

Country Focus: Jordan

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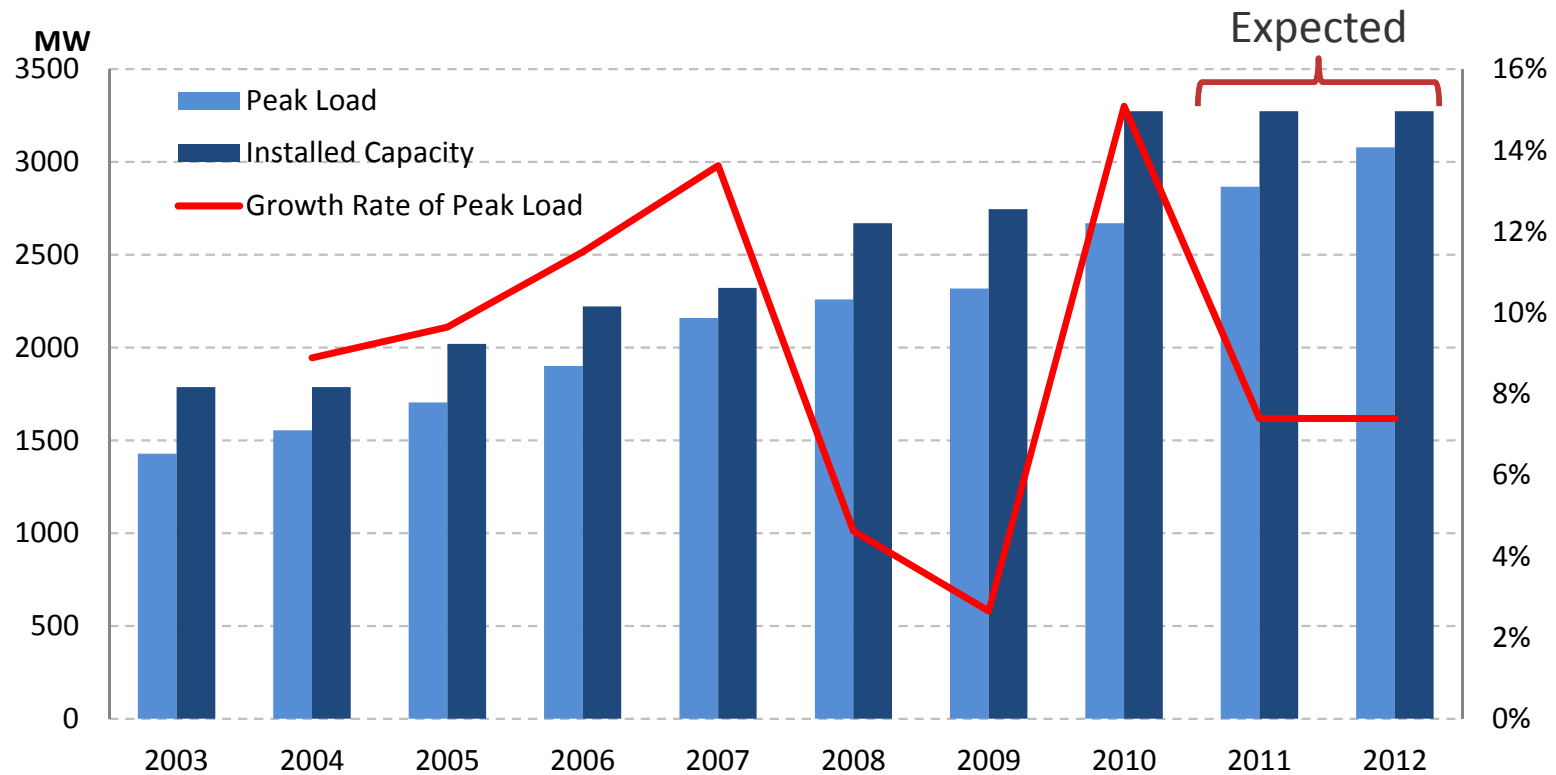
September 2012



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Jordan Power Sector Overview

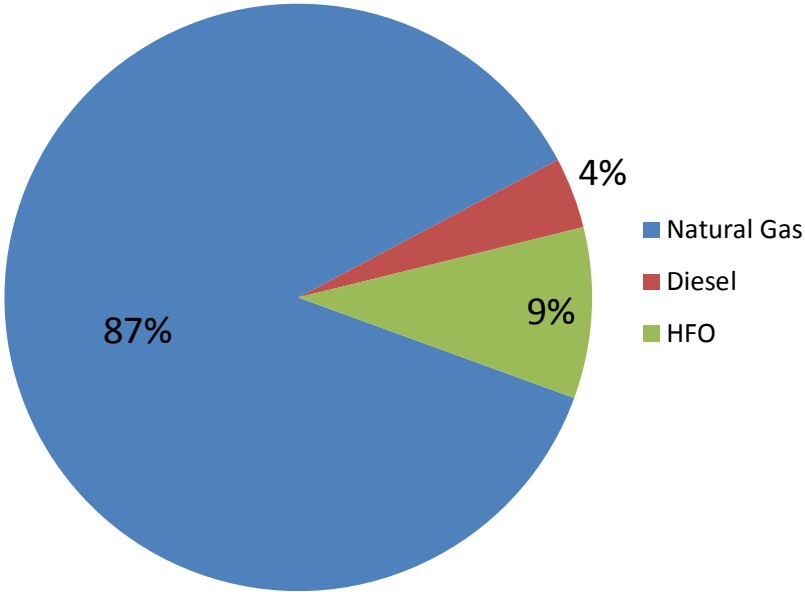


- Peak load grew at a whopping 15% in 2010.
- Jordan's peak load is forecast to continue to grow in the future.
- While the installed capacity has been sufficient to meet peak demand in the past, it is expected that there will be shortages in the future.
- Particularly, spinning reserves are forecast to decrease drastically in 2013.

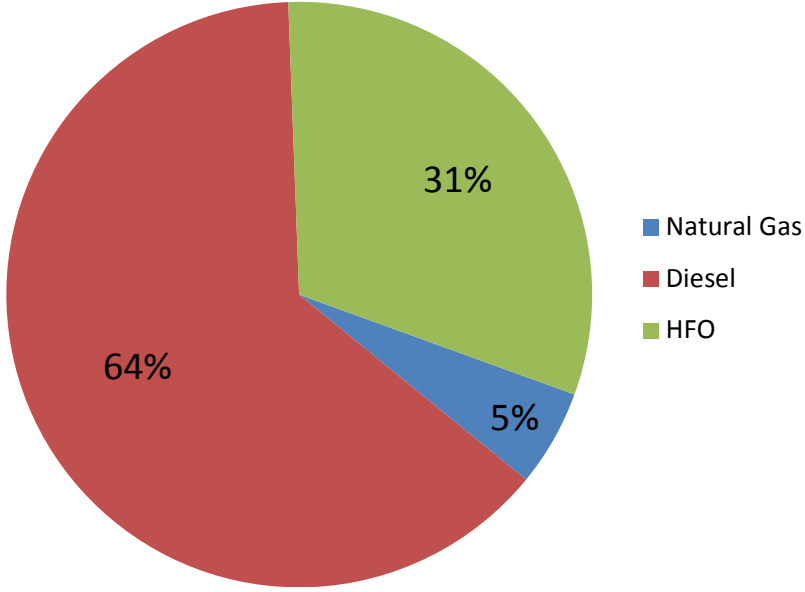


Fuel Mix

Egyptian Gas Available



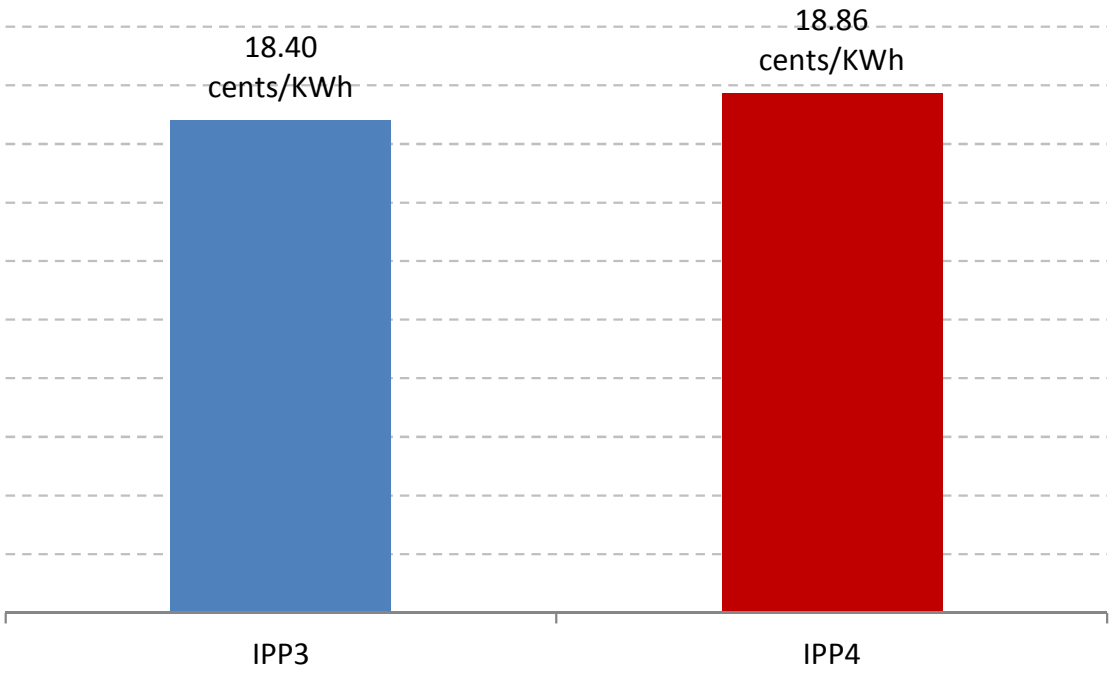
Egyptian Gas Not Available



95% of Jordan's fuel needs are imported

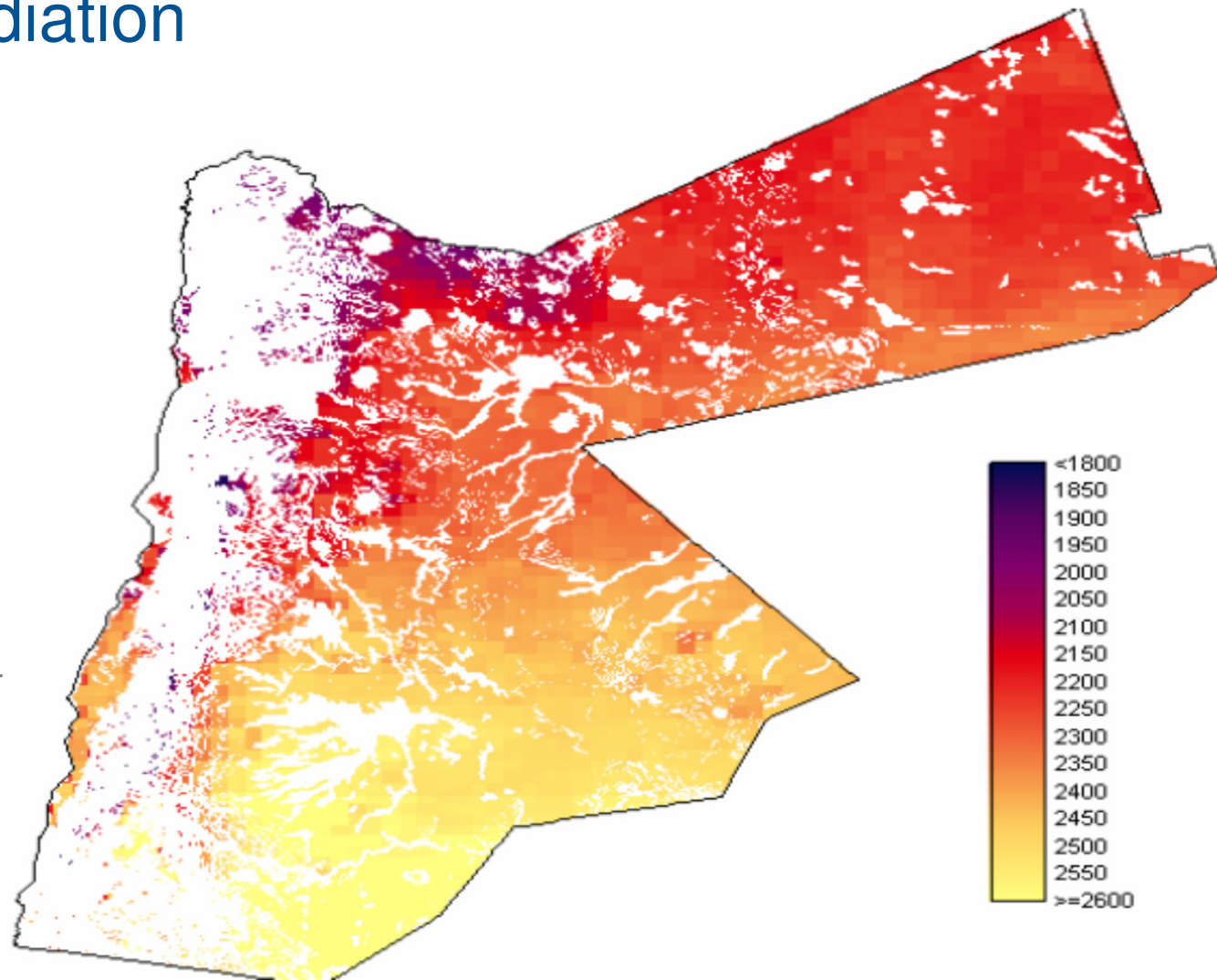


Electricity Tariffs

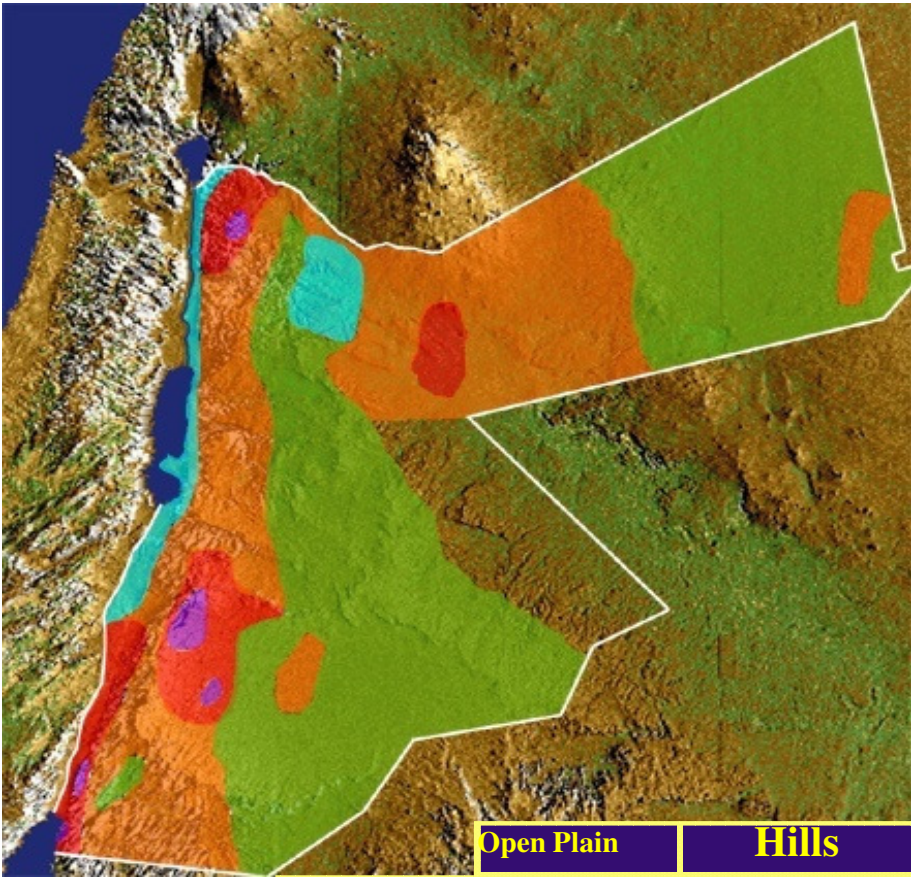


Solar Irradiation

- High Solar Irradiation (more than 2,600 KWh/m²/yr)
- Lower dust effect compared to the GCC region.
- Significantly lower humidity effect compared to the GCC region.

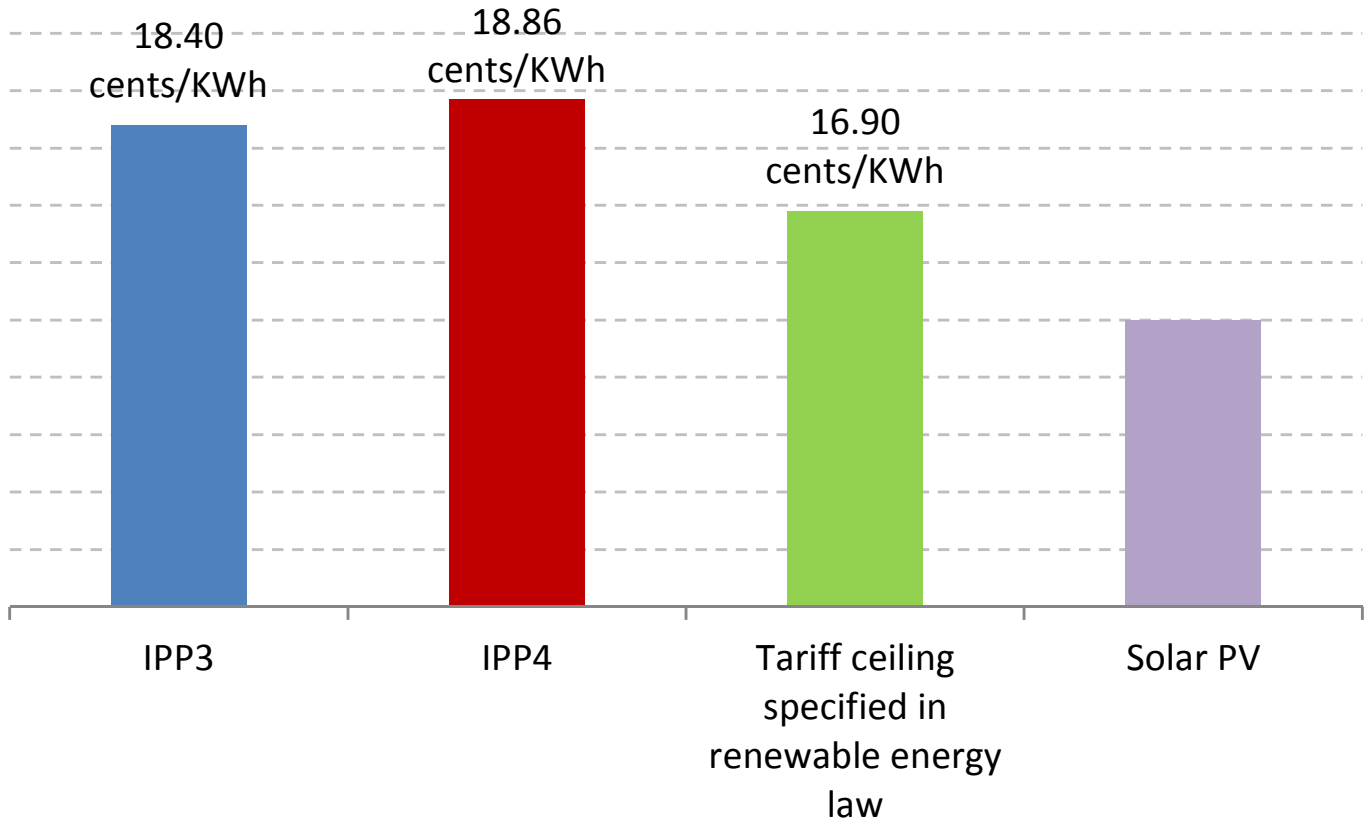


Wind Power



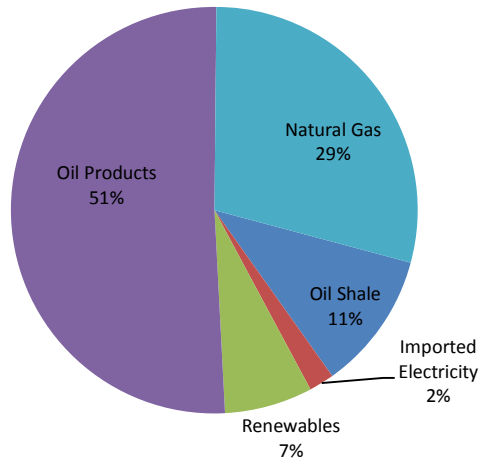
| | Open Plain | Hills |
|--|------------|------------|
|  | >7.5 m/s | >11.5 m/s |
|  | 6.5-7.5m/s | 10-11.5m/s |
|  | 5.5-6.5m/s | 8.6-10m/s |
|  | 4.6-5.5m/s | 7-8.6 m/s |
|  | < 4.5 m/s | < 7.0 m/s |

Electricity Tariffs

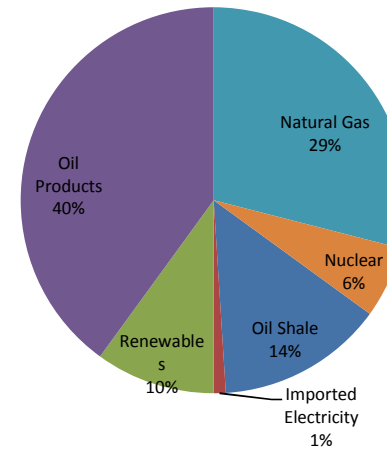


Renewable Energy Targets

2015



2020



- Renewable Energy to have a share of 7% of the energy mix in 2015 and 10% of the energy mix by 2020.
- 1,200 MW of Wind Energy
- 600 MW of Solar Energy
- 20 – 30 MW of Waste to Energy

Projects Update

- Ministry of Energy and Mineral Resource (MEMR) is entrusted by the Government of Jordan, through the Renewable Energy and Energy Efficiency Law No. 13, with the development of renewable energy sources for power generation.
- Following the Request for Expression of Interest in May 2011, the MEMR has received a large number of proposals.
- Due to technical limitations in the grid, the MEMR is not capable of pursuing all projects, and thus will apply an evaluation criteria on the projects and select those that are most beneficial to Jordan.
- Evaluation criteria will be based on technical and financial factors.



Project Pipeline

- 34 developers have signed MOU's with MEMR to develop over 1,000 MW of renewable energy capacity under the Renewable Energy Law.

| Technology | Received Applications | | Qualified Applications | |
|--------------|-----------------------|---------------------|------------------------|----------------------|
| | No. of Applicants | Total Capacity (MW) | No. of Applicants | Total Capacity (MW) |
| Solar PV | 24 | 545 | 15 | 225 |
| Solar CPV | 5 | 125 | 2 | 20 |
| Solar CSP | 8 | 370 | 5 | 225 |
| Wind | 22 | 1,190 | 12 | 530 - 598 |
| Other | 5 | --- | 0 | 0 |
| Total | 64 | 2,230 | 34 | 1,000 – 1,068 |

Thank You

