Natural Gas revolution in Israel: The Environmental Aspect

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Natural gas was predominantly in use by IEC and large industrial consumers.

Within a few years, natural gas has become the primary and preferred source for electricity generation and for major industries.

~ 40% Natural Gas Share of Total Primary Energy Supply

Source: Ministry of National infrastructure, Energy and Water Resources
Natural Gas Share of Power Generation

2020 – 69%

Source: The Electricity Authority, BDO
A Dramatic Drop in Pollutant Emissions with the Production of NG From Tamar Field in 2013

SOx emissions fell by 78% while NOx emissions dropped by 58%

Source: Ministry of National infrastructure, Energy and Water Resources; Ministry of Environmental Protection (PRTR)
CO2 Emissions from Power Generation

21% reduction in CO2 emissions while power generation increase by 14%

- C02 emission reduction in Israel is one of the steepest in the OECD
- Discontinued use of coal and the transition to Natural Gas, will result 10 MT emission reduction
- 10 MT emission is equivalent to the CO2 emissions of 2/3 of the Israeli transportation sector
- Israeli government has decided that use of coal will completely stop by 2025

Source: The Electricity Authority
Thank You!

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