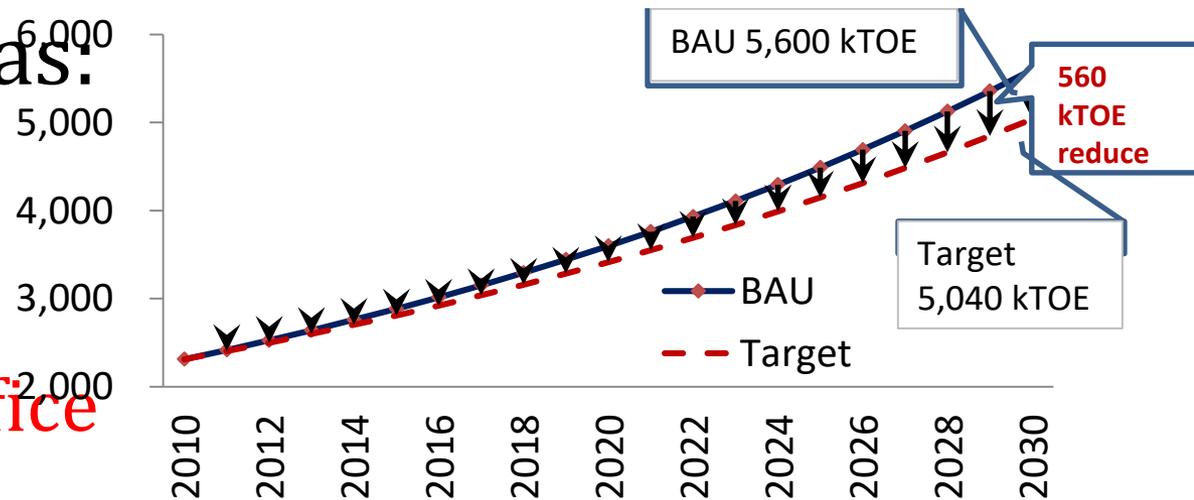
Our Policy VS workshop's subject

- The National target on EI up to 2030:
 - Reduction of national energy demand by 10%
 - GHG reduction

- Focus in 4 areas:

1. Industry
2. Residential
3. Building & office
4. Transportation

- Support activity: NEEP have not set.



Current EE in building

- EE in building have mentioned in the Policy, Prime minister decree
- S&L system for electrical appliances is starting
- Energy management in building and factory is starting
- Roadmap to promote clean energy in transportation is developing according to the current trend in the country is developing

Targets of EE in Building Sector

Building classify

- Office
- Department store
- Retail
- Hotel
- Condominium
- Infirmary/Hospital
- Educational Institute
- Others

Activities

1. BEC
2. GBC
3. EEB
4. Env.B
5. ZEB

Future plan on EE in building

1. Develop NEEP that cover whole sector of EE&C policy mentioned
2. Breakdown action plan for each activities
3. Develop relates regulation, guideline (BEC,GBC, EEB, Env.B ..)
4. Unlock the prohibition rule of small producer supply energy to the grid
5. Financial mechanism for enhancing EE&C Activities have to focus

Future plan on EE in Building (cont)

1. Develop regulation/guideline for designing and operation EE Building
2. Setting up coordination mechanism between relates sectors and stakeholders
3. Determine the designated building by scoping building's area and energy consume of building
4. Promote energy management system in the building
5. Develop pilot project for EEB, Env.B..

conclusion

- No action plan of EE&C in each main sector
- Coordination mechanism from MEM with MOPWT, MONRE have to set
- Technical Support from outside are required
- Awareness raising is required for whole relates sectors including building owner
- To ZEB implementation is taking time in Lao PDR

**Thank you for your
kind attention**