Current status of development and implementation on Energy Management in Lao PDR

Lao People’s Democratic Republic (Lao PDR)
Institute of renewable Energy Promotion (IREP), Ministry of Energy and Mines (MEM)
Miss. Souphavady PHOTHISATH
There are three phases on Energy efficiency and conservation promotion in Lao PDR:

**Phase I:** Introduction period. The energy reduction target 3% between 2015 to 2020

**Phase II:** Implementation period. The energy reduction target 5% between 2021 to 2025

**Phase III:** Experienced Implementation period. The energy reduction target 10% between 2015 to 2030.
Currently, we have not had BEC/GBC in Laos PDR yet. We just started to establish the Energy Management System on factories and buildings in Vientiane Capital.

- Draft and developing the regulations, decree, policies, EC Guideline, EM Manual:
  - The EE&C policy was approved by 2016
  - The Prime Minister Decree on EE&C is expecting approval within this year. (There are 13 parts, 78 Articles)
  - Draft the EC Guideline and EM Manual under AJEEP activities cooperation
The implementation on Energy Management System in Lao

- January, 2016 we have a Project on GEB at UNDP’s Building with Solar roof top. the capacity is about 18 KW
- Energy Conservation Building 236 kW at Wattay international Airport and 178 kW at EDL’s Building support by JICA
- After TOT in Thailand by 2016-2017 Energy Audit on MEM’s building and Coca-cola’s Factory by 2017 and will develop to other office Government in the future
- Cooperation 4 year plan with AJEEP, following on the activities of EMS arrangement scheme plan by ECCJ:
  - This year, we conducted energy data collection survey of 31 factories and 36 buildings in Vientiane capital and analysis data of sample survey.
  - Based on the result of the 1st workshop on Scheme 3 in Lao PDR on 29-31 Aug 2018, we selected 3 factories and 2 buildings to be the “Model Project”
  - Set up TWG on Energy Management System
  - Considering the certification system of Energy manager
The Certification methods on Energy Manager:

- Education Background of Electricity or Mechanical Engineering + Practical experience + Examination
- Practical experience < 3 years + Training Crouse + Examination
- Practical experience $\geq$ 3 years + Examination
## The activities of first 6 month on Energy Management by ECCJ

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<tr>
<th>Stage</th>
<th>Responsible org. &amp; dept.</th>
<th>Febr.</th>
<th>March</th>
<th>April</th>
<th>May</th>
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<td>1. Data Collection (Sample Survey)</td>
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<td>1.1 Selection of factories &amp; buildings</td>
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<td>1.1.1 Collection of existing data and information (e.g., Electricity du Laos)</td>
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<td>1.1.2 Selection of factories and buildings</td>
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<td>2. Sample survey</td>
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<td>3. Data analysis</td>
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<td>4. Consideration of tentative threshold</td>
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<td>2. Model project building</td>
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<td>2.1 Organization of EM-TWG</td>
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<td>2.1.1 Decision of member organization</td>
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<td>2.1.2 Appointment of each member</td>
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<td>2.2 Selection of participating factories &amp; buildings and a model city</td>
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<td>2.2.3 Explanation to the candidate factories &amp; buildings → Fix</td>
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<td>3.2 Appointment of each member (individual)</td>
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<td>5. Verification of the reporting procedures, etc.</td>
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The expected activities of last 6 month by ECCJ

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Certification on EMS in Lao PDR

We plan to give the certificate to the Factory or Building that the participant on EMS
Thank you for your kind attention