



# DEVELOPMENT OF INDONESIA'S ENERGY EFFICIENCY AND CONSERVATION POLICIES

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Presented at:

The Roundtable of Energy Efficiency Policies for the Southeast Asia Region

Jakarta, 11-12 December 2013



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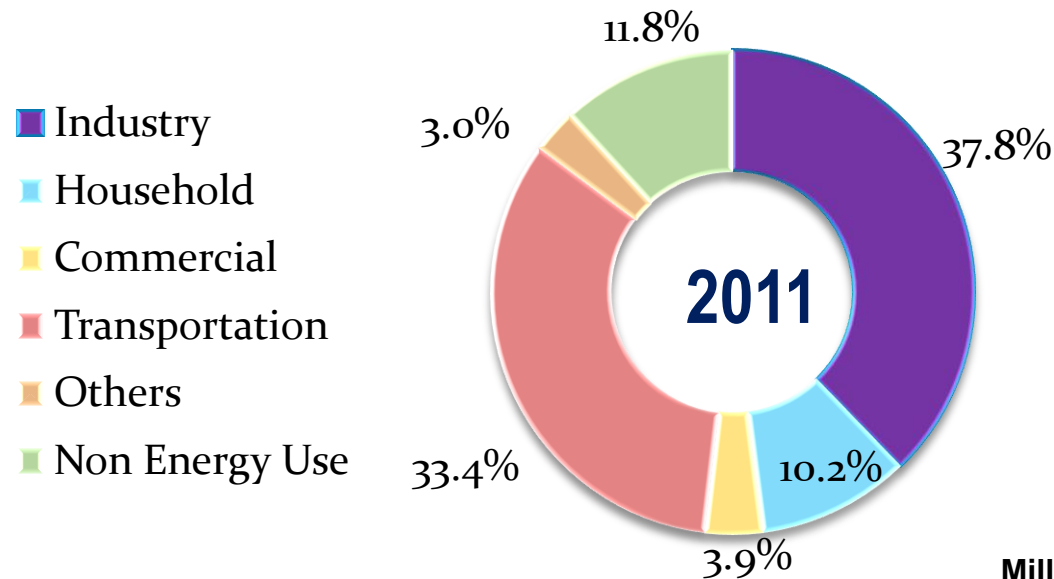
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# FINAL ENERGY CONSUMPTION

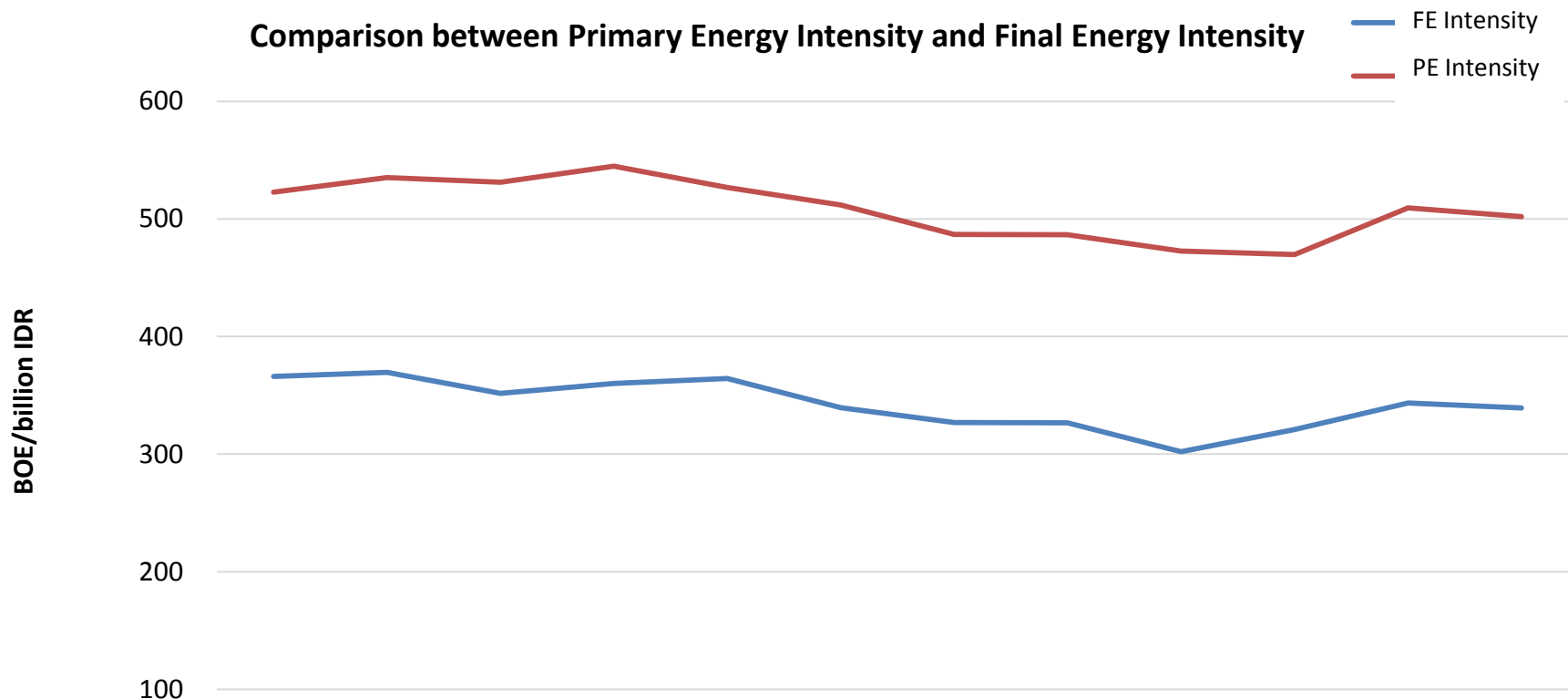


Sector	2000	2005	2010	2011
Industry	193	218	312	315
Household	88	89	82	85
Commercial	19	25	31	32
Transportation	139	178	255	278
Others	29	29	28	25
Non Energy Use	40	54	84	98
<b>Total</b>	<b>509</b>	<b>595</b>	<b>794</b>	<b>836</b>

Million Barrel

# PRIMARY AND FINAL ENERGY INTENSITY

Comparison between Primary Energy Intensity and Final Energy Intensity



Year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
FE Intensity	366	370	352	360	364	340	327	327	302	321	343	339
PE Intensity	523	535	531	545	527	512	487	487	473	470	509	502

Note: exclude biomass

# ENERGY CONSERVATION POTENTIAL

Sector	Potential of EC	Target of Energy Conservation Sectoral (2025)
Industry	10 – 30%	17%
Commercial	10 – 30%	15%
Transportation	15 – 35%	20%
Houshold	15 – 30%	15%
Others (ACM)	25%	-

*source: Draft National Energy Conservation Master Plan (RIKEN) 2011*

- Low energy efficiency
- High primary energy intensity: 502 BOE/Billion IDR

# NATIONAL COMMITMENT TO REDUCE GHG EMISSION

Global Warming and Climate Change has been a Hot Issue

- President Commitment on G-20 Pittsburgh and COP15 To reduce the GHG Emission in 2020

Own efforts

26%  
(767 mln Ton)

Own efforts and  
international support

41%  
(26%+15%)

Presidential Reg No. 61/2011  
RAN-GRK

Presidential Reg No. 71/2011  
GHG Inventory and MRV

Forestry, Peat Land, Agriculture (680 million ton)

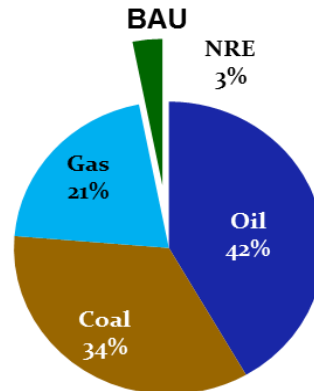
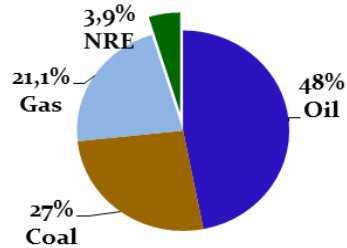
Energy Sector (30 million ton)

Industry and Transportation (9 million ton)

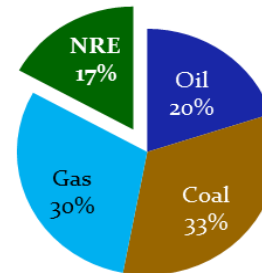
Waste (48 million ton)

Through the development of new  
renewable energy and  
implementing energy  
conservation by all sectors

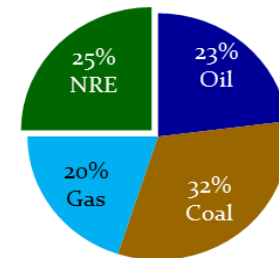
# NATIONAL ENERGY POLICY DIRECTION



President Regulation No. 5/2006



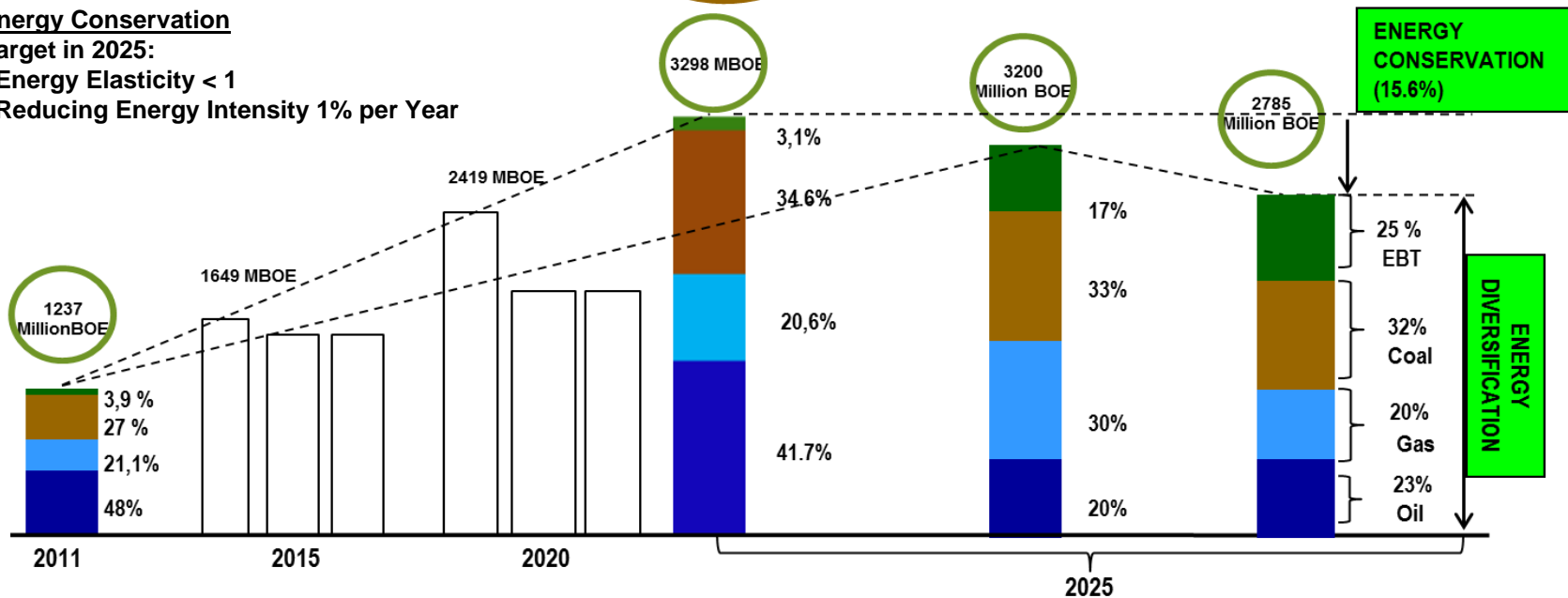
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## Energy Conservation

Target in 2025:

- Energy Elasticity < 1
- Reducing Energy Intensity 1% per Year



# THE HISTORICAL OF ENERGY CONSERVATION POLICY

1982



President Instruction No. 9/1982 concerning on Energy Conservation

1995



Master Plan of National Energy Conservation

2002



Law No. 28 / 2002 concerning on Building

2006



Presidential Regulation No. 5/2006 concerning on National Energy Policy

2007



Law No. 30/2007 concerning on Energy

2008



Presidential Instruction No. 2/2008 concerning on Energy and Water Saving

2009



Govt. Regulation No.70/2009 concerning on Energy Conservation

2011



Presidential Instruction No. 13/2011 concerning on Energy and Water Saving

2012 & 2013



Ministry of EMR Regulation concerning on Energy and Water Saving

- Energy and Mineral Resources Minister Regulation No. 13/2012 concerning on electricity saving
- Energy and Mineral Resources Minister Regulation No. 14/2012 concerning on energy management
- Energy and Mineral Resources Minister Regulation No. 01/2013 concerning on fuel oil saving

POLICY ON  
ENERGY CONSERVATION



# ENERGY EFFICIENCY AND CONSERVATION PROGRAMS

1. Creating Public Awareness
2. Establishing Partnership Program on Energy Conservation. .
3. Creating Energy Manager & Auditor
4. Formulating Energy Efficiency Standard
5. Implementing Labeling Program on Energy Efficiency
6. Developing Education and Training on Energy Efficiency and Conservation
7. Developing Clearing House on Energy Conservation

# **BARRIERS IN IMPLEMENTING ENERGY EFFICIENCY AND CONSERVATION**

1. Subsidy for energy is still high
2. Lack of energy saving awareness for energy users
3. Lack of smart financing mechanism for energy efficiency implementation projects
4. Less of energy managers and auditors
5. Most of energy-efficient technology are expensive

SAVE  
ENERGY!

Thank You!



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