

# Experiences and lessons learned from implementation of TNAs and links to the NDCs: Bahamas

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# The Bahamas: National Context



- Over 20 inhabited islands
- 80% of land mass within 1m of mean sea level
- Affected by tropical cyclones ~ every 2 years
- Salinization of water tables
- Reliant on fossil fuels for:
  - Energy
  - transportation
  - reverse osmosis water generation

# The Bahamas' NDC

## **Key Technologies Included**

- Renewable energy
  - 30% RE by 2030
- Reverse osmosis
  - High usage of energy
- Energy efficiency

## **Benefits**

- Increase energy security
  - Reduced reliance on imported fuels
- Increase resilience from disasters
  - Quicker access to energy after hurricanes; distributed grid
- Reduced costs for consumers
  - Currently highest electricity costs in the region

# Technologies Implemented: Focus on RE

- National Stadium
  - 925kW solar system
  - Charging for electric vehicles
  - Completed March 2019
- School RE Systems
  - 250kW solar system
  - Energy efficiency measures



# Clear Need for TNA and TAP

- Holistic approach to identifying and planning for technologies
  - Adaptation and mitigation
- Build on identification of technology needs identified in NDC
- Bahamas part of TNA Phase IV by GEF