

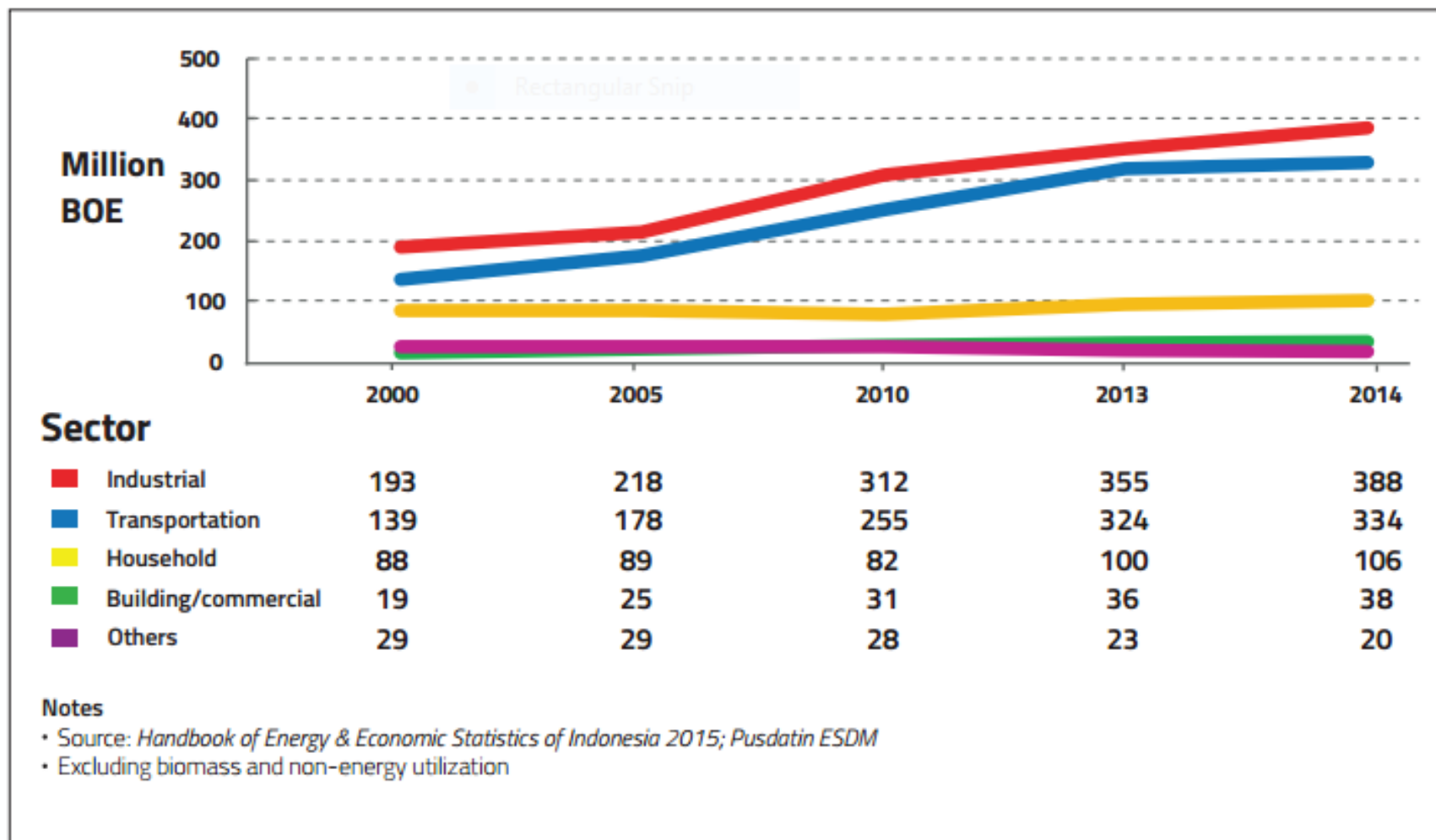


INDONESIA ENERGY EFFICIENCY POLICY & PROGRAM

DIRECTORATE OF ENERGY CONSERVATION
DIRECTORATE GENERAL OF NEW RENEWABLE ENERGY AND ENERGY CONSERVATION
MINISTRY OF ENERGY AND MINERAL RESOURCES

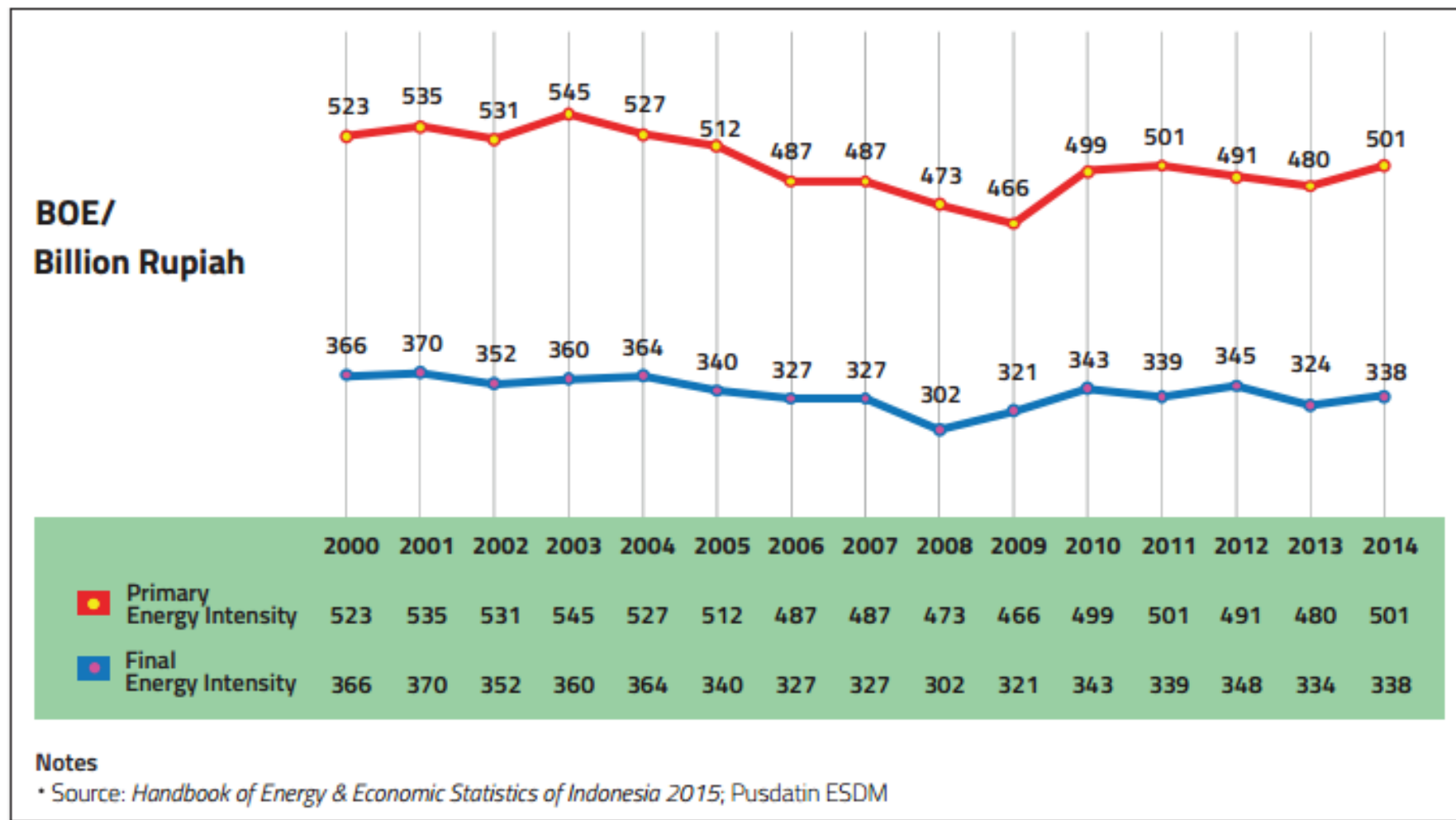
CURRENT CONDITION (1)

FINAL ENERGY CONSUMPTION



CURRENT CONDITION (2)

ENERGY INTENSITY



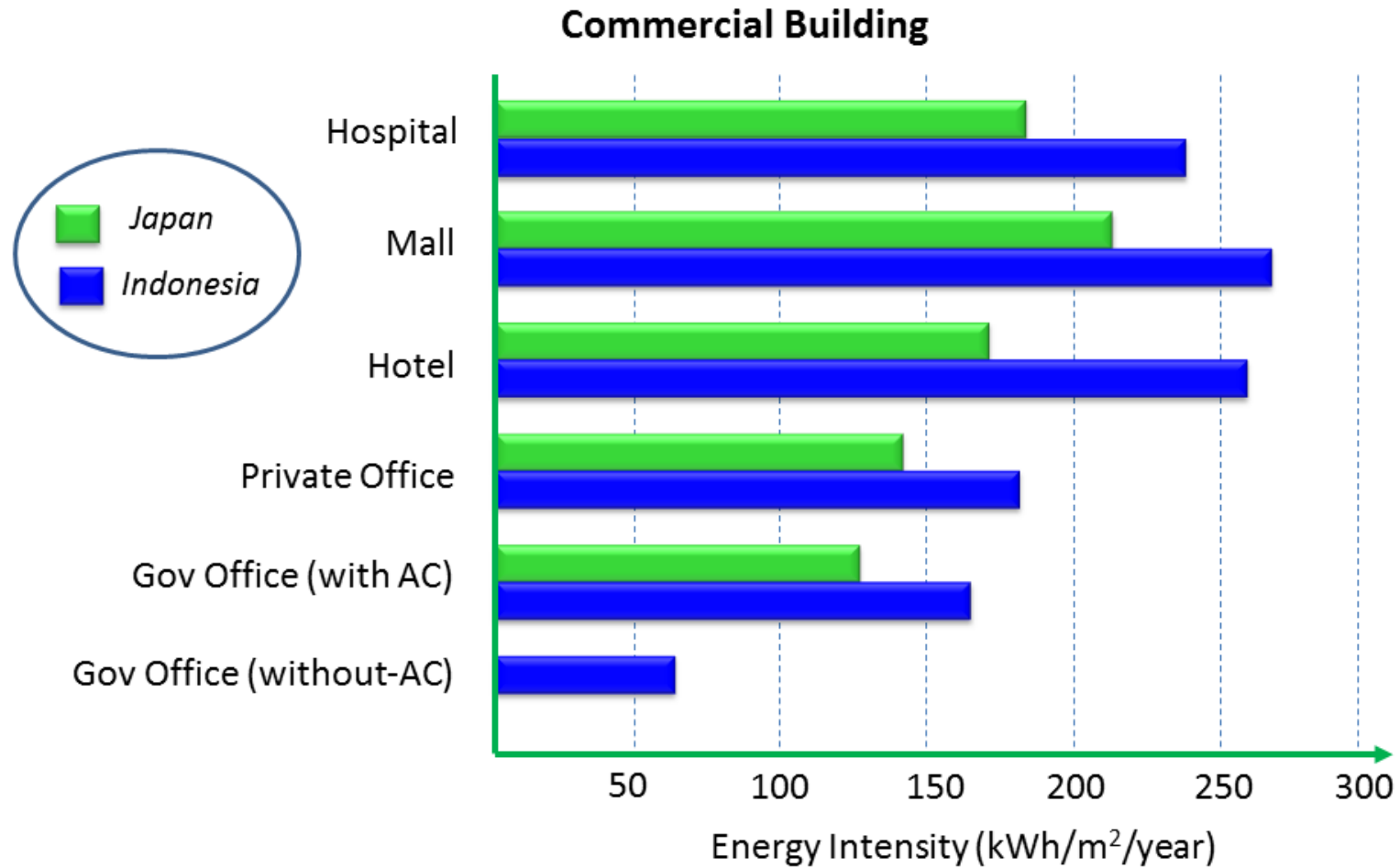
CURRENT CONDITION (3)

INDUSTRIAL SECTOR

Industrial Type	Country	Specific Energy Consumption
Iron and Steel	Indonesia	650 kWh/Ton
	India	600 kWh/Ton
	Japan	350 kWh/Ton
Cement	Indonesia	800 Kcal/kg clinker
	Jepang	773 Kcal/kg clinker
Ceramic	Indonesia	16,6 GJ/Ton
	Vietnam	12,9 GJ/Ton
Glass	Indonesia	12 MJ/ton
	Korea	10 MJ/ton
Textile	Indonesia	Spinning : 9,59 GJ/Ton Weaving : 33 GJ/Ton
	India	Spinning : 3,2 GJ/Ton Weaving : 31 GJ/Ton

CURRENT CONDITION (4)

BUILDING SECTOR



CURRENT CONDITION ⁽⁵⁾

SECTOR	ENERGY SAVING POTENTIAL	ENERGY SAVING TARGET*
Industry	10 - 30%	17%
Transportation	15 - 35%	20%
Residential	15 - 30%	15%
Building / Commercial	10 - 30%	15%

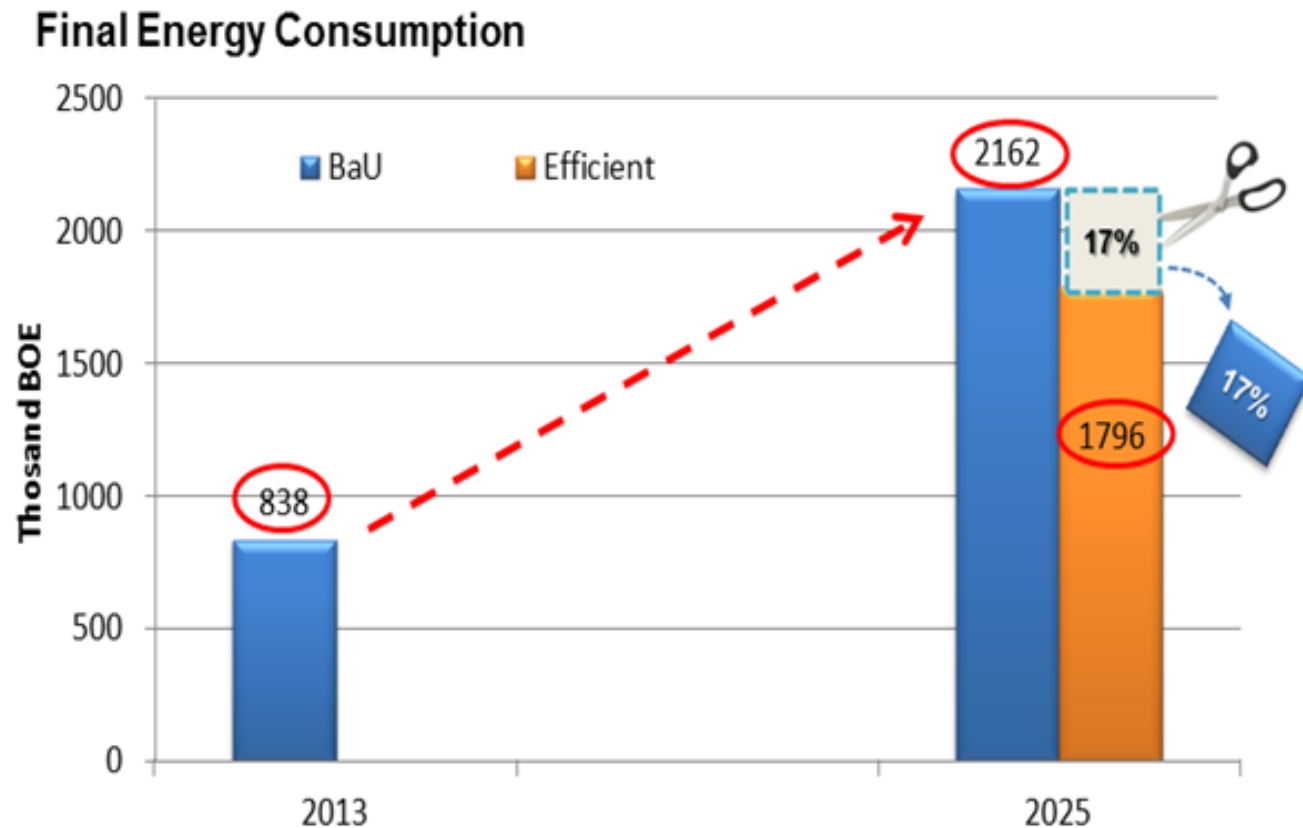
* Tahun 2025

LEGAL BASIS

- ▶ Law No. 30 Year 2007 on Energy
- ▶ Government Regulation No. 70 Year 2009 on Energy Conservation
- ▶ Government Regulation No. 79 Year 2014 on National Energy Policy

ENERGY EFFICIENCY TARGET

- To reduce final energy intensity 1% per year up to 2025
- To achieve energy saving 17% in 2025



ENERGY EFFICIENCY PROGRAM

1. Energy Management
2. Standard and Labeling
3. Public Awareness
4. Energy Efficient Technology
5. Energy Efficiency Business
6. Database Development
7. International Cooperation

IMPROVEMENT OF ENERGY EFFICIENCY PROGRAM ⁽¹⁾

1. Evaluation

Objective:

- ▶ To assess the effectiveness of the current program
- ▶ To improve and strengthen the current program
- ▶ To identify the need of data and information for developing the program and the need of resources for implementing the program

IMPROVEMENT OF ENERGY EFFICIENCY PROGRAM (2)

2. Baseline Study for Energy Efficiency in End-User Sector (industry, building, residential and transportation)

Objective:

- ▶ To estimate the effects of energy efficiency program, both existing and upcoming
- ▶ To determine the contribution of each program in end-user sector for fulfillment of energy efficiency target

Achievement of Energy Efficiency Program (June 2016)



Directorate of Energy Conservation
Directorate General of New and Renewable Energy and Energy Conservation
Ministry of Energy and Mineral Resources



DATA & INFORMATION OF ENERGY CONSERVATION PROGRAM



POTONG
10%

THANK

YOU