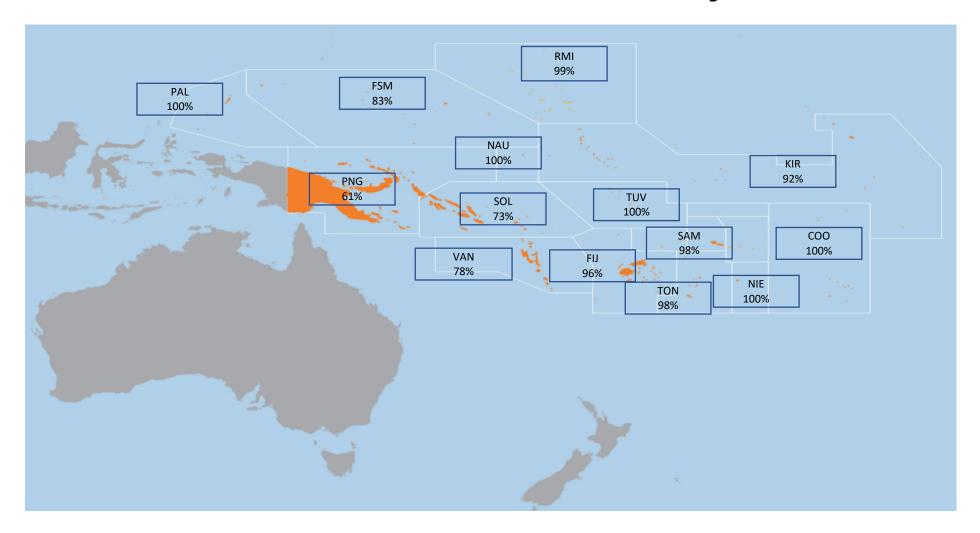
## **Pacific DMCs - Electricity Access**



## **Ambitious NDC targets**

"45% renewable energy by 2025"

"100% coverage by 2020"

"32% reductions in emissions by 2025 compared to 2010 baseline"

"Replace more than one-third of fossil fuels for electricity and transport by 2030"

- Implications for customers
  - Clean energy use
  - Electricity tariff
  - Energy Security

# • CASE STUDY 1 – USING ENERGY IN SMALL ISLANDS MALDIVES AND PACIFIC SIDS

#### SOLAR ICE MAKING – MALDIVES







https://www.globalelectricity.org/projects/solar-ice-dhiffushi-maldives/

### Rural Electrification Support



#### Fiji

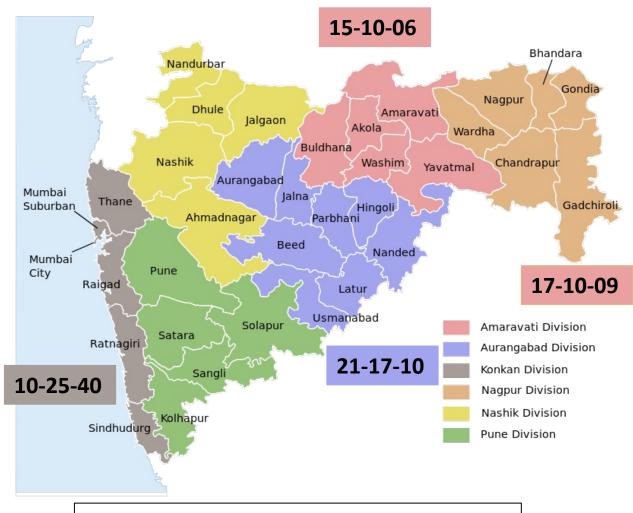
- ADB support under discussion
- Potential to scale up with CIF Renewable Energy Integration Initiative

#### **FSM**

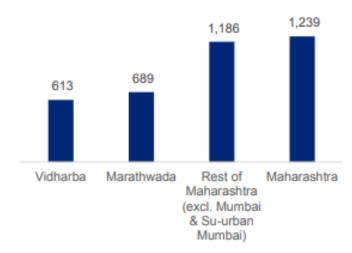
- ADB PRF approved
- Design options and future investment support under discussion

• CASE STUDY 2 – MAHARASHTRA RBL ENERGY AND WATER MANAGEMENT FOR AGRICULTURE

#### Maharashtra - State

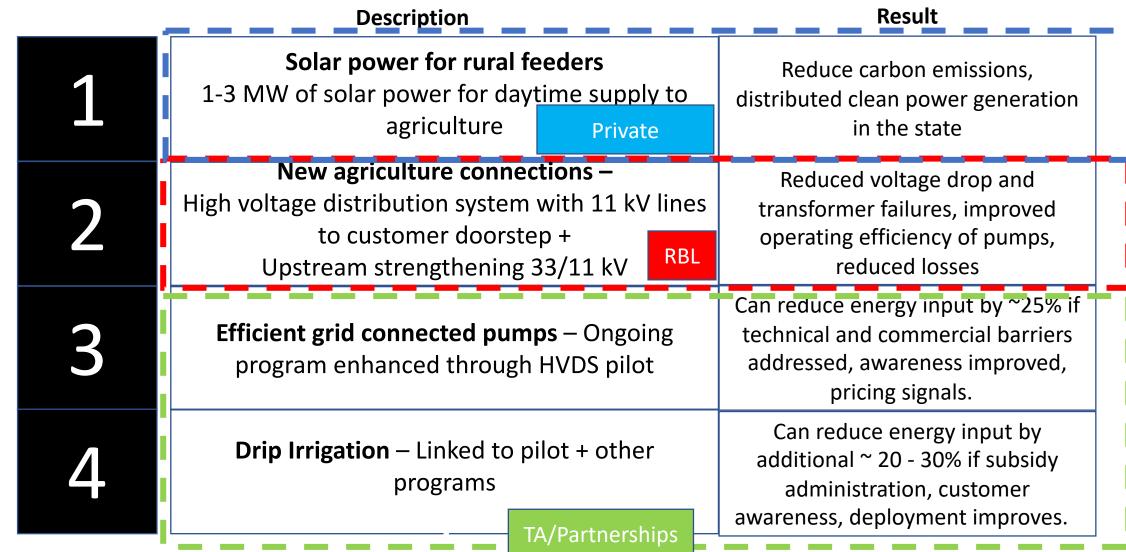


## Variations in electricity consumption in rural Maharashtra



Source: Power For All Program for Maharashtra – 2016 Vidharbha – Part of Nagpur Division Marathwada –Part of Amaravati + Aurangabad Divisions

## Support for Agriculture – Rural Maharashtra



#### TA support - Maharashtra

#### Pilot Program

- 100% HVDS + Efficient pumps + Efficient water usage on an agriculture feeder
- Reduce electricity use from BAU
- Partnerships
- Capacity Building Aquifer monitoring, water budgeting, energy usage reviews
- Formulate options for conditional direct benefits transfer

# Illustrative Energy Consumption Pattern (kilowatthours/pump)

