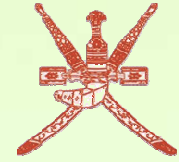


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Public Authority for Electricity and Water



# RENEWABLE ENERGY INITIATIVES IN OMAN

Public Authority for Electricity and Water

BY  
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GM– Policy & Strategy



Muscat Green Days

# Presentation Outline



## Presentation outline

- Background
- Renewable Energy in Oman
- Large Scale Solar Power Plant
- Way Forward

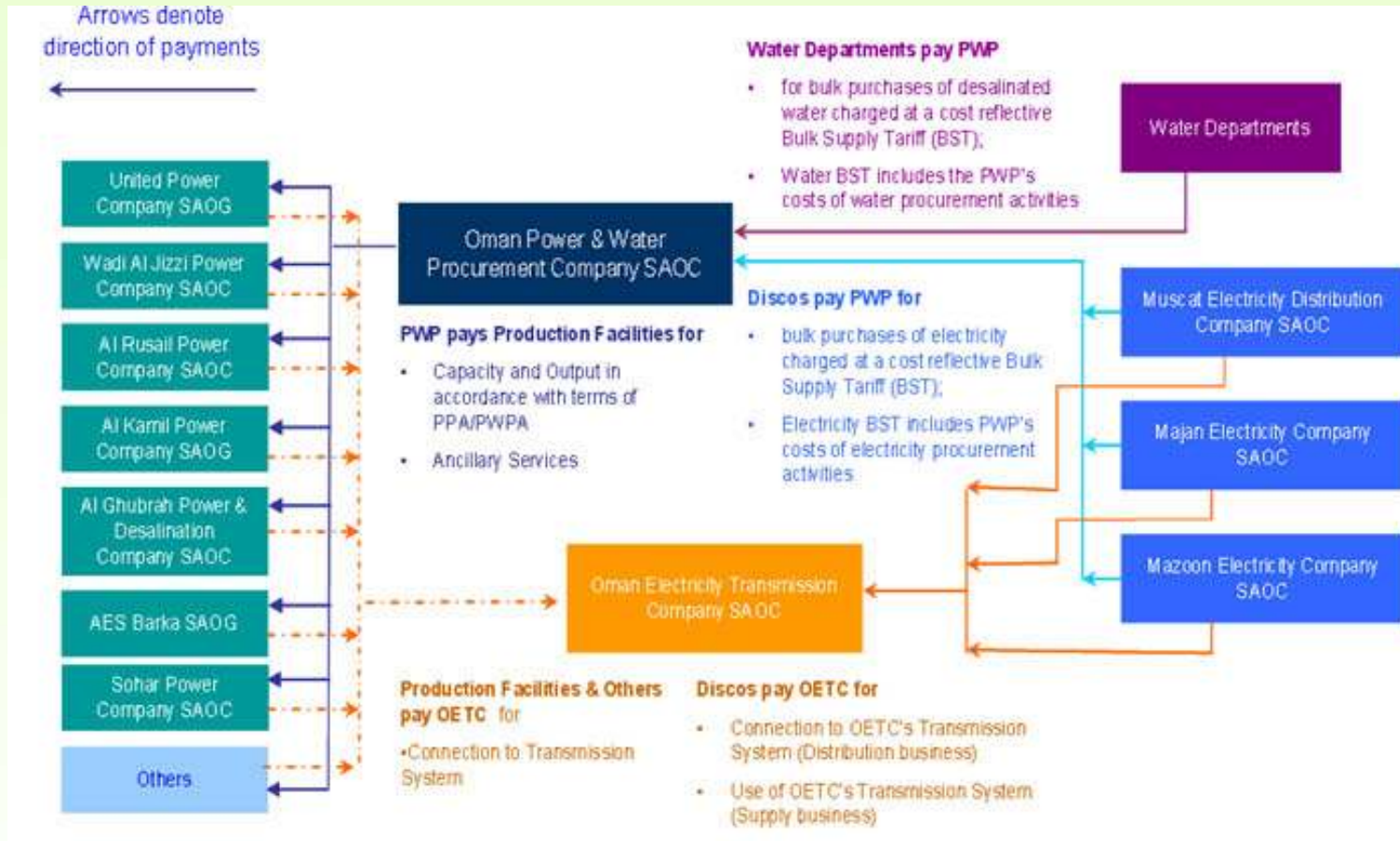
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# Oman Electricity Market Structure



All intra sector transactions: (i) regulated & (ii) cost reflective (no direct subsidy)

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# Key challenges



- Double Digit Growth
- Subsidized electricity tariff
- Fuel issues

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# Renewable Energy in Oman



- The Government of Oman has clearly stated its support for the implementation of renewable energy initiatives in Oman
- A ministerial committee has been established to oversee and coordinate efforts – chaired by Ministry of National Economy
- A technical committee has been formed chaired by Public Authority for Electricity & Water
- The Authority for Electricity Regulation (AER) commissioned a study to investigate the potential for renewable energy projects in the electricity sector. The full study is available on AER web site [www.aer-oman.org](http://www.aer-oman.org)
- The Public Authority for Electricity and Water is taking steps to implement solar and wind energy projects, to coordinate efforts to identify the need for research and development and to identify the need for policy and other support mechanisms

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# Study on Renewable Energy Resources - 2008



## Objectives:

- To provide an overview of renewable sources of energy in Oman & the potential use of renewable energy for electricity production
- To provide a platform for developing renewable energy policies for Oman

## Findings:

- Significant potential from: Solar & Wind
- Limited potential from: Biogas, Geothermal & Wave

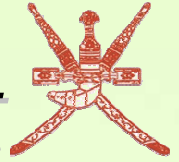
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# Large Scale Solar Power Project



## Feasibility Study

- Selection of optimum location & Capacity
- Review Market structure and regulatory framework
- PPA structure & Risk matrix

## Competition Process

- 12 months from approval of strategy by government
- Tendering process designed to ensure:
  - Economic Purchase (*of capacity and output*)
  - Fairness and transparency
  - Bankability of the project

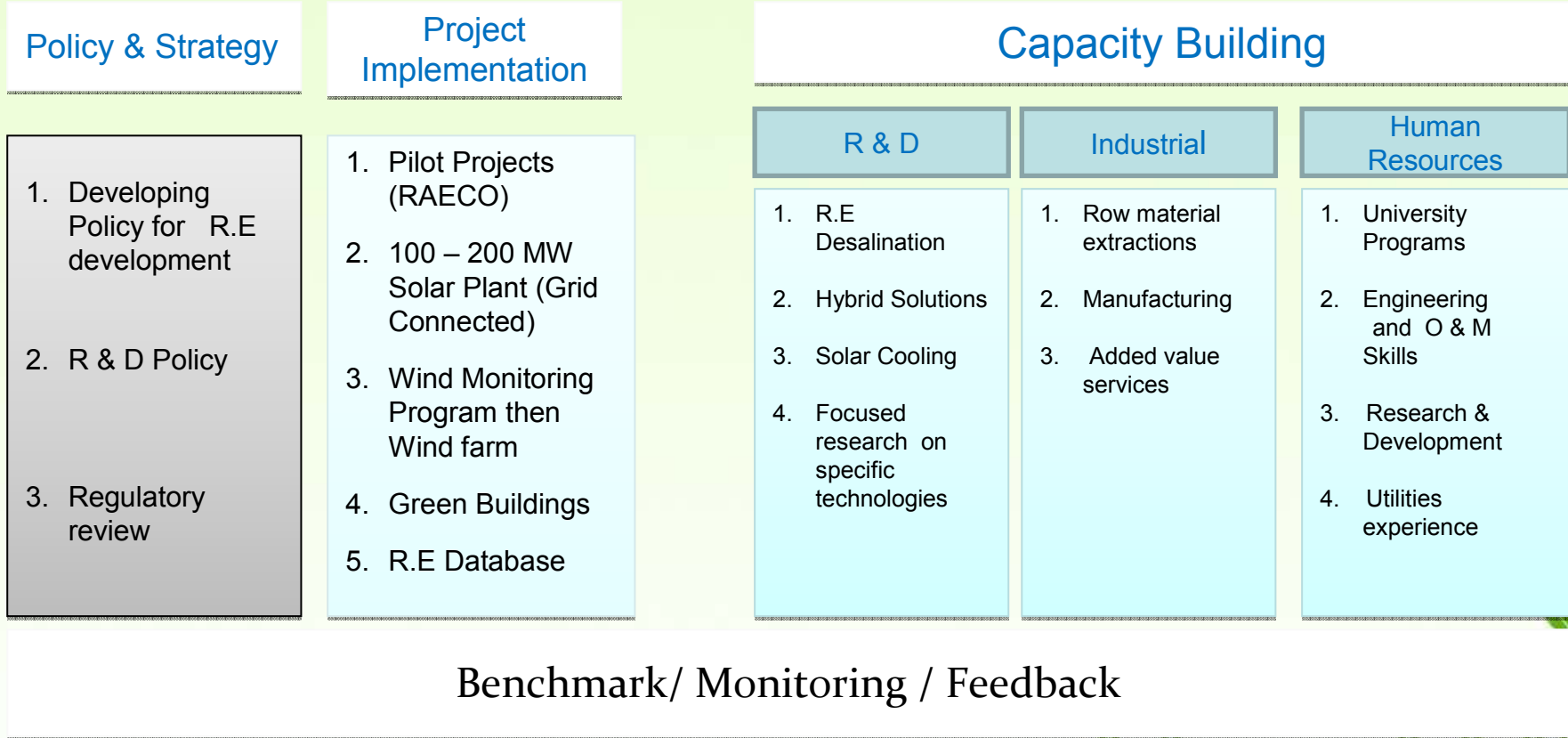
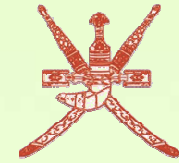
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# RE way forwarded





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Thank You

