

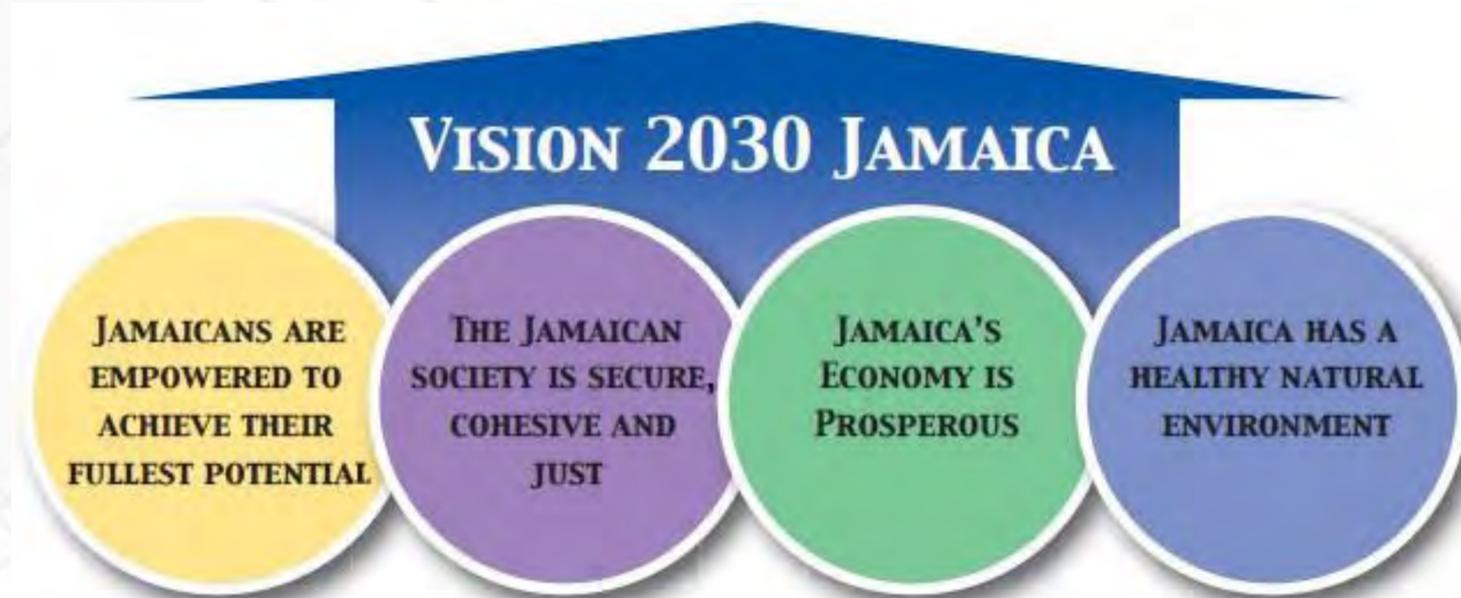


Jamaica Investment Forum 2018  
June 12<sup>th</sup>-14<sup>th</sup>, 2018  
Montego Bay

**Presentation by Emanuel DaRosa**  
**JPS President & CEO**



# Energy: Integral to National Development Goals



**Jamaica's  
National  
Energy Policy**



# JPS' Strategy to Transform the Energy Sector is Aligned to Jamaica's National Goals

## National Goals

- A modern, efficient, diversified and environmentally sustainable energy sector
- Affordable and accessible energy
  - Energy security

## JPS Strategy

**Efficiency & Reliability**

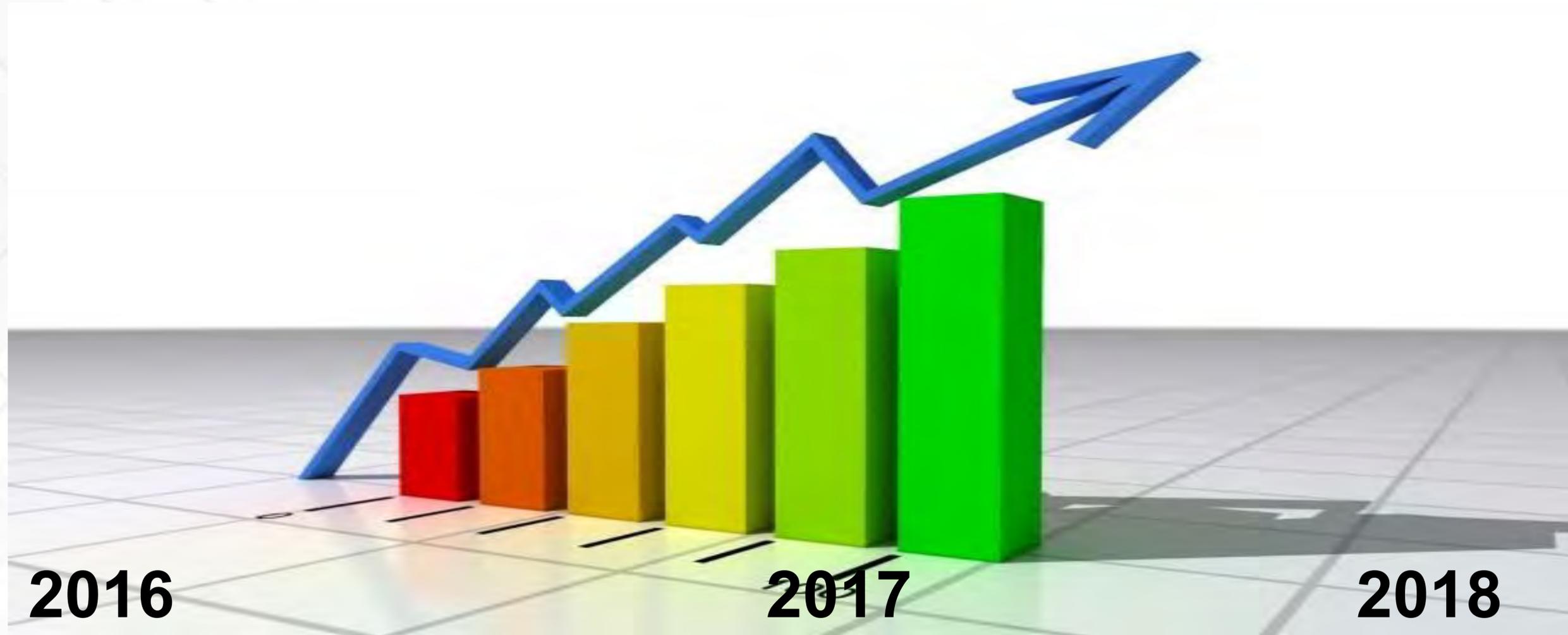
**Fuel Diversification**

**Storage**

**Renewables**



# Historic Levels of Investment by JPS in Jamaica's Energy Sector



**US\$62.5M**

**US\$104M**

**US\$116M**



# Delivering on the Strategy

## Efficiency and Reliability

**OBJECTIVE: to facilitate lowest cost and most reliable service to Jamaica.**

- Efficiency is essential to economic growth and development.
- Reliability is key to investment and industry's success
- Automation improves both efficiency and reliability



# Delivering on the Strategy

## Fuel Diversification

**OBJECTIVES:** to stabilize electricity prices, reduce dependence on one source of fuel, and produce cleaner energy.

- Introduction of LNG as part of Generation Fuel Mix
- Conversion of Bogue 120MW Combined Cycle Plant to NG as primary fuel
- Construction of new 190 MW NG-fired power plant
- In 2019, customers will begin to see the impact of fuel diversification on the bills, as we replace our most inefficient plants and switch from HFO to NG

# Delivering on the Strategy

## Storage

**OBJECTIVE: deliver reliable service and accommodate renewables**

- Ground broken in March 2018 for 24.5 MW hybrid energy storage unit, the largest hybrid facility being build in the world this year.
- The storage unit will provide back-up power, which will address the problem of intermittency and facilitate the accommodation of more renewables on the grid.
- To become fully available by May 2019

# Delivering on the Strategy

## Renewables

**OBJECTIVES:** greater energy security and a more environmentally sustainable energy sector.

- JPS fully supports the Government's objective of 30% renewable energy by 2030.
- Renewables now make up approximately 10% of the energy on the grid.
- We are ensuring that more renewables are added to the grid – in the last two years, we have facilitated the doubling of renewables, through partnerships with IPPs, etc.
- JPS believes we can go even further...

# Delivering on the Strategy

## Energy Efficiency

**OBJECTIVE:** to facilitate savings at the individual and national levels.

- Efficiency is integral to economic growth and prosperity.
- Education and behaviour change through customer education, products and services, and Community Renewal programme.
- JPS Energy Solutions & JPS eStore provide options for both business and residential customers to manage their costs.
- JPS has launched mobile Apps which put more control of energy consumption in our customers hands

# Delivering on the Strategy

## Energy Efficiency

UP TO  
**55%**

REDUCTION IN ENERGY CONSUMPTION FROM SMART STREET LIGHT PROJECT



UP TO  
**30%**

REDUCTION IN BILLS WITH PREPAID SERVICE



**This is why I love my PAYG...**

"I tell my friends to try it. It works for me and will work for them too."

Sophia  
Quarry Hill, St. Catherine

**JPS** **PAY AS YOU GO**



# Delivering on the Strategy

## **OBJECTIVE: to build out a smart, self-healing grid**

- Investment in smart streetlight infrastructure: more than 40,000 of 105,000 streetlights will be replaced by the end of 2018.
- Smart meter roll-out: facilitate real time information on usage, consumption patterns, and improved efficiency, etc.
- Deployment of technology and infrastructure improvement to improve reliability and power quality: Distribution Automation, Automatic Trip Savers, Fault Circuit Indicators, Power Quality Monitors, etc.

# Delivering on the Strategy

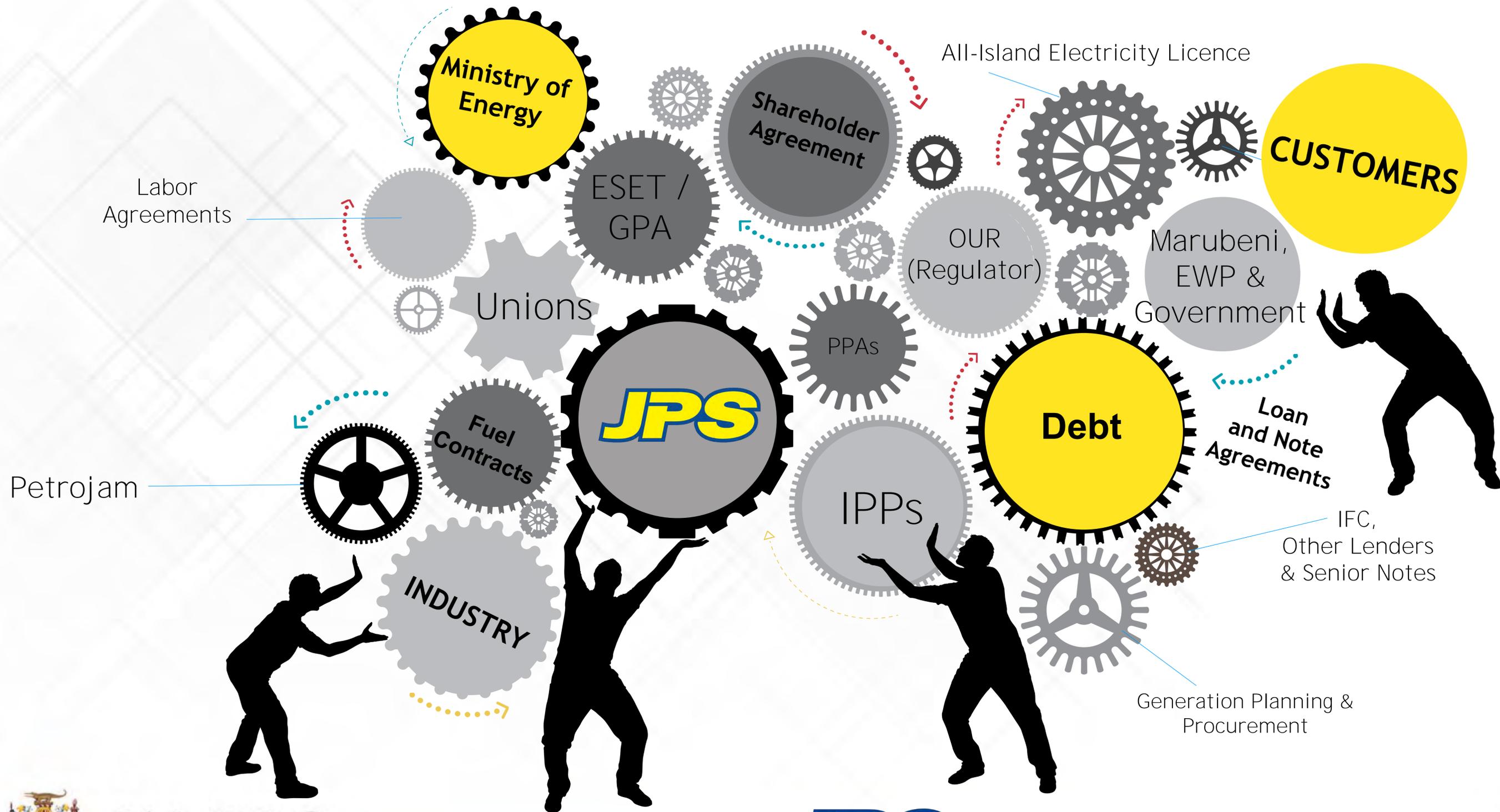
- JPS has upgraded its Grid Control Systems to improve reliability and to accommodate the integration of more variable sources of energy, such as solar and wind.
- We are deploying technology to address the problem of system losses, which impacts businesses.
- The strategy is to eliminate losses among large customers, and ultimately reduce the cost of doing business for these customers.

# Delivering on the Strategy

**OBJECTIVE: to more directly support growth of businesses and Jamaica's economic development**

- Business Development division established in 2017.
- Working with customers to identify and harness new market opportunities.
- Providing traditional and alternative energy solutions... unique solutions to meet each customer's needs.

# Partnerships Are Key to Successfully Negotiating the Landscape as Investors



# JPS... Enabling Investment

- At JPS, we take very seriously our role in enabling businesses and helping to attract business to Jamaica.
- We are committed to being enablers of new development in Jamaica:
  1. We will continue to invest to improve supply reliability
  2. We are exploring ways to make your electricity rates more affordable
  3. We are improving our processes to make it easier to do business
- We are also working with the Government through JAMPRO to improve Jamaica's ranking in the World Bank's "Doing Business Report".

