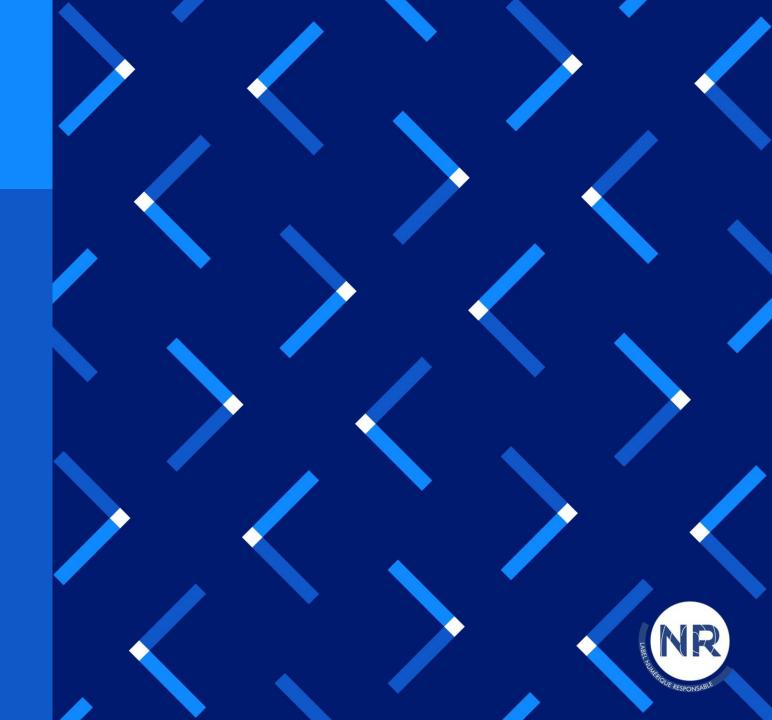


Energy Transition in La Réunion : Towards 100% Renewables







# La Réunion Island a Non Interconnected Area

- Autonomous energy systems of limited size
- Areas exposed to natural hazards
- High electricity generation costs
- A costly balance between supply and demand
- Tariffs serving national solidarity
- A specific regulatory framework





# A specific regulatory framework

#### **Project** developpers Generators **Transmission** Distribution Supply **Energy Efficiency** Purchase System **Generators EDF** sole buyer **EDF**, grid operator **EDF** sole supplier **Project** Selected following Signs and executes Manages injections into the network by generators; of regulated tariff developpers calls for tender power purchase or ensures balance between supply and demand Design and Draws up distribute issued by the public energy saving contracts Transports electricity through the transmission and regulated sales authorities or distribution grids; connects customers to the network products, services contracts; invoices following an and measures the quantities of electricity consumed and collects or infrastructures application for an customer debts that contribute to operating licence **Energy Efficiency**







Transmission & Distribution

**Energy supply** 



+418000 custormers

+900 MW of electricity generation capacity and

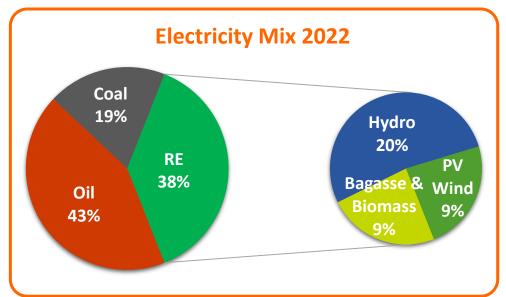
+4500 power purchase contracts

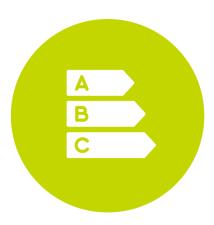
+10000 km of electricity networks



# (5/52)

# Challenges of Energy Transition La Réunion Island is already an exemple





**75** GWh.

of consumption savings in 2022, equivalent to the annual consumption of 20,000 housholds.





-55000 t.

of CO2 emissions avoided.

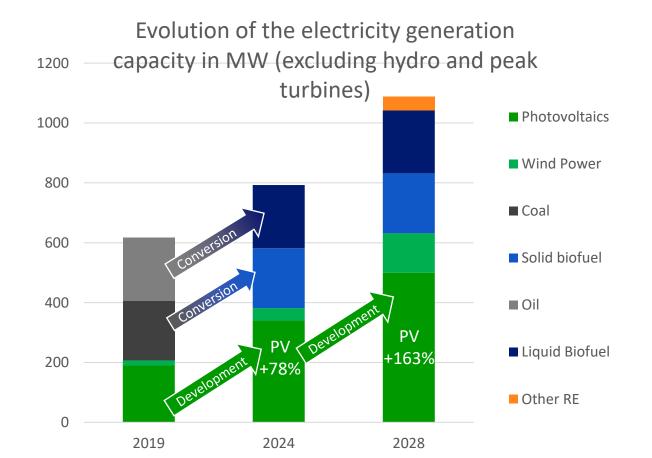


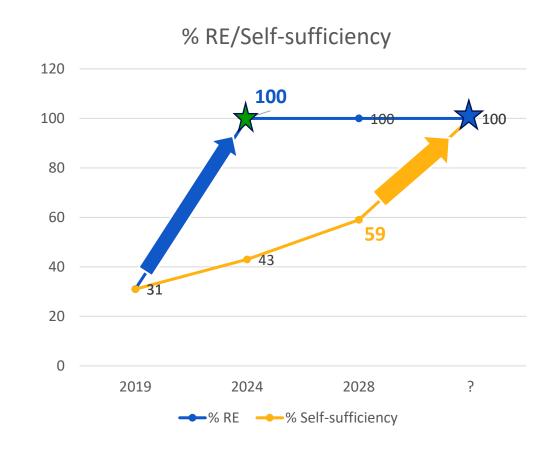






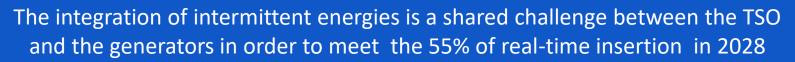
# La Réunion Island Energy Plan : Increasing Renewable Energies and eliminating fossil fuels















# EDF 100% engaged to enable 100% Renewables

# Main levers for Réunion energy Plan



## **Development of Renewables**

- Securing the balance between Supply/Demand during the Energy Transition
- Preparing the grid for the connection of Renewables
- Integrating Renewables without compromising security of supply



## **Energy Savins for all**

- Steering the Territorial Compensation Framework to promote Energy Efficiency actions
- Developing more responsible and sustainable consumption

### Integration of electric mobility

- Developing EV charging management (residential)
- Contributing to the EV Charging Infrastructure plan
- Developing storage and experimenting H2



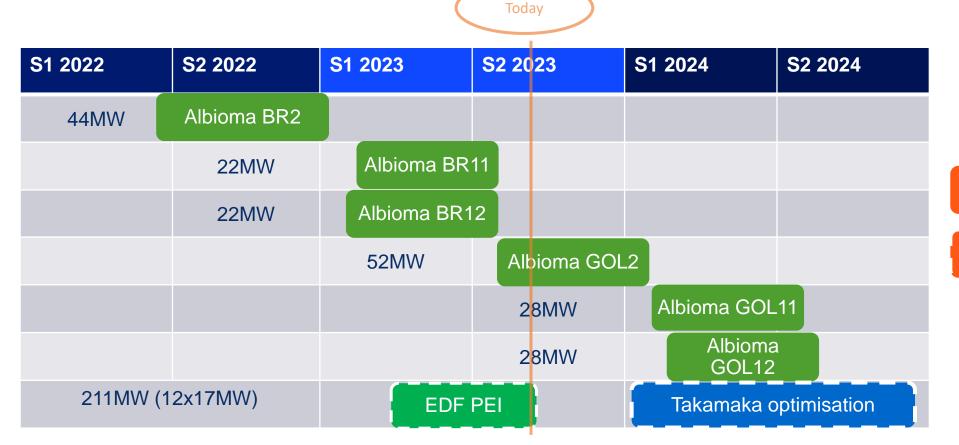






Ensuring continuity of power supply during Energy

**Transition** 



Full shutdown

Partial shutdown

2023 is a major milestone for the transition of Réunion's energy system, with dispatchable capacities unavailable for long periods.





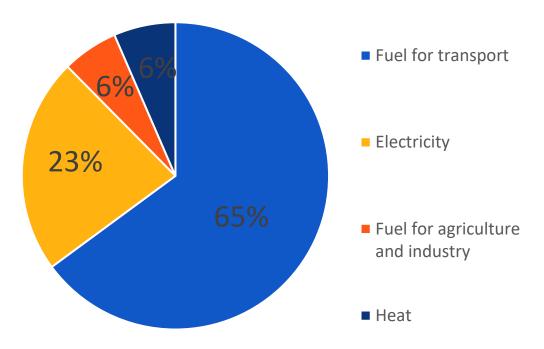
# Decarbonising transportation, the next challenge



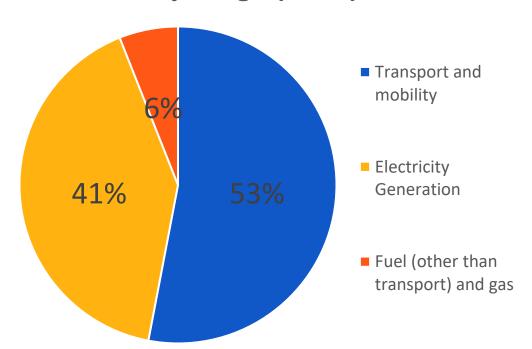




## Final energy consumption (2022)



## **Greenhouse gas emissions** by usage (2022)













# Reunion Island Energy Plan Key drivers and pillars for Energy Transition

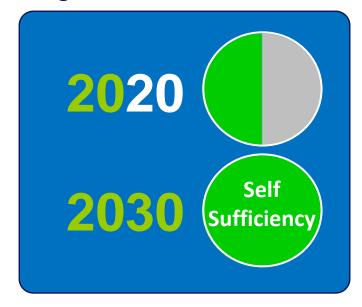
#### The law

the Act on energy transition for green growth, to move towards 100% renewable energies by 2030

J

Multi-year energy plan (known by its French acronym **PPE**) is a roadmap for the periods 2019-2023 and 2024-2028, setting out the country's main energy priorities and thereby guiding public and private investment

#### **Targets in % of RE**



# 3 key pillars of

Reunion Island Energy Plan



**Increasing Renewable Energies and eliminating fossil fuels** 



**Reducing Energy Consumption** 







Moving toward low carbon mobility

