Saudi Arabia
National Renewable Energy Program
National Renewable Energy Program

The National Renewable Energy Program
• Managed by the Renewable Energy Project Development Office (REPDO) at the Ministry of Energy, Industry and Mineral Resources, under the auspices of the King Salman Renewable Energy Initiative
• Supporting all RE related initiatives in the Kingdom
• Review legal & regulatory frameworks

Target & objectives

Investing for the long term
• Localization is key
• Localize R&D, manufacturing and other sections of the value chain

Create renewable energy industry
• Encourage Public-Private partnerships
• Allow the private sector to buy & invest in renewable energy (RE)
National Renewable Energy Program

Renewable Technologies Targeted

- Solar PV
- W2E
- Wind
- Others
- Solar CSP
National Renewable Energy program

Sites selected on multi-criteria basis

- Stakeholder engagement
- Renewables GIS analysis
- Land availability
- Development status
- Displacement of high value fuels
- Economic development
- Long-term water & power plan (LTP)

National Renewable Energy program
Sakaka PV (300MW) Bid Overview

- **Expressions of Interest**: 367
- **Countries**: 40
- **Bids submitted**: 8
- **LCOE range**: 1.78 - 3.36 $ Cents per kWh

By regional and international developers and consortia, LCOE range, registering a new MENA record low in the field of solar power projects.
Sakaka in numbers

Jobs
- **900**
  - Construction Phase

Saudi Homes
- **45000**
  - Supplied with Power

Capital Investment
- **$300 MILLION**
  - Cost of Construction

Environmental Impact
- **431K**
  - t/year CO2 Offset
- **388K**
  - boe/year Fossil Fuel Displacement

GDP Contribution
- **$120 MILLION**
  - GDP Contribution
Dumat Al Jandal Wind Plan (400MW) Bid Overview

- **July 16, 2017**: Request for Qualification (RFQ)
- **Aug 29, 2017**: Request for Proposal (RFP)
- **Apr 16, 2018**: Submission deadline
- **July 23, 2018**: Bid opening
- **Dec 18, 2018**: PPA Signing

**Key Figures**

- **171** Expressions of Interest
- **29** Countries
- **4** Bids submitted
- **2.13 – 3.39 Cents per kWh**

By regional and international developers and consortia, LCOE range, registering a new MENA record low in the field of onshore wind power projects.
Dumat Al Jandal in numbers

**Jobs**
- 800 Construction Phase
- 150 Operation and Maintenance

**Saudi Homes**
- 70000 Supplied with Power
- 994K t/year CO2 Offset
- 894K boe/year Fossil Fuel Displacement

**Capital Investment**
- $500 MILLION Cost of Construction
- $150 MILLION GDP Contribution

**Environmental Impact**
- 994K t/year CO2 Offset
- 894K boe/year Fossil Fuel Displacement
Drivers For Local Content in NREP

- **Balanced**: Optimum balance between LCOE / knowledge transfer / job generation
- **Sustainable**: Promotion of exporting capacity of Saudi suppliers
- **Distributed**: Job generation distributed over a higher number of products
- **Strategic**: Program to guide the development of selected key strategic components / technologies
- **Quick result**: Visible results from 2018 onwards