

Israel Renewable and Alternative Energy Developments

Presented by Dr. Amit Mor

IENE 2nd Cyprus Energy Symposium Hilton Nicosia, March 15, 2013



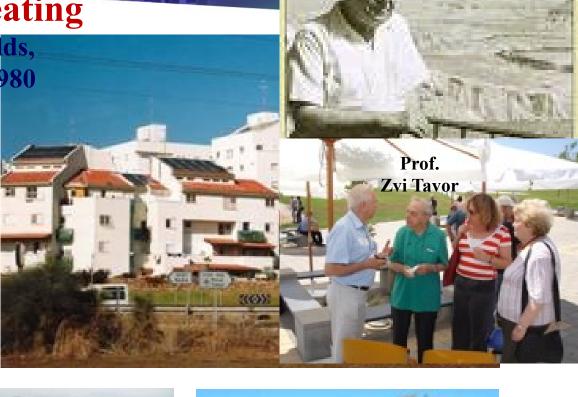
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Solar thermal water heating

95% utilization in house holds, Mandatory in Israel since 1980







David Ben Gurion





Renewable Energy

- 8% of world energy consumption (90% which is hydro
- Expected to grow to ~12% by 203

The Luz II / Brightsource demonstration power tower in southern Is

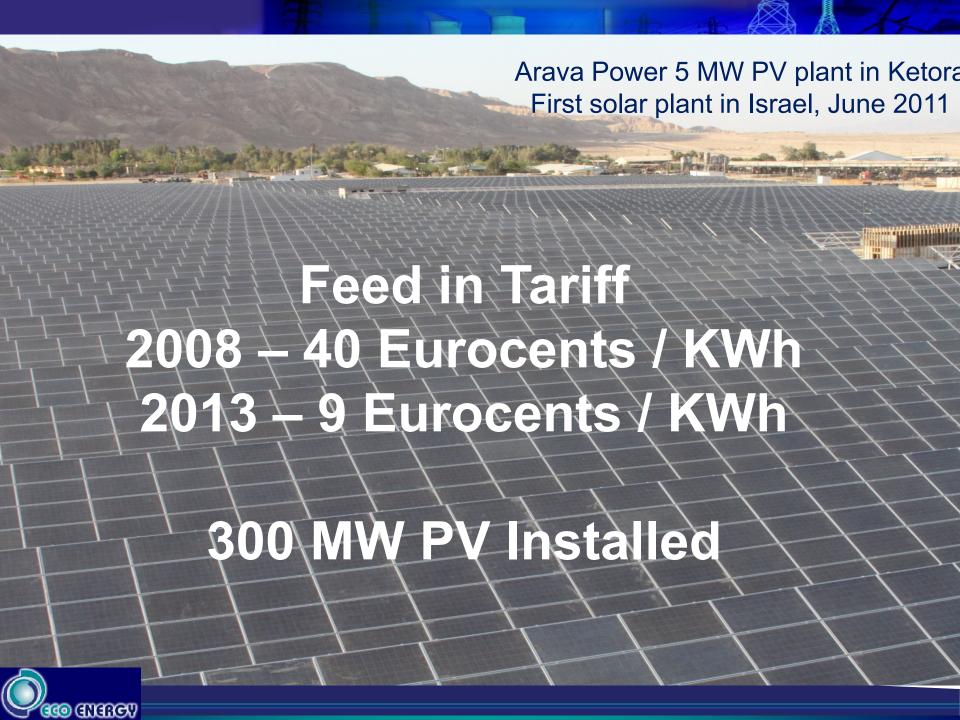
In the 1980s Israel's Luz commissioned a 352 MW thermal solar plant in the Mojave desert, CA

Luz and its successor Solel

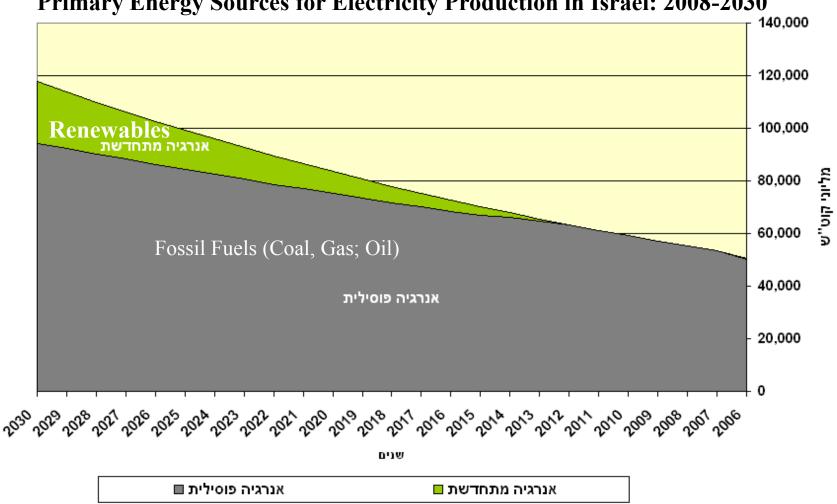
Solar thermal power plants







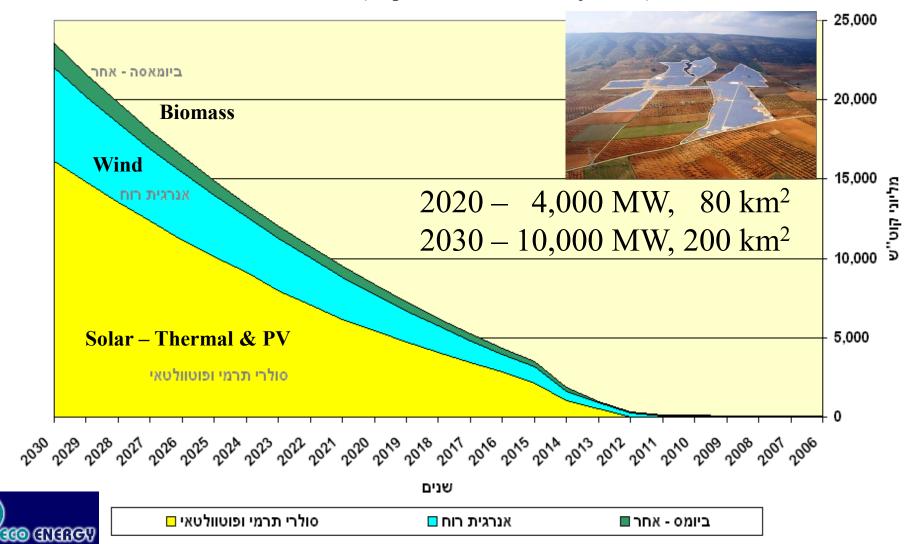
2030 - 2008 תחזית מקורות אנרגיה ליצור חשמל בישראל, Primary Energy Sources for Electricity Production in Israel: 2008-2030





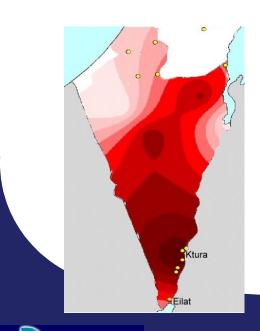
Israel: Renewable Energy Penetration Forecast 2009-2030

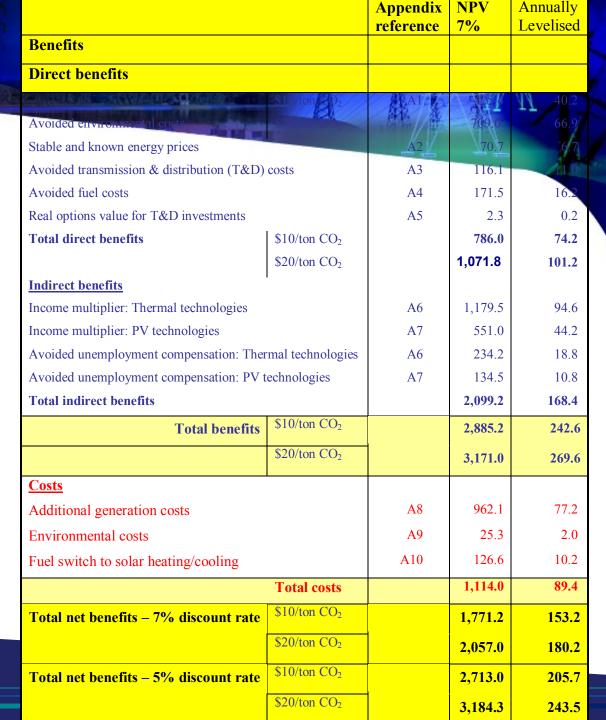
Million KWh (Implications of GOI objectives)



Net benefits of large scale utilization of Renewable energy in Israel

US\$ 3 Billion









The Clean Transportation Vision







Plug-in electric cars Will be introduced in 2012

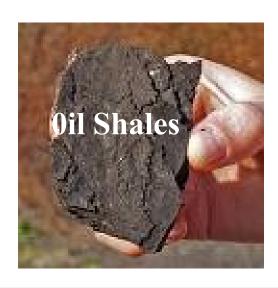








IEI Oil Shale in-situ technology



- Reserves of 400 billion tons of oil shales
- Containing ~250 billion Barrels of oil
- Technology is being developed by IEI





Natural gas & renewable energy to enhance energy and environmental security





Thank You

