

SEASONAL DEMAND

Pertamina aims to deliver Social Impact by ensuring the availability and accessibility of energy for people of Indonesia including during the Islamic Holy Month of Ramadhan and Eid-Fitr Holiday which drives a significant increase in energy demand.

Seasonal Demand in Indonesia*

- Many factors influence the demand for energy including seasonality. In many countries, particularly in the northern hemisphere, a cycle of the season from fall-winter-spring-summer would alter energy demand hence impacting energy prices as well.
- Indonesia - being a tropical country - does not experience the same. But being a Muslim-dominated country, several annual events would drive seasonal demand, one of them being the festivity during the Islamic month of Ramadhan & Eid al-Fitr Holiday.

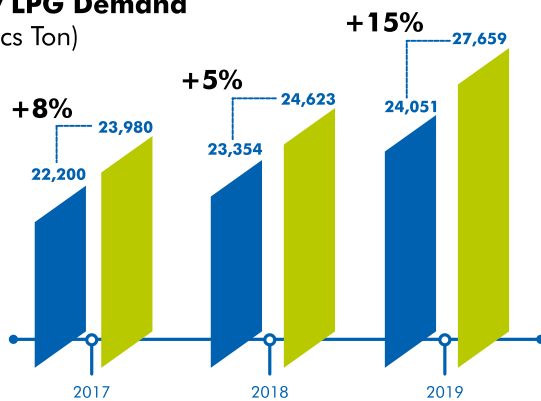
*Assumptions

- Datasets used in this analysis are mainly from the period of 2017-2019. In 2020-2021, energy demand had been largely pushed by the Covid-19 pandemic and the government of Indonesia prohibited general mobility to prevent the spread of the virus.
- Seasonal demands as portrayed in this analysis are for 2 weeks before and after the Eid al-Fitr holiday.
- Data used in the analysis are sourced from Ministry of Energy & Mineral Resources, Ministry of Transportation, Pertamina and News Search

Increase in LPG Consumption

- During Ramadhan, culturally families or relatives prefer to dine together and consume more foods, thus increasing the usage of LPG.
- Daily LPG consumption would rise in comparison to normal, by an average of 9.4% during 2017-2019.

Daily LPG Demand
(Metrics Ton)



Source: Ministry of Energy & Mineral Resources

Normal Situation ■
Ramadhan & Eid al-Fitr ■

Dynamics in Fuel Consumption

- Over centuries, every Eid al-Fitr moment would be accompanied by a tradition called 'Mudik' (homecoming), which is an Indonesian term for the activity where migrants or migrant workers return from urban centers – particularly Greater Jakarta - to their hometown or village during or before major holidays.
- Millions of Jakartans exit the city by various means of transportation, overwhelming train stations and airports, clogging highways and temporarily driving transportation fuel demand.
- Daily gasoline consumption increased by 13.7% on average during the 2017-2019 period while Jet Fuel increased on average by 6.8%.
- Mobility will focus on passenger transport and less on commercial / goods / industry transportation because of the closure of industrial activities, driving the decrease in diesel consumption by 11% on average.

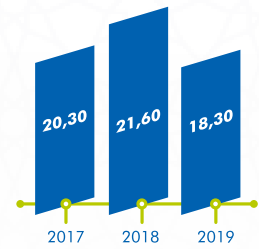
Magnitude of 'Mudik' in Indonesia

'Mudik' in Indonesia, particularly by land and sea transport is concentrated in Sumatera and Jawa island

- Sumatera and Jawa Island
- Greater Jakarta



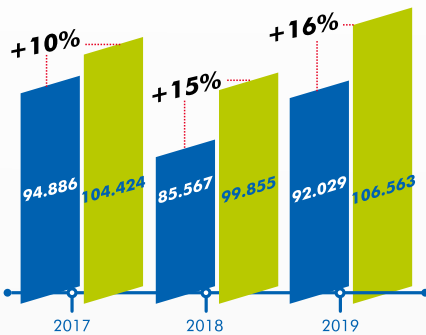
Number of Travelers performing 'Mudik'



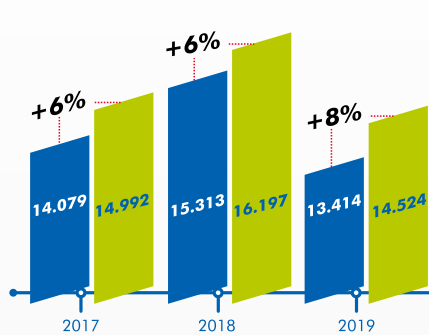
Source: News Search, Ministry of Transportation

Effect of 'Mudik' to Fuel Demand

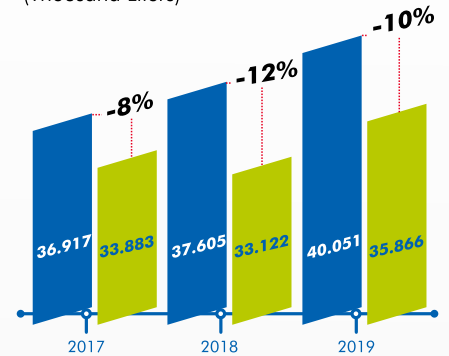
Daily Demand of Gasoline
(Thousand Liters)



Daily Demand of Jetfuel
(Thousand Liters)



Daily Demand of Diesel
(Thousand Liters)



Includes RON 88, RON 90 and RON 92 products

Includes diesel CN48, CN51 and CN53

Source: Ministry of Energy & Mineral Resources ■ Normal Situation ■ Ramadhan & Eid al-Fitr

Pertamina's Response

As the Indonesian NOC, Pertamina aims to deliver Social Impact by ensuring the availability and accessibility of energy during the period by establishing a special taskforce to focusing service especially in predicted high season. Several key initiatives performed by the taskforce are:



Going Forward

- After two years of the pandemic, in the 1st Quarter of 2022 mobility has gradually returned to pre-covid situation.
- The month of Ramadhan has started on April 3rd, 2022 and the Government of Indonesia has reallocated the "Mudik" event during this year Eid al-Fitr
- Pertamina is expecting the seasonal demand to return this year such as increasing demand of LPG by 3-4%, Jet Fuel by 14-15%, and Gasoline 90 by 1-2%
- Pertamina has prepared many measures to ensure that delivery of energy fulfills the customer needs.
- As of April 1st, 2022 price of gasoline RON92 (Pertamax) has been adjusted to IDR 12,500/liter