



The Association of Oil and Gas  
Exploration Industries In Israel

# An Update on Israel's Natural Gas Market Developments

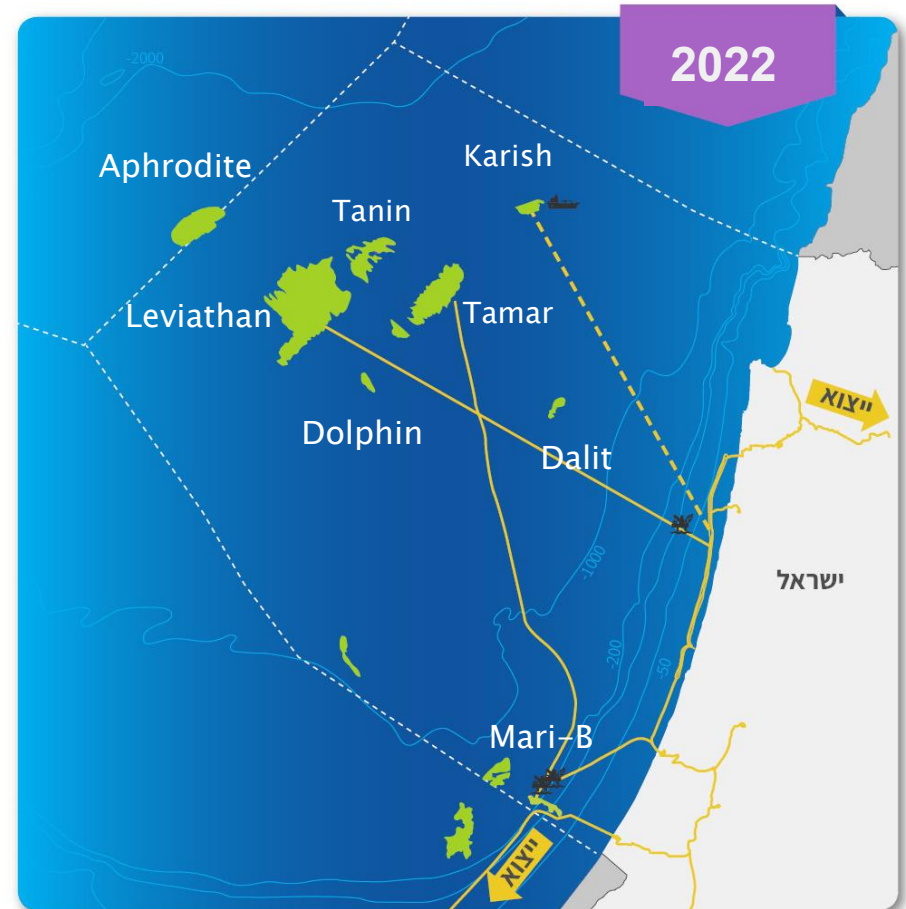
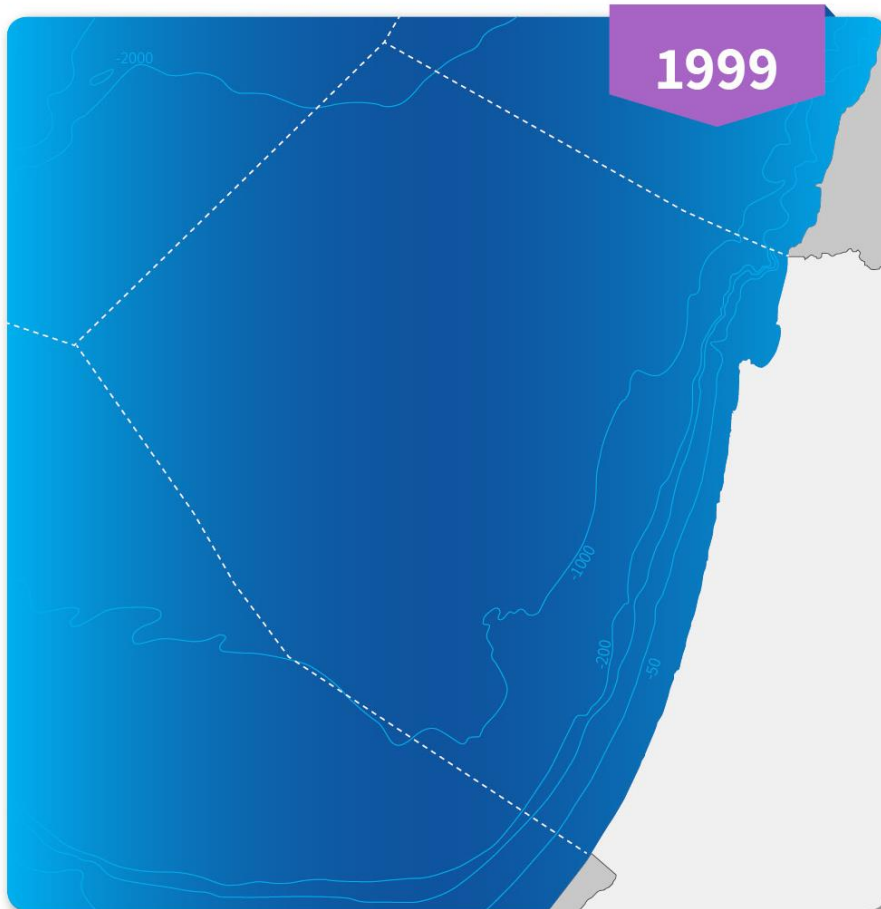
---

Amir Foster, Executive Director

The Association of Oil and Gas Exploration  
Industries in Israel

UNECE 2022

# The Natural Gas Revolution in Israel



# Recent Developments in Israel

Transition to NG continues, while preparations are made to increase exports

- 31.12.2019 – The Leviathan gas field began production. As a result, Israel's energy production capacity significantly exceeds domestic demand.
- 2020 – a historic year – for the first time since its establishment, Israel has become an energy exporter, with significant gas exports to Egypt and Jordan.
- In 2022 – with the completion of the Karish-Tanin project, Israel's energy production capacity will far exceed domestic market needs. Natural gas export will become the main growth engine.



# Recent Developments in Israel

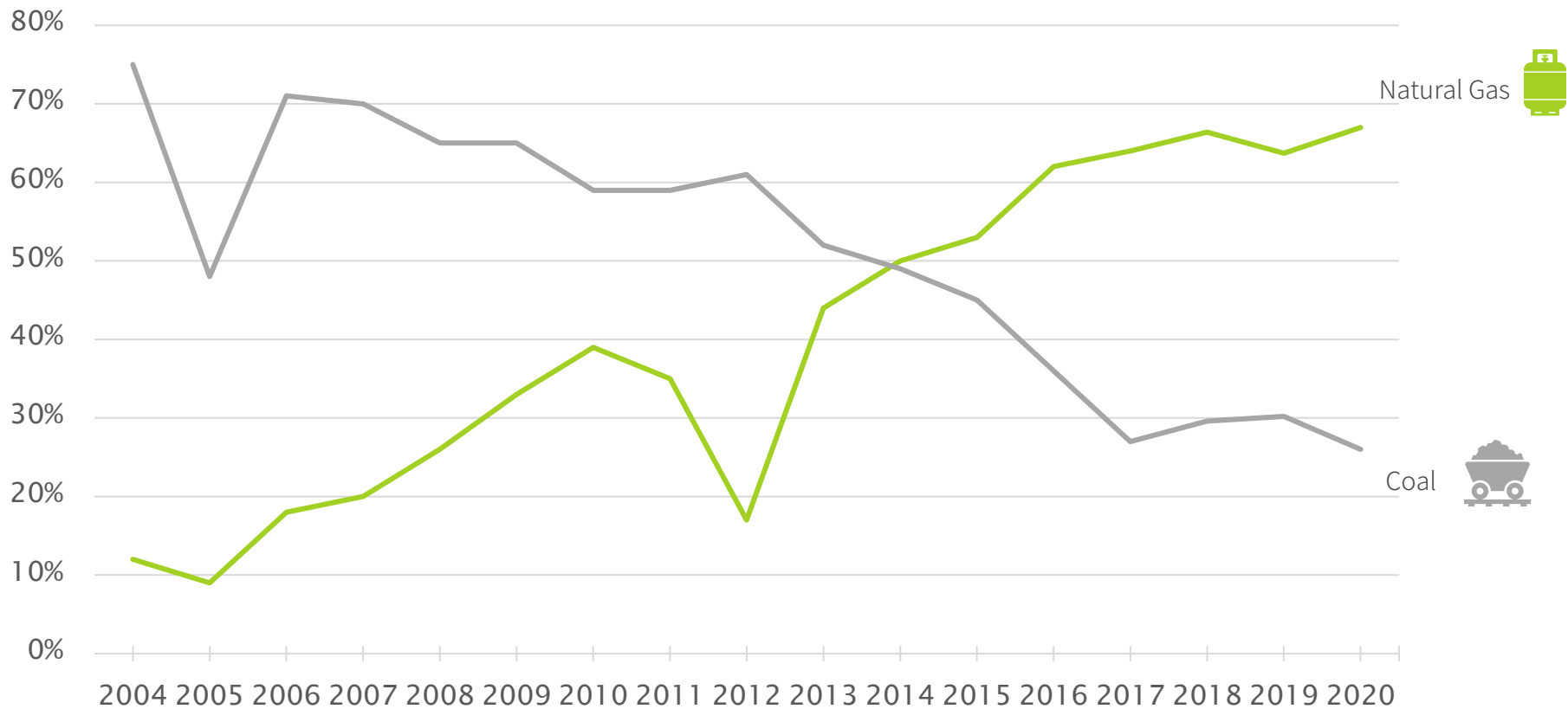
Transition to NG continues, while preparations are made to increase exports

- The goal for 2025 – Power generation in Israel will be from two sources only – NG and renewables (mostly PV):
  - 2025: 83% NG, 17% renewables
  - 2030: 70% NG, 30% renewables
- Development of export-supporting infrastructures
- Egyptian gas hub is underway



# Natural Gas Share of Power Generation

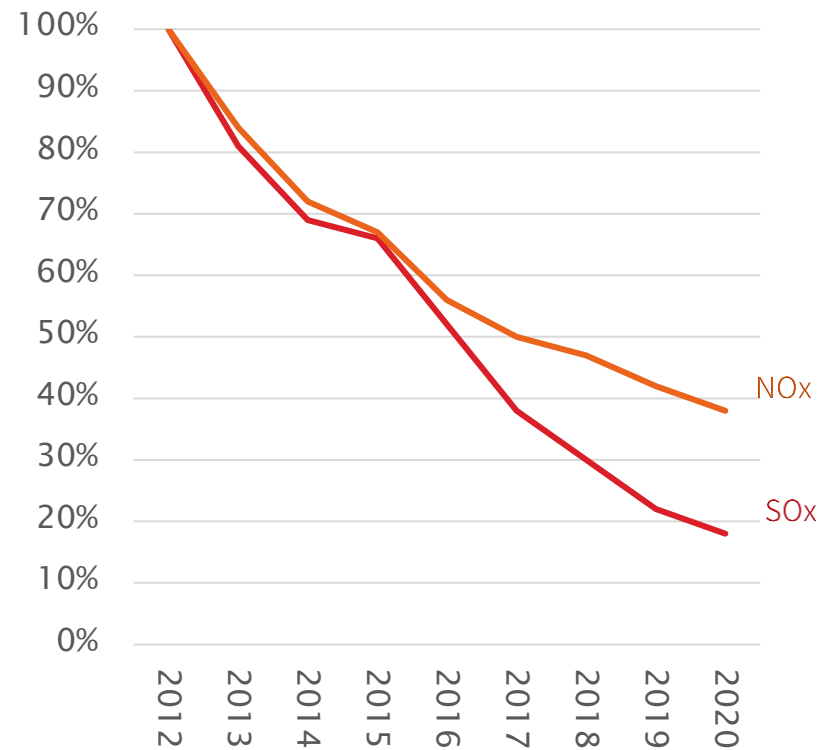
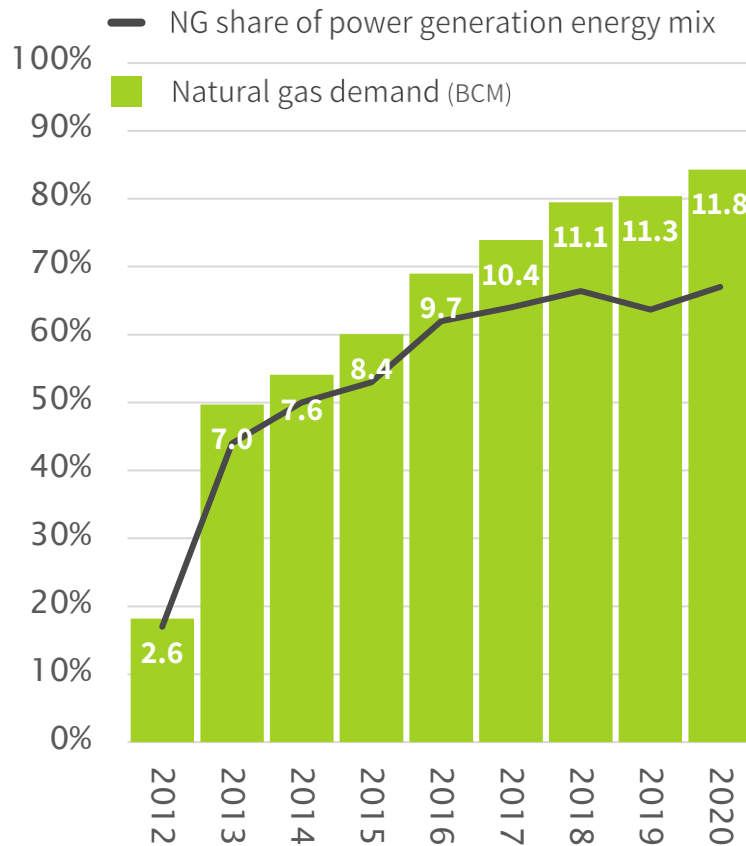
## 2020 - 67%



Source: The Electricity Authority, BDO

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

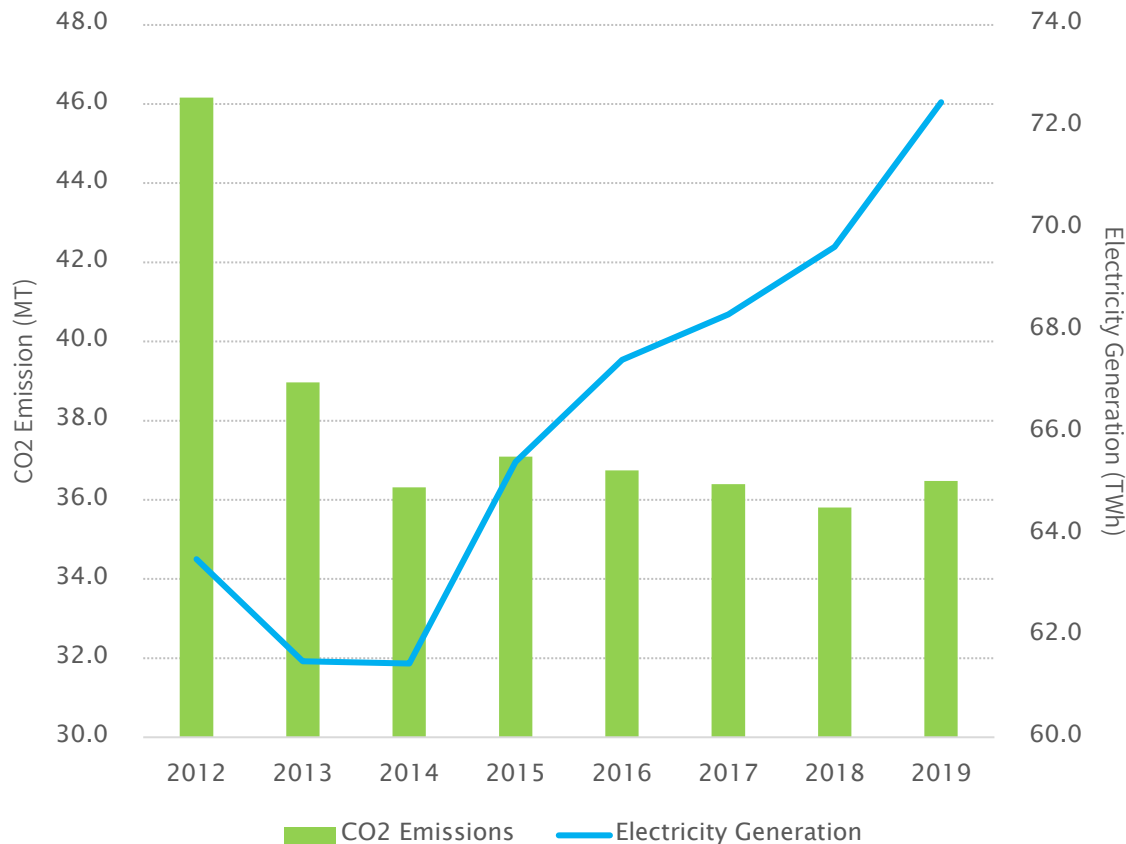
SOx emissions fell by 82% while NOx emissions dropped by 62%



Source: Ministry of National Infrastructure, Energy and Water Resources;  
Ministry of Environmental Protection (PRTR)

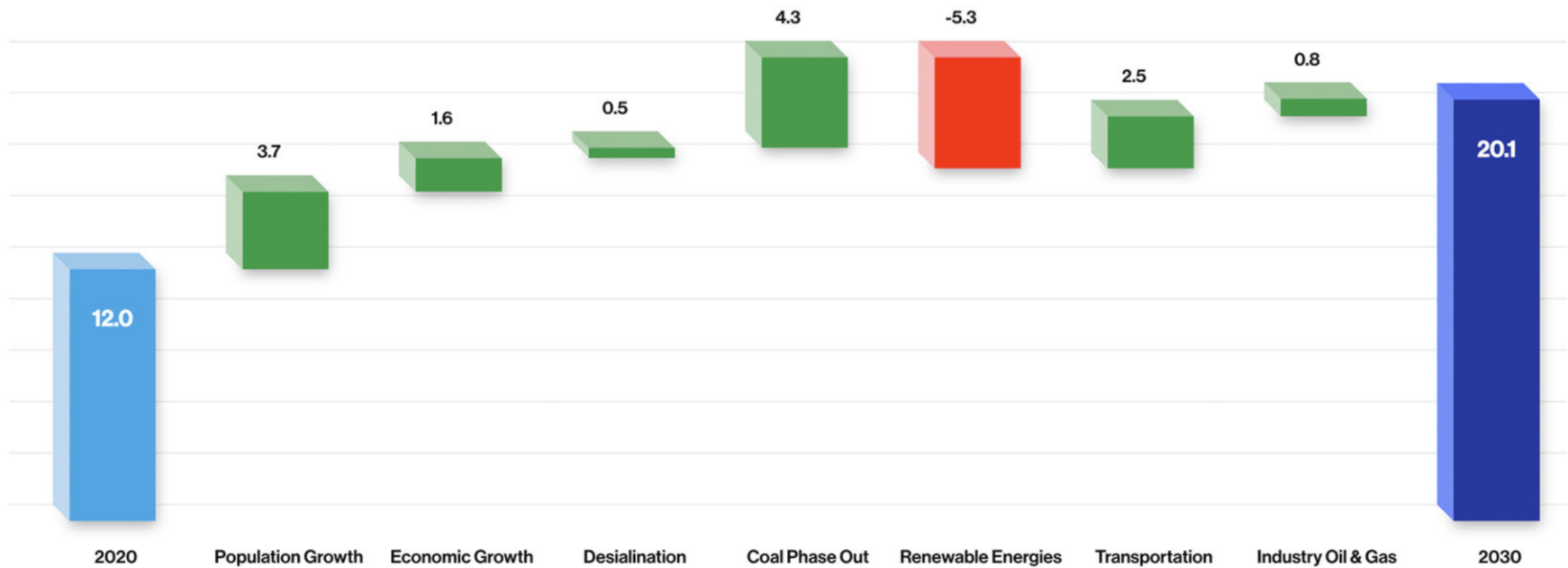
# CO2 Emissions from Power Generation

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



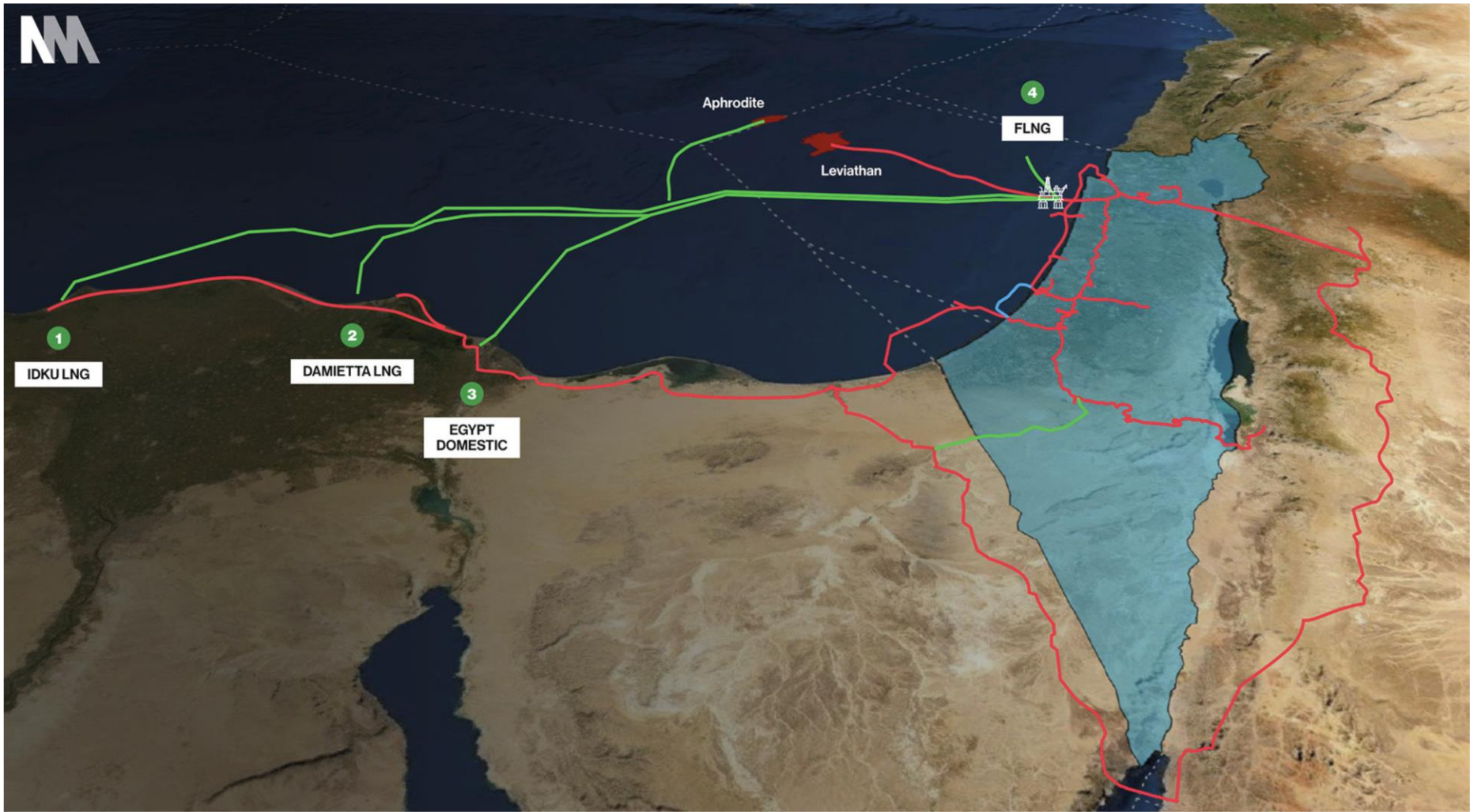
- CO2 emission reduction in Israel is one of the steepest in the OECD
- Discontinued use of coal and the transition to Natural Gas, will result 10 MT emission reduction annually
- 10 MT emission is equivalent to the CO2 emissions of 2/3 of the Israeli transportation sector
- 80% of the reduction of CO2 emissions across industries in 2018-2019 - is the result of the transition of coal to Natural gas (According the ministry of environmental protection's publications).

# Demand & Supply



Source: Ministry of National Infrastructure, Energy and Water Resources





Source: New Med Energy

# Export Option

Overview of gas assets in the East Med



**More than 70 TCF**  
of gas discovered in  
the past 9 years in  
the East Med

**75 TCF**  
of gas (in place)  
may yet to be found  
in Israel's EEZ

# Thank You!

---

Amir Foster, Executive Director  
The Association of Oil and Gas Exploration Industries  
in Israel  
Mail: [amir@israeloilandgas.org.il](mailto:amir@israeloilandgas.org.il)