

# RENEWABLES INTERACTIVE MAP

## COUNTRY PROFILE: Saudi Arabia

### 1. SUMMARY

#### 1.1 Country Overview

Country size	2 149 690 km <sup>2</sup>
Population	28 686 633
GDP	576 824 000 000
Energy production	579 022 ktoe/year
Energy consumption	98 859 ktoe/year

### 3. Renewable Energy Targets

#### 3.1 Electricity

Sector	Technology	Value	Description	Year	Reference
Electricity	Non-Technology specific	54 GW	Targeted total installed renewable capacity.	2032	K.A.CARE. "Building the Renewable Energy Sector in Saudi Arabia"
Electricity	Solar PV	16 GW	Targeted total installed solar PV capacity.	2032	K.A.CARE. "Building the Renewable Energy Sector in Saudi Arabia"
Electricity	Solar PV	25 GW	Targeted total installed CSP capacity.	2032	K.A.CARE. "Building the Renewable Energy Sector in Saudi Arabia"
Electricity	Wind	9 GW	Targeted total installed wind power capacity.	2032	K.A.CARE. "Building the Renewable Energy Sector in Saudi Arabia"
Electricity	Solid Biomass	3 GW	Targeted total installed waste-to-energy capacity.	2032	K.A.CARE. "Building the Renewable Energy Sector in Saudi Arabia"
Electricity	Geothermal	1 GW	Targeted total installed geothermal capacity.	2032	K.A.CARE. "Building the Renewable Energy Sector in Saudi Arabia"
Electricity	Solar PV	6 GW	Targeted total installed solar PV capacity.	2020	Solar PV Trade Mission, Saudi Arabia, November 2013.
Electricity	Solar PV	1 GW	Targeted additional installed solar PV capacity.	2013	Solar PV Trade Mission, Saudi Arabia, November 2013.
Electricity	Solar PV	10,000 Units	Targeted additional installed solar PV panels.	2013	Solar PV Trade Mission, Saudi Arabia, November 2013.

#### 3.2 Primary energy

Sector	Technology	Value	Description	Year	Reference
Non-Sector specific	Non-Technology specific	23-30 %	Targeted share of renewables in total primary energy supply.	2032	King Abdullah City for Atomic and Renewable Energy. "Saudi Arabia's Renewable Energy Strategy and Solar Energy Deployment Roadmap"

### 4. Renewable Energy Shares

#### 4.1 Electricity production

Sector	Technology	Value	Description	Year	Reference
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Electricity	Solar PV	0 %	Share of renewables in electricity generation.	2010	Observ'ER. "Worldwide electricity production from renewable energy sources"
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## 5. Installed Capacity

5.1 Installed capacity					
Sector	Technology	Value	Description	Year	Reference
Electricity	Solar PV	12 MW	Total installed solar PV capacity.	2013	Solar PV Trade Mission, Saudi Arabia, November 2013.
Electricity	Solar PV	0.508 MW	Added installed solar PV capacity.	2013	Global Status Report (GSR) 2014. "Country Profile Saudi Arabia" provided by Adam Weber, Clean Energy Business Council
Electricity	Solar PV	17 MW	Total installed solar PV capacity.	2013	Global Status Report (GSR) 2014. "Country Profile Saudi Arabia" provided by Adam Weber, Clean Energy Business Council
Heating/Cooling	Solar heating/cooling	17 MW	Total installed solar thermal capacity.	2013	Global Status Report (GSR) 2014. "Country Profile Saudi Arabia" provided by Adam Weber, Clean Energy Business Council
Electricity	Solar PV	16.5 MW	Total installed solar PV capacity.	2012	Global Status Report (GSR) 2014. "Country Profile Saudi Arabia" provided by Adam Weber, Clean Energy Business Council
Heating/Cooling	Solar heating/cooling	17 MW	Total installed solar thermal capacity.	2012	Global Status Report (GSR) 2014. "Country Profile Saudi Arabia" provided by Adam Weber, Clean Energy Business Council
Electricity	Solar PV	2 MWp	Total installed solar PV capacity.	2010	Observ'ER. "Worldwide electricity production from renewable energy sources"

## 6. Energy Production

6.1 Energy production					
Sector	Technology	Value	Description	Year	Reference
Electricity	Solar PV	3 GWh	Total solar PV electricity generation.	2010	Observ'ER. "Worldwide electricity production from renewable energy sources"
Electricity	Solar PV	3 GWh	Total solar PV electricity generation.	2009	Observ'ER. "Worldwide electricity production from renewable energy sources"