

# NATIONAL ENERGY EFFICIENCY AWARD (PEEN)



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8th EMAK Workshop**

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**Energy and Mineral Resources for People's Welfare**



## Goals

- Award stakeholders in the building and industrial sector that has successfully implemented energy conservation
- Appreciate the Central and Local Governments has successfully implemented programs in the energy and water saving

## Objectives

- Promote best practice in implementing energy efficiency and conservation
- Promote energy saving by energy user in building, industry, and public sector
- Increase participation in ASEAN Energy Award

# PEEN CATEGORY

## A. Energy Efficient Buildings

- New Building
- Retrofitted Building
- Tropical Building
- Special Submission
- Green Building
  - Small and Medium
  - Large

## B. Energy Management in Industry and Building

- Building (Small and Medium)
- Building (Large)
- Industry (Small and Medium)
- Industry (Large)
- Special Submission (Industry)
- Special Submission (Building)

## C. Energy and Water Saving in Government Institution

- Central Government (Ministry / Institution)
- Local Government Institution



In coordination with ASEAN ENERGY AWARD (AEA) on Efficiency Energy

# CRITERIA FOR PEEN

## Category A and B:

Criteria and assessment for PEEN Category A and B is in accordance with the criteria and assessment for ASEAN Energy Efficiency Best Practices for Energy Management in Buildings and Industries and the ASEAN Energy Efficiency Best Practices for Energy Management in Buildings and Industries

## Category C:

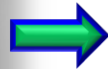
Criteria and assessment for PEEN Category C is in accordance with the Presidential Instruction No. 13 / 2011 on Saving Energy and Water

# PEEN'S PROCESS FOR CATEGORY A & B

**Guideline development for  
PEEN (in accordance with  
AEA)**

**Dissemination**

- Website
- Official Letters
- Workshops
- Mass media

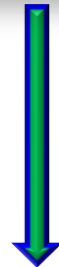


**Proposal Submission**

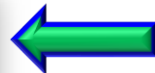
- Energy Efficient Buildings
- Industrial and Building



**Application Form /  
Proposals development  
(workshops)**



**Gala Diner and  
Award Ceremony**

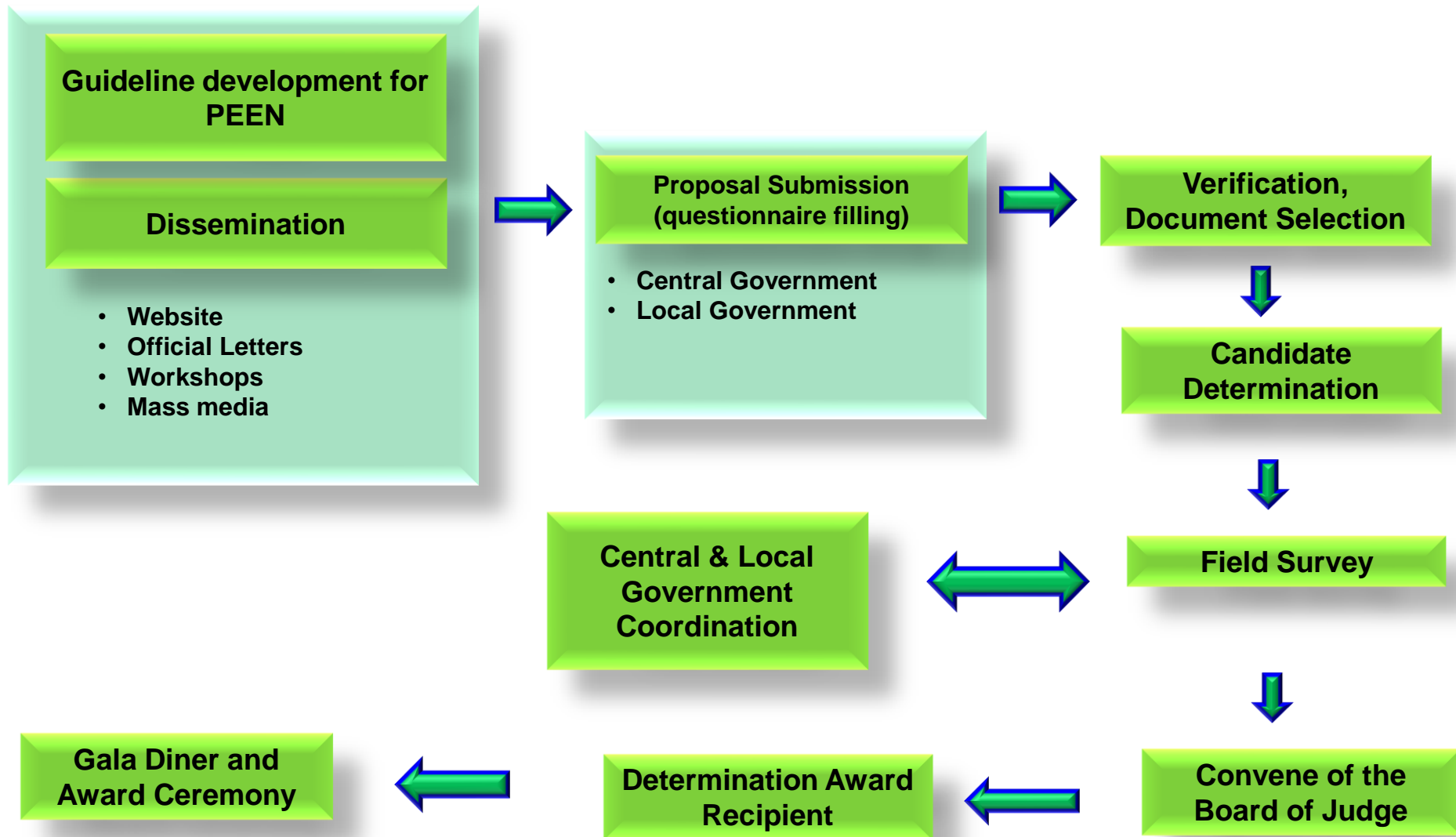


**Determination of  
Award Recipient**



**Convene of the  
Board of Judges**

# PEEN'S PROCESS FOR CATEGORY C



# National Energy Efficiency Awards (PEEN)



## A. Energy Efficient Building Category :

- New Building
- Retrofitted Building
- Tropical Building
- Special Submission
- Green Building:
  - Small and Medium
  - Large

## B. Energy Management in Industry and Building Category:

- Building (Small and Medium)
- Building (Large)
- Industry (Small and Medium)
- Industry (Large)
- Special Innovation (Industry)
- Special Innovation (Building)

## C. Energy and Water Saving in Governmental Institution Category:

- Central Government Institution (Ministry /Institution)
- Local Government Institution

# Results

- Steady increase in number of participants: 2015: 60 participant, 2016: 84
- Best practices for energy efficiency in industrial, building and public sectors:
  - Industrial: 2,86 GJ/ton product < Energy Conservation Index
  - Building: 112 kWh/m<sup>2</sup>/year < Energy Conservation Index
  - Public: 93 kWh/m<sup>2</sup>/year < Energy Conservation Index
- Increase the participants in AEA: 2 Winner and 1 runner ups for building sector, and 2 winner and 1 runner ups for energy management



# Lesson Learned

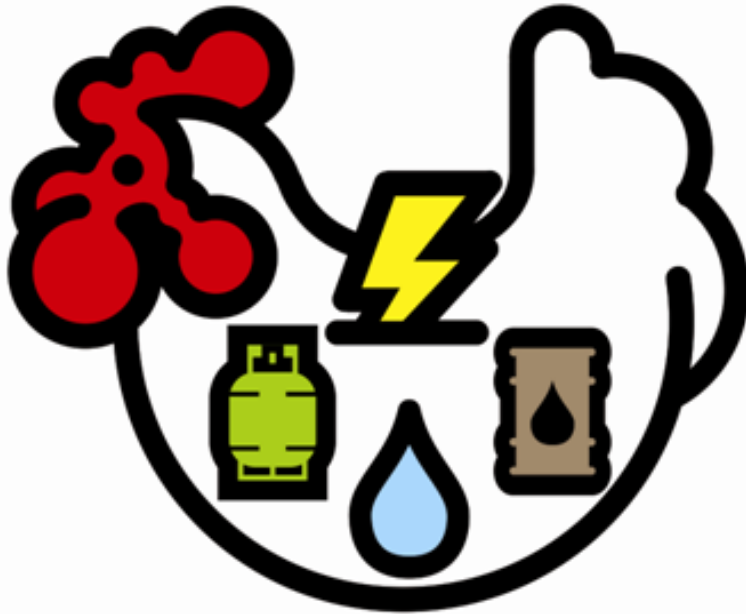
- Engagement with association is important to increase the number of participants and to disseminate PEEN and energy efficiency
- Using media socialization (news paper, website, video, brochure, leaflet, banner, twitter, facebook, etc.) to disseminate PEEN is effective to increase the number of participants

# Gala Dinner and Awarding PEEN 2013-2016





DIREKTORAT JENDERAL ENERGI BARU TERBARUKAN DAN KONSERVASI ENERGI  
KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL



[www.ebtke.esdm.go.id](http://www.ebtke.esdm.go.id)  
[aplikasi.ebtke.esdm.go.id/peen](http://aplikasi.ebtke.esdm.go.id/peen)

Thank You!

# ASEAN Energy Awards (AEA)



\* Notes:

AEA Participants from Indonesia are PEEN Winners from the previous Competition

## A. Category : Best Practices Competition for Energy Efficient Buildings

- New and Existing Building
- Retrofitted Building
- Tropical Building
- Special Submission
- Green Building:
  - Small and Medium (GFA 300-5.000 m2)
  - Large (GFA>5.000 m2)

## B. Category : Best Practices Competition for Energy Management in Buildings and Industries

- Building:
  - Small and Medium (=2.000 MWh/Year)
  - Large (>2.000 MWh/Year)
- Industry
  - Small and Medium (TEC= 30 Million MJ/Year)
  - Large (TEC> 30 Million MJ/Year)
- Special Submission (Industry)
- Special Submission (Building)

# Lesson Learn PEEN

## Socialization PEEN (Stakeholders)



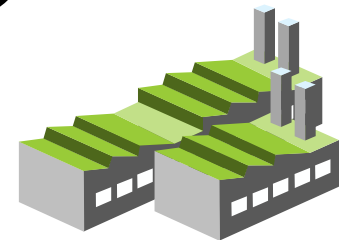
**TARGET**



**1** Building



**2** Industry





# Lesson Learn PEEN

## Use of Media Socialization PEEN

