

Update on Fossil Fuel Subsidies in Indonesia

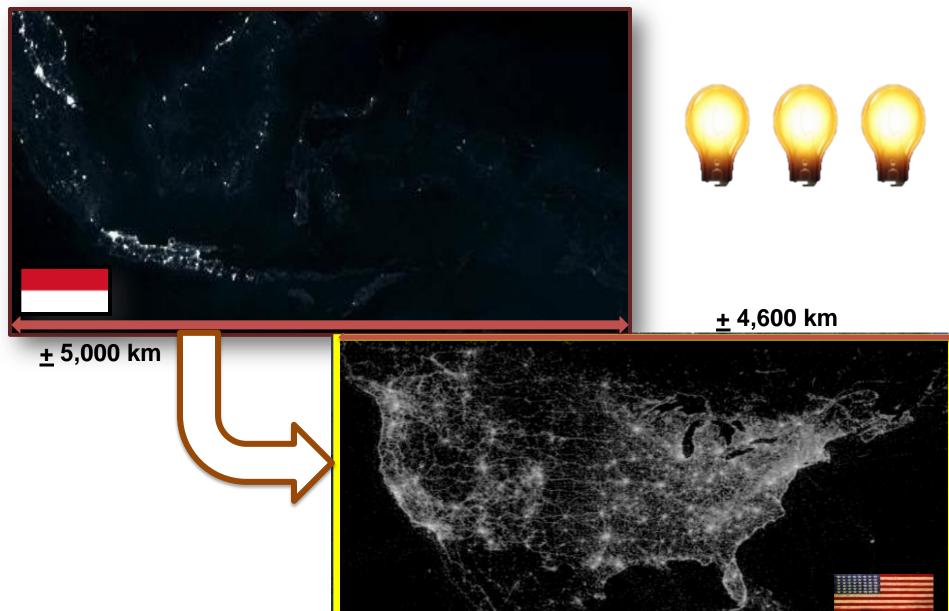


IGN Wiratmaja Director General of Oil and Gas Ministry of Energy and Mineral Resources

IEA International Conference on Fossil Fuel Subsidy Reform

Paris, 13 October 2016

DREAM





INDONESIA

GDP 2015 : USD 872.6 billion (16th in the world) Economic Growth 2015: 4.79% Population: 250 million

Indonesia is <u>both</u> a producer & consumer.

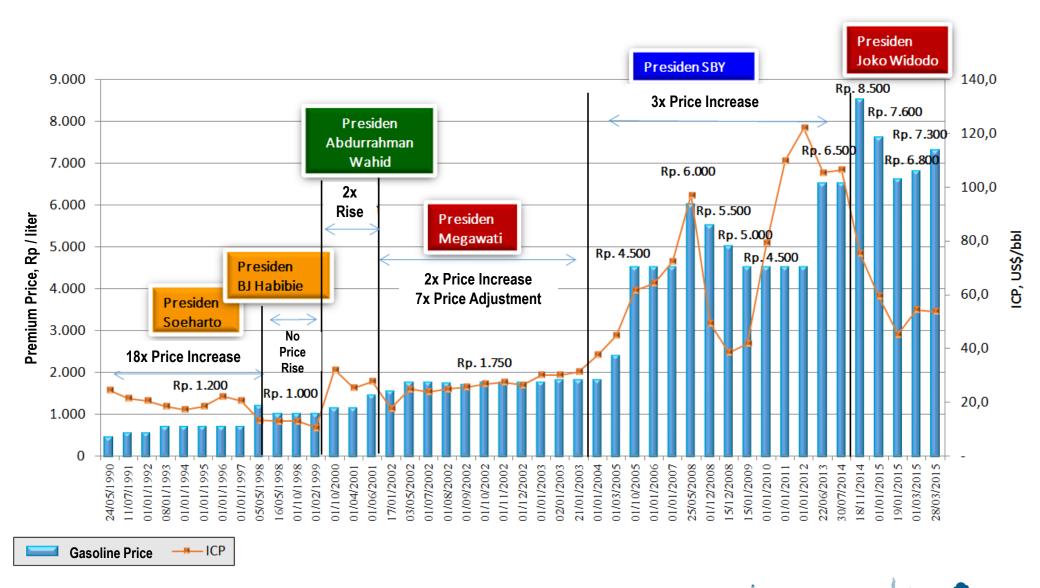
2015

Image: Sector		IPG			
Production	830,000 BOPD	Production	2.27 million MTonnes	Production	8,113 MMSCFD
Import	770,000 BOPD	Import	4.3 million MTonnes	Export	3,048 MMSCFD
Consumption	1.6 million BOPD	Consumption	6.57 million MTonnes	Consumption	3,703 MMSCFD
Annual Consumption Growth	3%	Annual Consumption Growth	13%	Annual Consumption Growth	2%

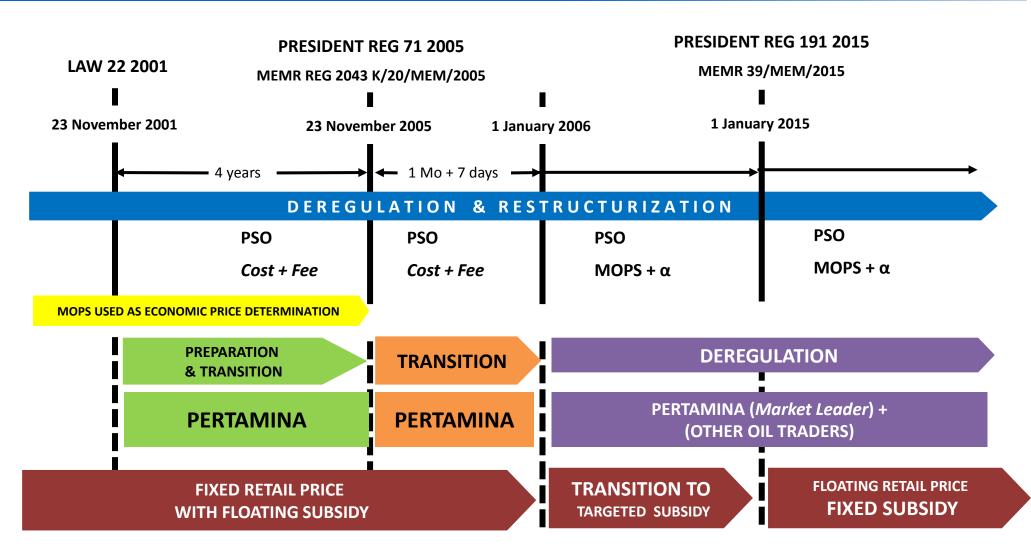
Gas export & consumption as of October 2015



History of Gasoline Price in Indonesia



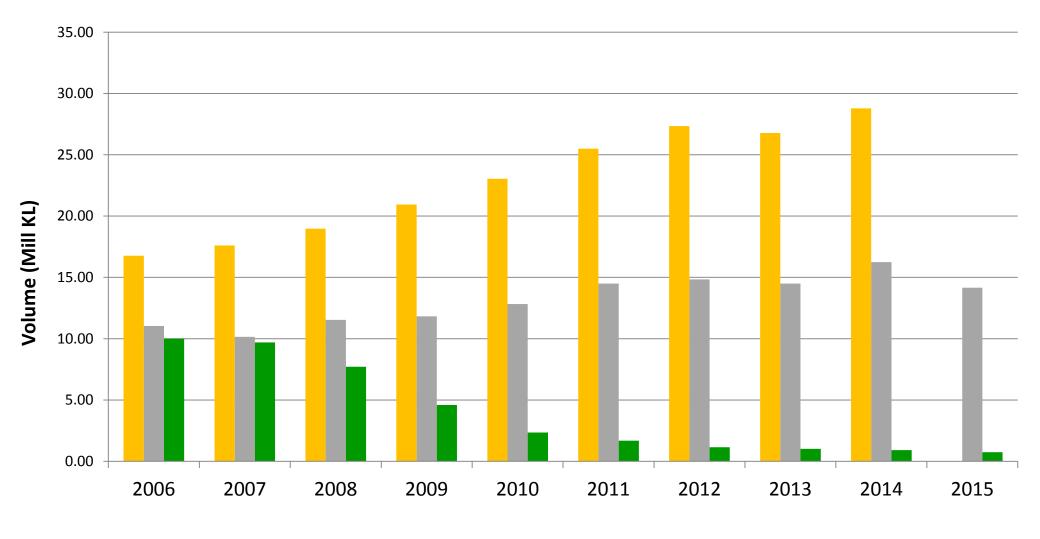
PSO Fuels Regulation Roadmap



- 1. Since 2005, MOPS was used as a basis pricing formula, due to multi retail players assigned to manage PSO
- 2. Starting in 2015, targeted subsidy with fixed subsidy level

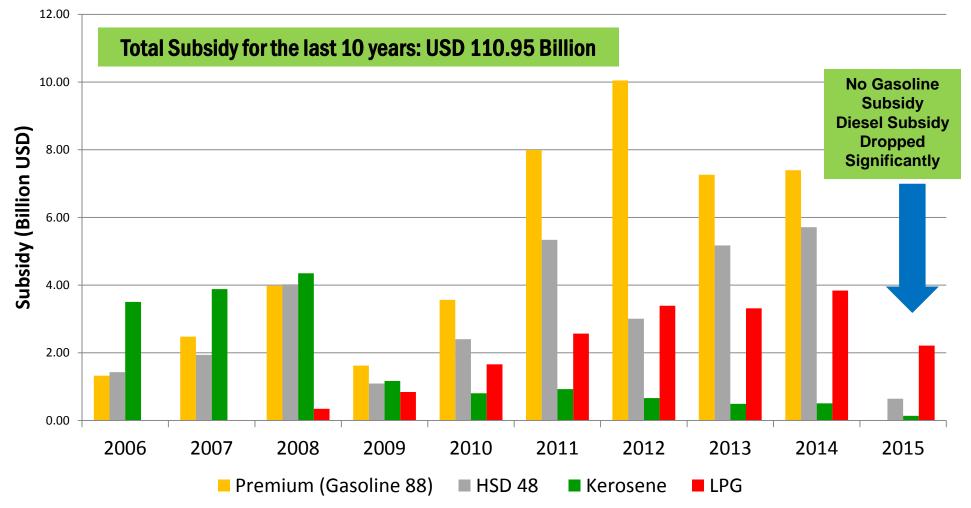


Volume of Subsidized Fuel



Premium (Gasoline 88) HSD 48 Kerosene

Fuel Subsidy Spending



- Consumption of LPG 3 kg is continously growing :
 - \checkmark Open distribution system \rightarrow no limited users, everyone can buy a subsidized commodity
 - ✓ Illegal practice : taking out LPG from 3 kg canisters to be refilled to 12 or 50 kg canisters → price disparity
 - ✓ Migration of users : people who previously used LPG 12 kg prefer to buy LPG 3 kg because of the cheaper price

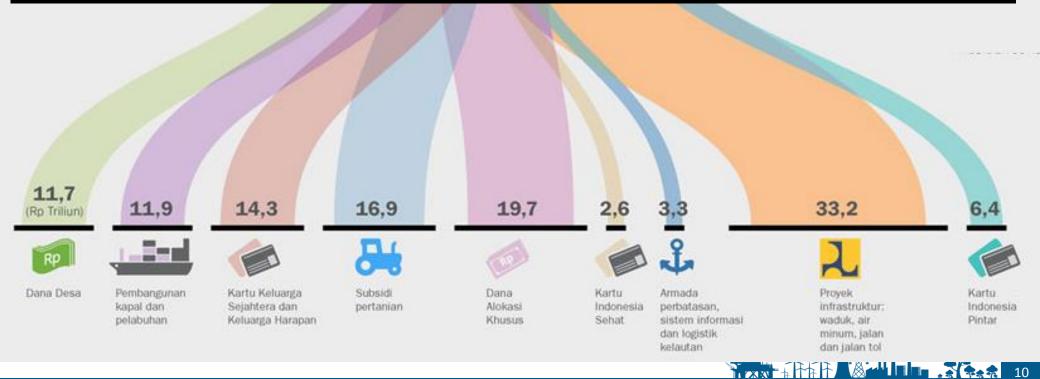
- Government has larger fiscal space for State Budget
- The funds are used for infrastructure development and social security program
- Not only for developing energy access, also can be used for multi sectoral infrastructure



Encourage the construction of public infrastructure, such as Bridge, Irigation, Road, etc



Shifting fuel subsidy to infrastructure & social security program



Shifting fuel subsidy to infrastructure & social security program

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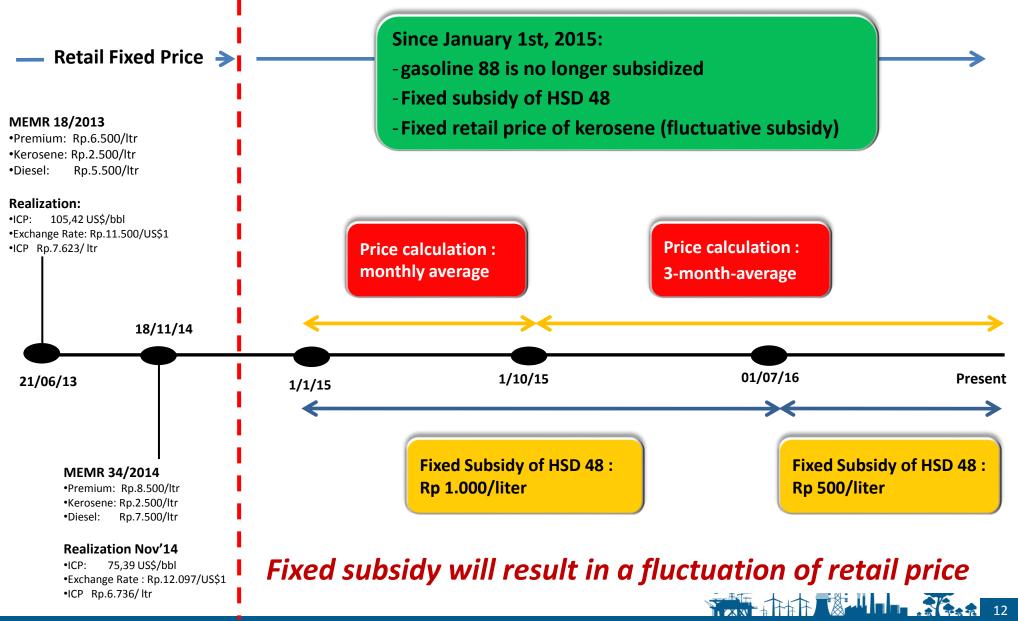
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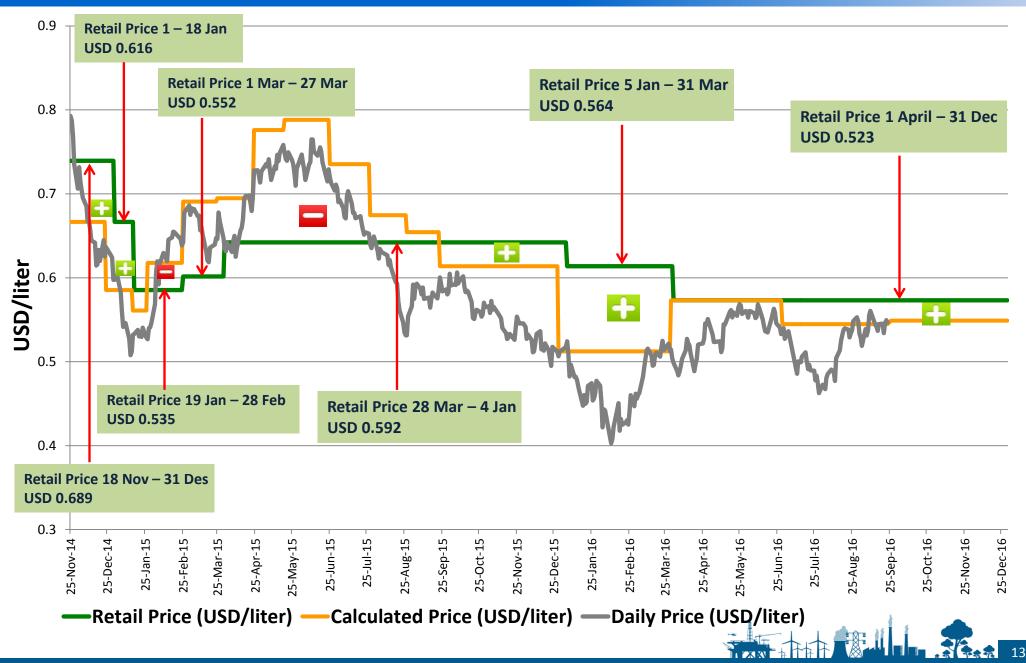


Subsidy Scheme Reform

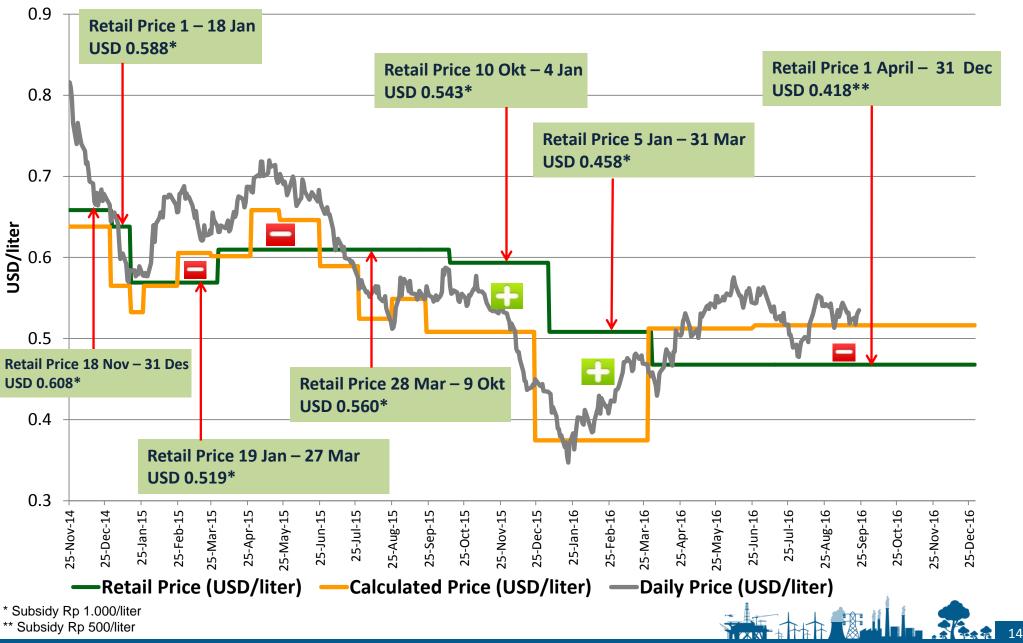
(Transformation of Floating to Fixed Subsidy)



Strategy How to Handle Gasoline RON 88 Price Fluctuation



Strategy How to Handle HSD 48 Price Fluctuation



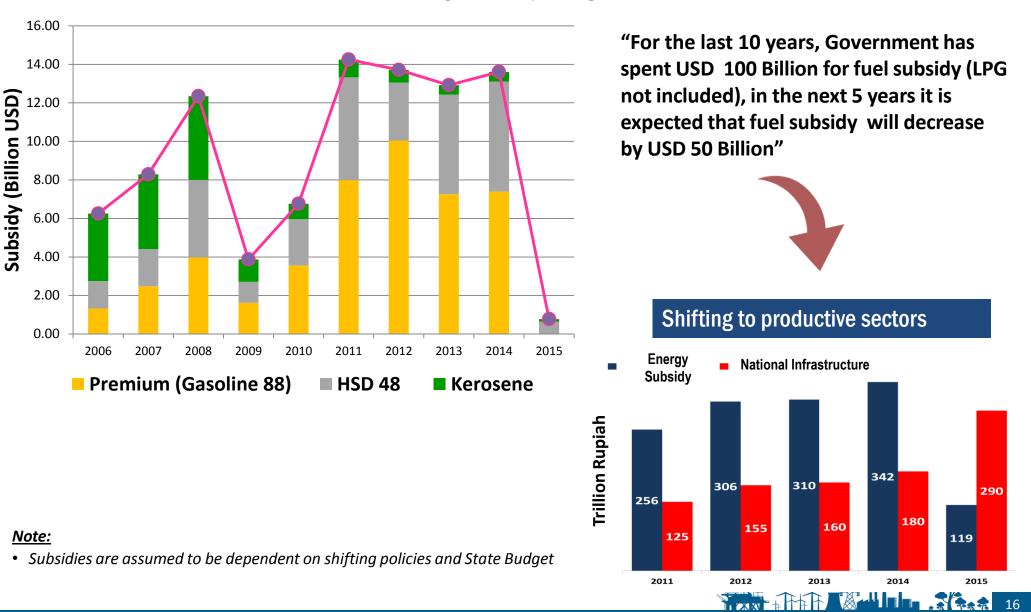
Ministry of Energy & Mineral Resources Republic of Indonesia

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Fuel Price vs Macroeconomy Indicators

Subsidy Scheme Reform

Shifting Subsidy Budget



Fuel Price vs. Inflation

- Inflation of 7,8%-8,5% (yoy) is a result of increasing fuel price in 2014 .
- Transportation cost also increased by 14% (considered only fuel price) and affected the inflation rate by 2,58%.
- But if transportation cost also takes other costs into account, the transportation cost would increased by **27,26% and** affect the inflation rate by **3,26%** (yoy).

Unregulated Transportation Tariff

Impact of Fuel Price Increase (Premium and Diesel) of Rp 2,000/liter Respectively

Impact of Subsidized Fuel Price Increase	Value (%)	Inflation (%)	Impact (%)
Direct Impact			1.27
Gasoline	3.95	30.77	1.21
Diesel	0.16	36.36	0.06
Indirect Impact to Transportation Cost			1.42
Ferry	0.01	28.58	0
Intercity Transport	0.66	27.26	0.18
Public Transport	2.57	47.08	1.21
Sea Transport	0.05	5.92	0
Train	0.12	11.16	0.01
Taxi	0.09	10.18	0.01
Indirect Impact to Other Commodity			0.57
Core	63.1	0.57	0.36
Volatile Food	17.46	1.21	0.21
Total Impact to Inflation			3.26

- Impact to Transportation Cost is conservative, considering the rise of staple costs in
 2014 (not only fuel oil, but also other components such as capital costs, cost of crew,
 depreciation, etc.)
- Indirect costs are based on estimation using latest data (elasticity of 10% subsidized fuel increase will raise the pressure of core inflation of 0.17% and Volatile food of 0.36%

Regulated Transportation Tariff

Impact of Fuel Price Increase (Premium and Diesel) of Rp 2,000/liter Respectively

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Direct Impact			1.27
Gasoline	3.95	30.77	1.21
Diesel	0.16	36.36	0.06
Indirect Impact to Transportation Cost			0.73
Ferry	0.01	14.68	0
Intercity Transport	0.66	14	0.09
Public Transport	2.57	24.18	0.62
Sea Transport	0.05	3.04	0
Train	0.12	5.73	0.01
Taxi	0.09	10.18	0.01
Indirect Impact to Other Commodity			0.57
Core	63.1	0.57	0.36
Volatile Food	17.46	1.21	0.21
Total Impact to Inflation			2.58

- Impact to Transportation Cost is optimistic, and only considers the rise of fuel oil of Rp 3,000/liter (reflecting upon the success of regulating transportation tariffs in 2013)
- Indirect costs are based on estimation using latest data (elasticity of 10% subsidized fuel increase will raise the pressure of core inflation of 0.17% and Volatile food of 0.36%



Success Story Of Kerosene To LPG



In 2006, fuel subsidy was amounted to IDR 64.212 Trillion. Out of that amount, IDR 31.58 Trillion was dedicated for Kerosene that put a huge burden to the State budget



National Energy Policy \rightarrow to diversify sources of energy supply and reduce dependency on fossil fuels in particular Kerosene



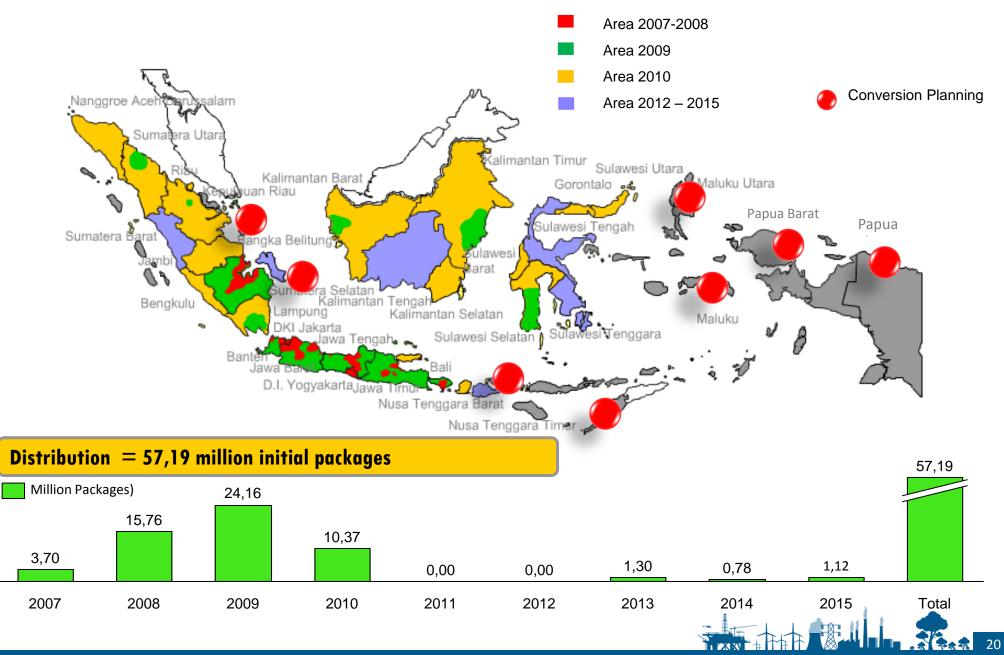
LPG has a higher energy density and lower emission compared to Kerosene



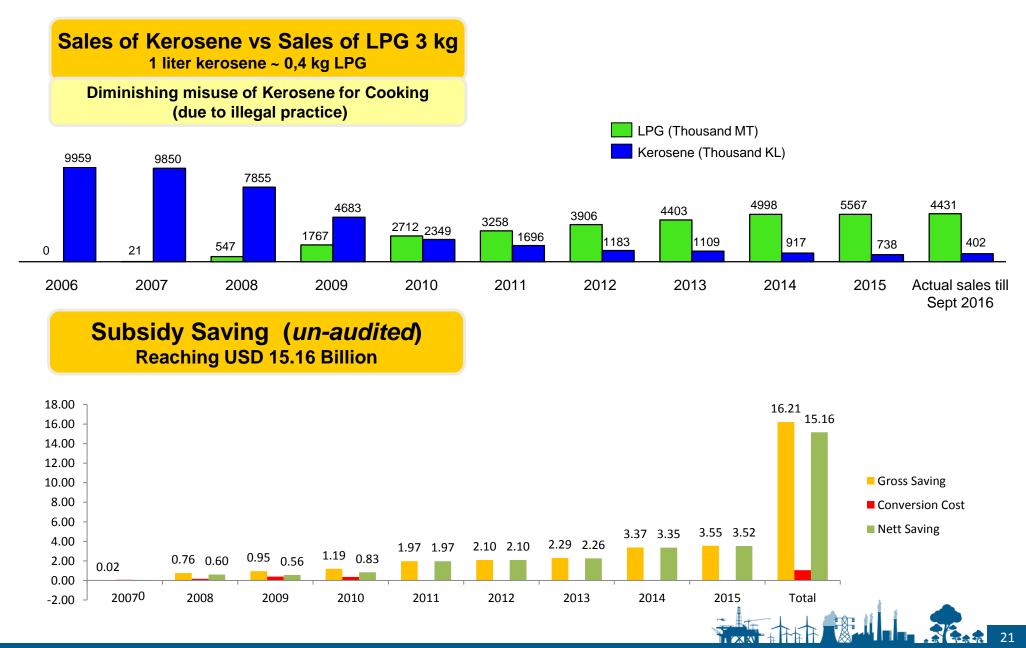
Reducing Kerosene will deliver advantages:

- Added value \rightarrow Kerosene can be upgrading to avtur
- Reducing misuse of subsidized kerosene
- Remanaging the distribution system of subsidized fuel to minimize illegal practice and shortage

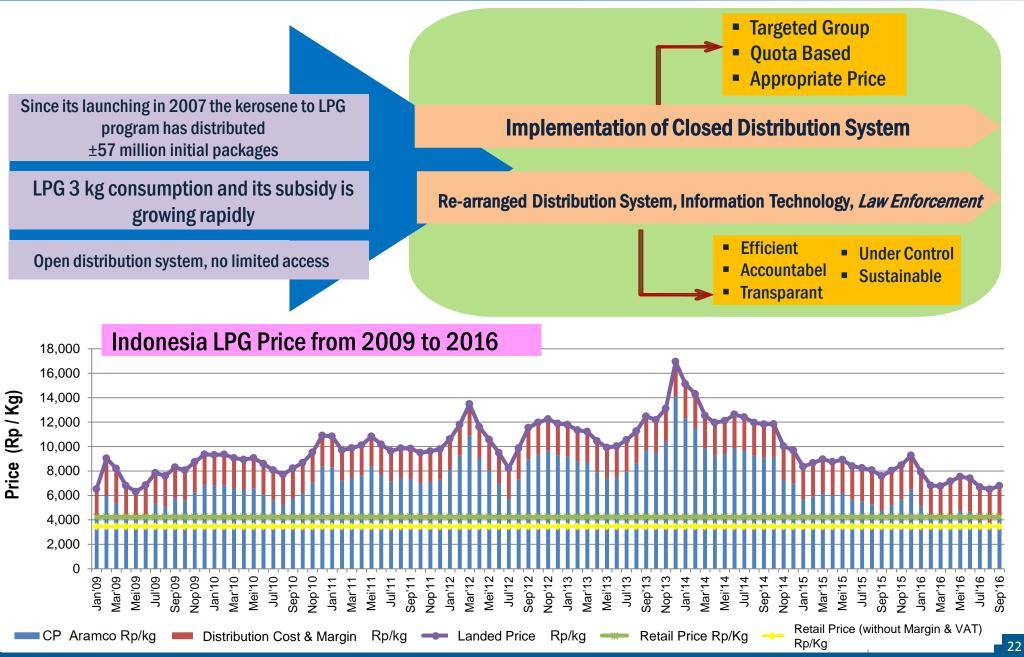
Kerosene to LPG Conversion Area



Savings Due to Conversion Program



Background of Closed LPG 3 Kg Distribution System



Advantages of Closed Distribution System of LPG 3 Kg

Government



Subsidy is given only to the targeted group



People

Security of supply



People

Wealth improvement









People

People buy LPG 3 kg according to the price stipulated by the local government



- Continuous Reform to targeted subsidy as single social security policy
- Establishment of "Energy Resiliency Fund" to develop NRE, energy infrastructure development, R&D and HRD
 - Create Dynamic Adjustment Retail Oil Pricing Scheme
 - Fundraising strategy
 - Fund Management



Closing Remarks

Indonesia is both a producer and consumer





Total Fuel Subsidy Spending in last 10 years:

USD 110.95 Billion



Harmonizing fuel pricing policy



To maintain <u>economic stability</u>



THANKYOU migas.esdm.go.id