

How to make use of the workshop, site visits, lectures and discussions in buildings on EE&C in respective countries including BEC and GBC

The lectures, workshops, site visits and discussions have provided us a wider perspective on how ZEBs concept has been implemented here in this country based on its old *Energy Standard in Building of 2013* and now the *2020 Energy Standard in Buildings*. We learned that compliance to the **new Energy Standard in Building is MANDATORY for New Building and Residences**. (p7Masato)

We may have differences in terms of policy implementation such as availability of government subsidy, availability of experts and availability of advance technology that would cater to Active and Passive technologies which is a major requirement for one to become ZEB ready at the very least.

Overall, the maturity of ZEB technology as a new energy conservation concept here in Japan may not be the same and/or available in our country. However, steps are being done and develop by the Philippines to comply with the APAEC roadmap in the short term to promote ZEB Program in collaboration with various stakeholders in the building sector.

Philippine Action Plan for 2020 to increase entries include the following:

1. Establish collaboration with the Green Building certifying body (i.e., PGBC, PGBI, LEED, PSVARE,...)
2. Conduct seminars/ briefings/ meetings with Building Administrators of certified GB and non-GB certified in connection with the ASEAN EE Award in Buildings – ZEB Category and GB Category
3. Establish Technical Working Group (members coming from various Building sector industry)

Issues that we would like to raise:

- a) Due to the absence of Mandatory Policy on building specifically on Building Energy Standard or BEC, it would take us time to fully implement ZEB the way we wanted it to be. Again Japan ESB is mandatory for new buildings and Residences and not for the existing one.

- b) The BEI based on the **Primary Energy Consumption** and **Reference Primary Energy Consumption** , if Japan Standard of Calculation will be used, shall remain a problem and a barrier to invite prospective nominees, because this is an added burden to them – Afterall the current EE&C Law that we have does not suggest compliance. We will try to develop our Own way of Calculating BEI basing on the current data information of the existing Building.

The Philippines had already a Green Building Code Policy in-place since 2016. The LGU-Office of the Building Official (OBO) is the appropriate office that regulate the issuance of Building Permit. Take note that GBC is a referral code of the National Building Code of the Philippines.

Currently, the Philippine DOE-EUMB/EECD will develop the Building Energy Code (BEC) starting next year through the technical assistance extended by the EU-ASEP project.