



The Association of Oil and Gas
Exploration Industries In Israel

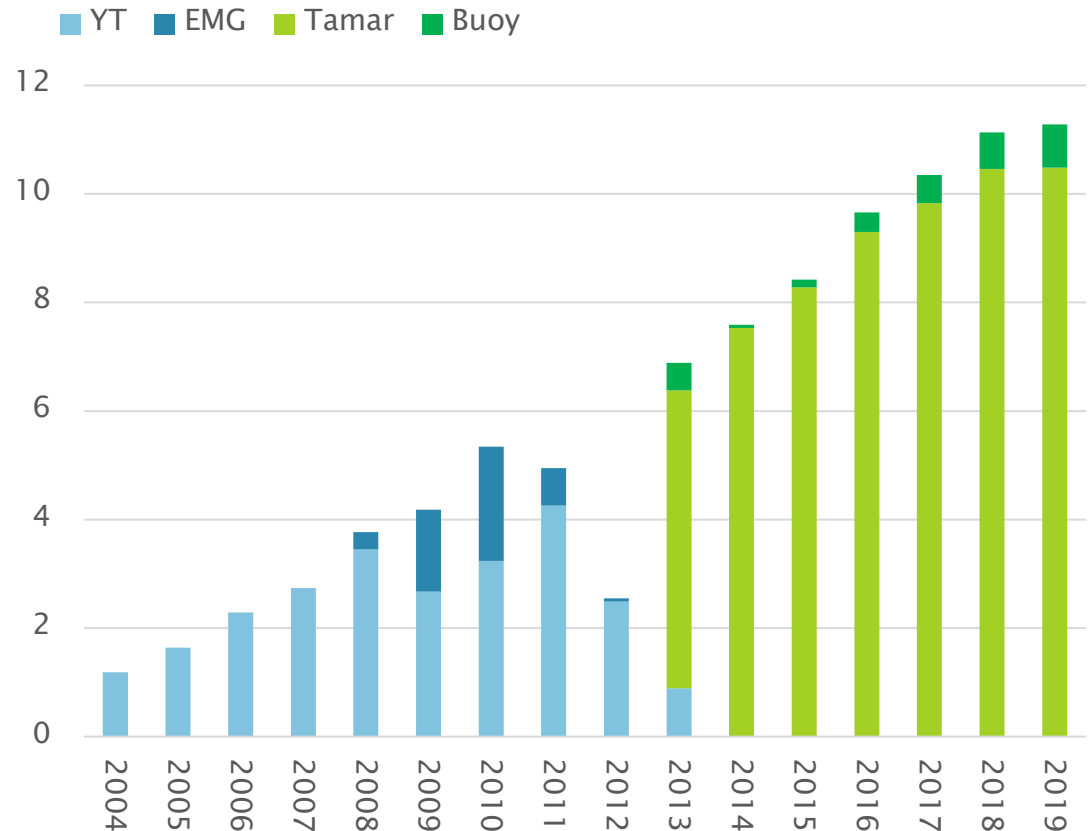
Natural Gas revolution in Israel: The Environmental Aspect

Amir Foster, Executive Director

The Association of Oil and Gas Exploration
Industries in Israel

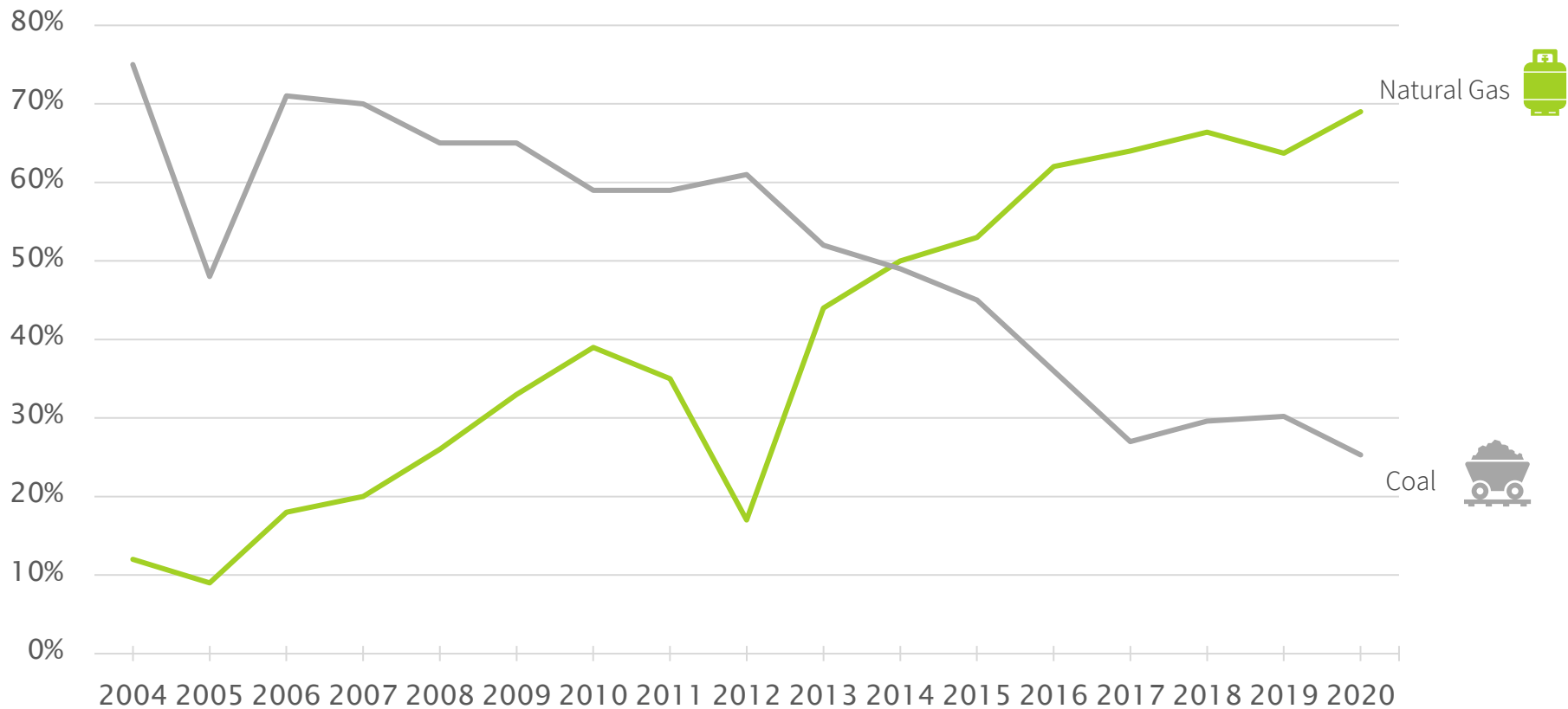
Natural Gas Demand in Israel (BCM)

- 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



Natural Gas Share of Power Generation

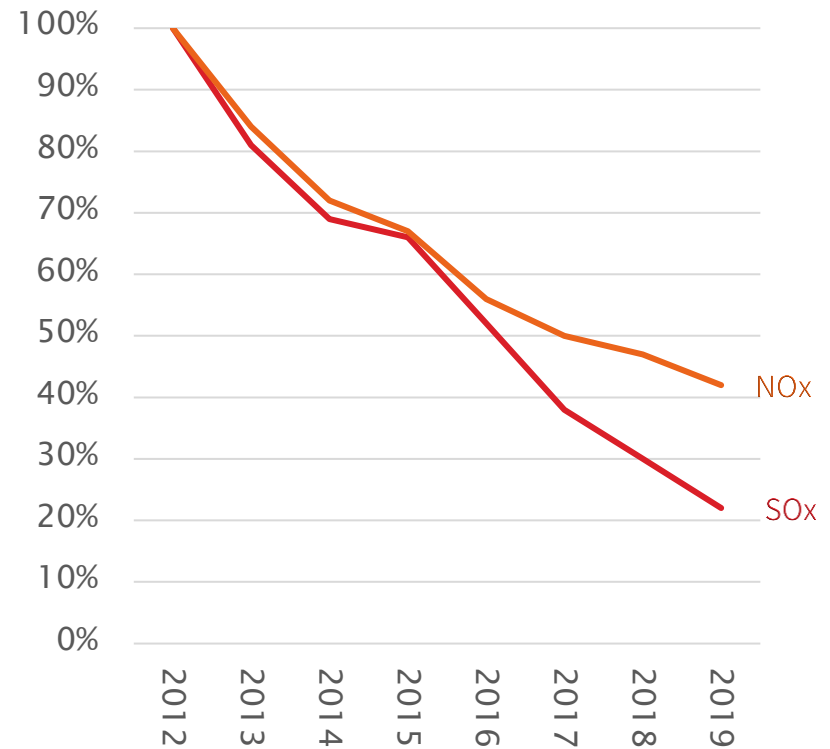
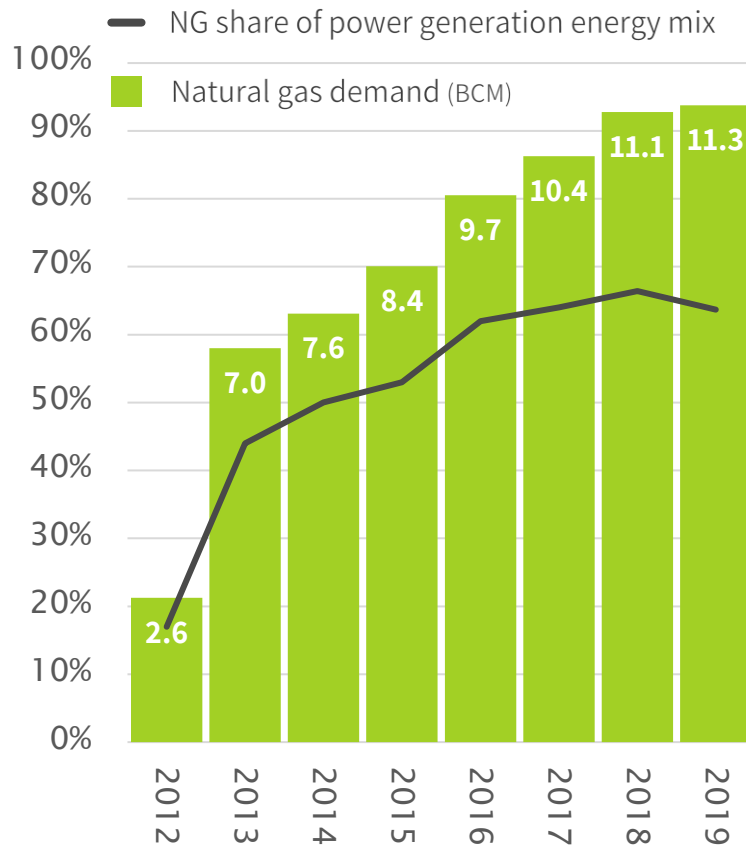
2020 – 69%



Source: The Electricity Authority, BDO

A Dramatic Drop in Pollutant Emissions with the Production of NG From Tamar Field in 2013

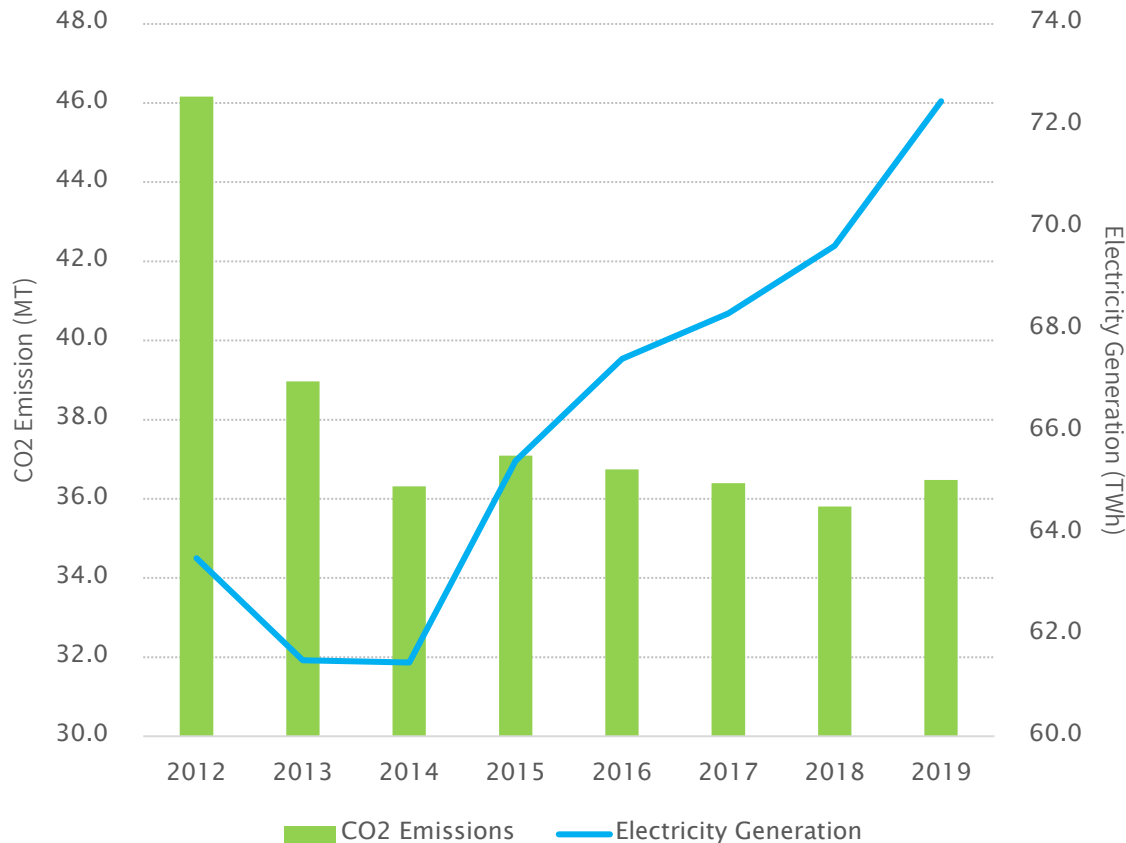
SOx emissions fell by 78% while NOx emissions dropped by 58%



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%



- CO2 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

Thank You!

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