

Israel Biennial Update Report

Facilitative Sharing of Views

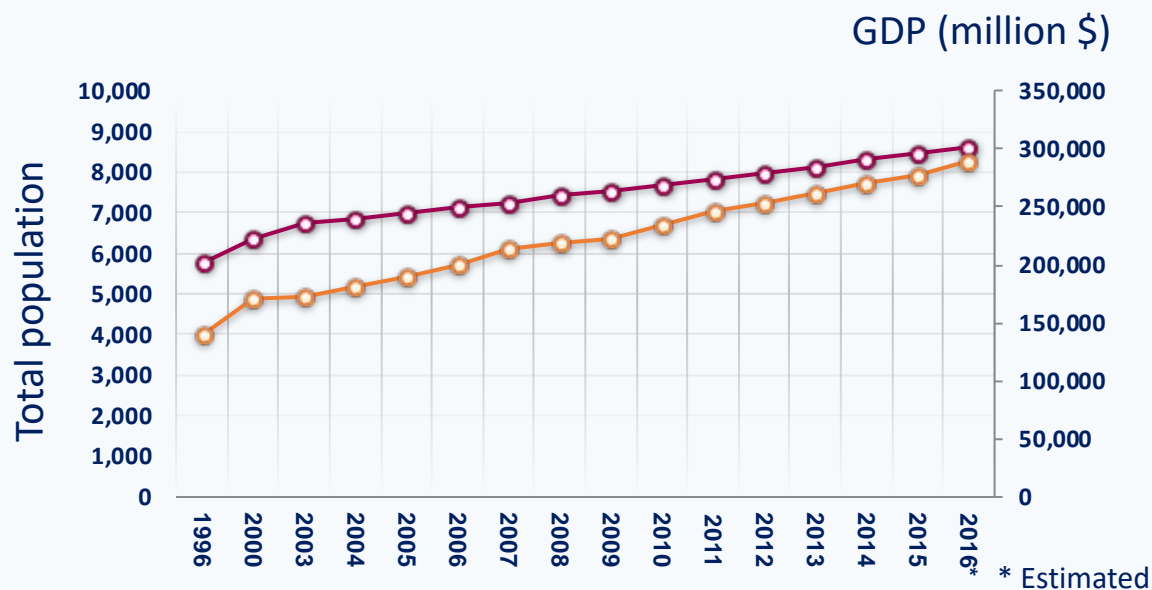


Israel Ministry of Environmental Protection
May 15, 2017

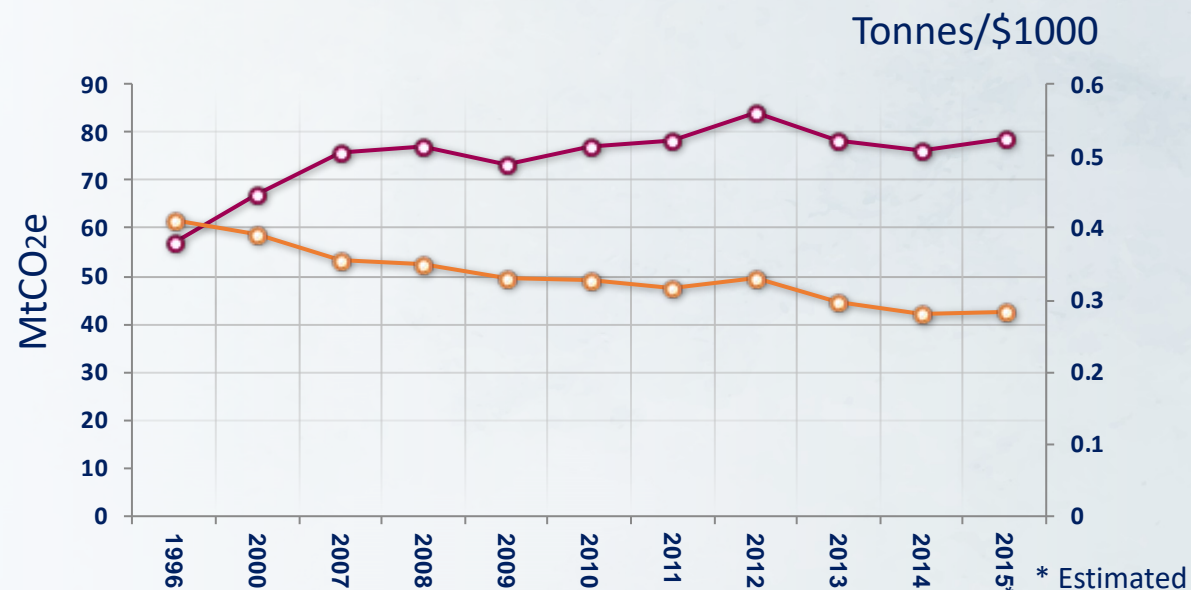


High Economic and Population Growth Coupled with Reduced Emissions Intensity

Trends in Population and Real GDP



GHG Emissions Trends



—○—
Total population
end of year

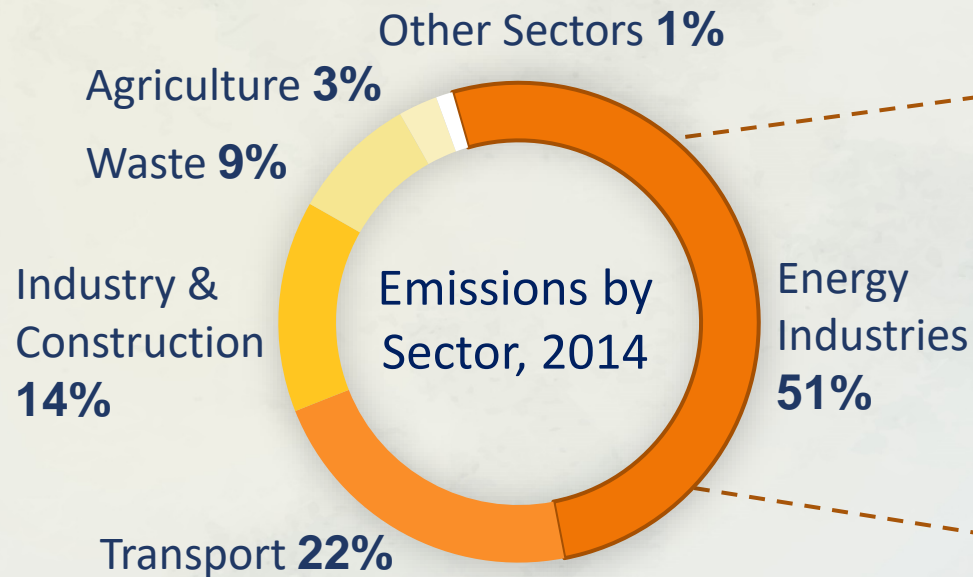
—○—
GDP million \$
(2010)

—○—
MtCO₂e

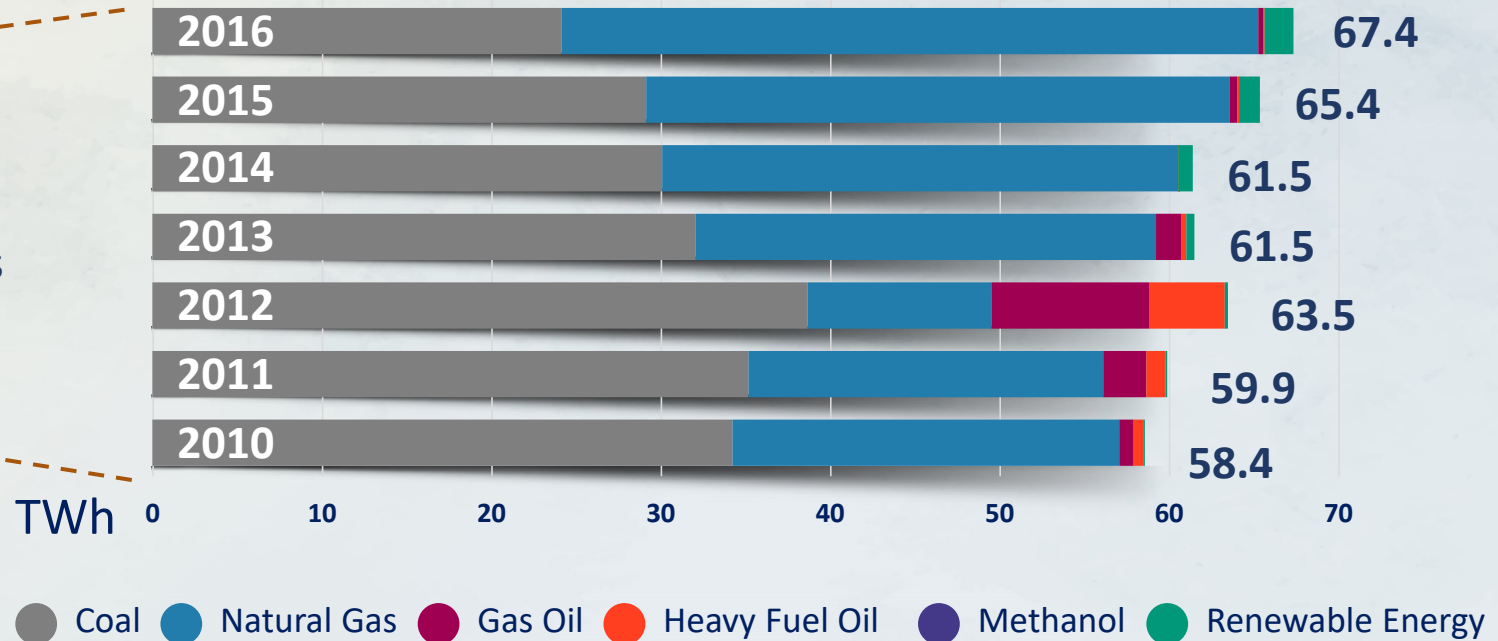
—○—
GHG per GDP



Increased Power Generation, Decreased GHG Emissions Intensity



Electricity Generation by Fuel



Policy Framework

- Ministry of Environmental Protection heads an interministerial committee on climate change
- Mitigation targets and implementation plan approved by government decisions in 2015 and 2016
- Targets based on assessment of approx. 100 market-wide and sector-specific abatement measures
- Modelling of abatement scenarios until targets selected
- National MRV system established



Mitigation Targets

Further Reducing Emissions Intensity

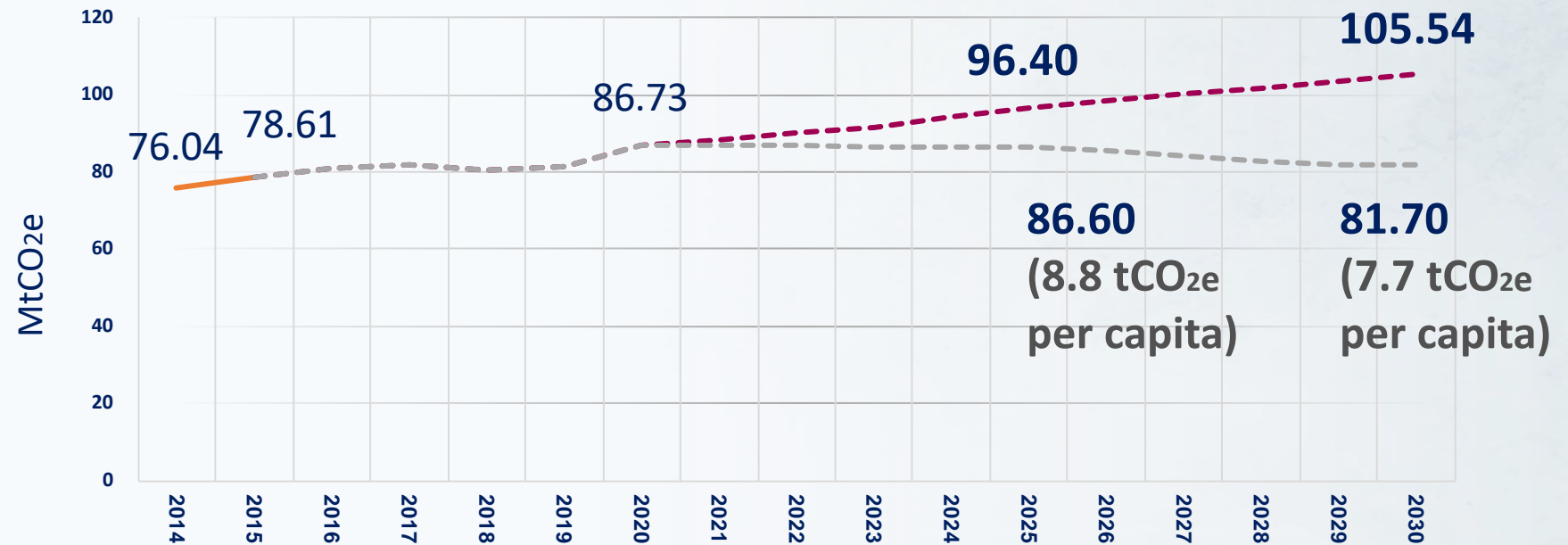
BAU and Achieving National Targets Scenarios

SECTORIAL TARGETS

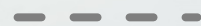
17% Renewable generation

17% Energy efficiency

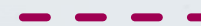
20% Reduction in vehicle mileage



Israel Ministry of
Environmental Protection



Mitigation Scenario



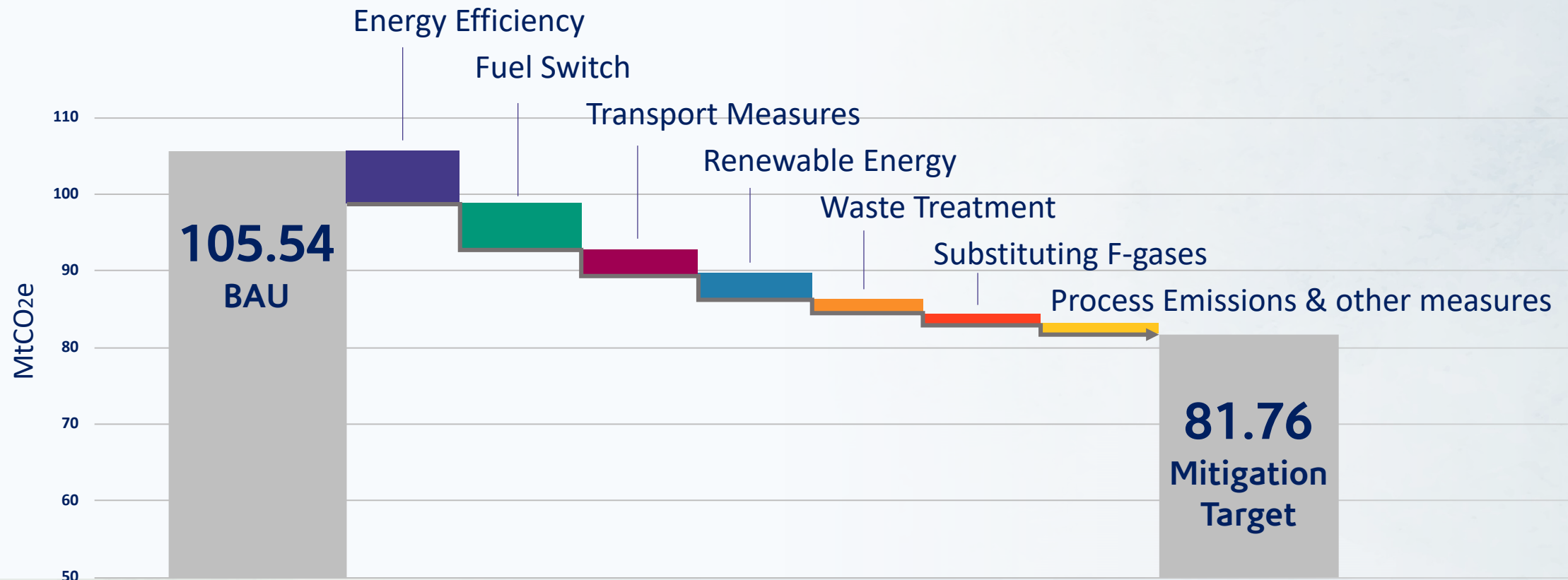
BAU Scenario



National GHG Inventory

National Mitigation Plan

Key Abatement Measures (2030)



Implementation Measures

Examples

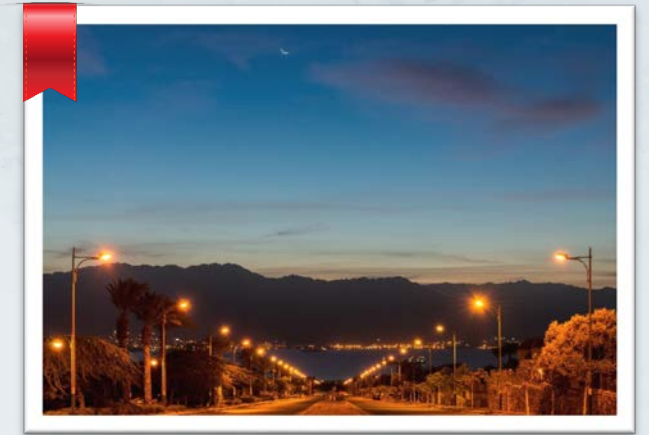
Closing 1/3 of coal-generation capacity



Initiating market-based competitive tenders for renewable energy



Promoting energy efficiency in low socio-economic communities



National Adaptation Plan

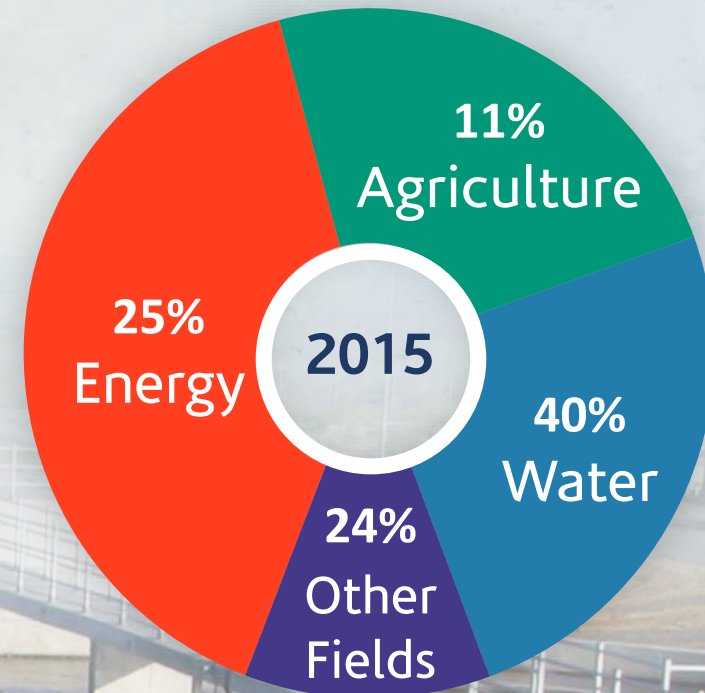
National Adaptation Plan prepared - based on "no regret scenarios." Targets include:

- Reducing damage to life and property
- Increasing ecosystem resilience
- Developing a scientific database for decision making
- Promoting education and awareness
- Advancing regional and global cooperation

Israel's Cleantech - Bridging the Technology Gap

- 738 cleantech companies in Israel in 2015
- Hi-tech integrated into cleantech to provide innovative solutions
- Public-private partnerships lead the investment in R&D

Cleantech Companies
by Field, 2015



Measuring, Reporting and Verification (MRV)

- Comprehensive coverage of market-wide and sector-specific abatement measures
- Methodologies based on international standards and best practices
- Multi-phase quality assurance and third party validation
- Continuous improvement



Experience and Lessons Learned from ICA Process

- Better defining the scope for future reporting
- Enhancing inter-ministerial cooperation on climate change reporting
- Focusing areas for capacity building
 - Preparing Israel's national inventory report
 - Enhancing institutional arrangements for GHG reporting
 - Identifying and closing knowledge gaps on mitigation alternatives (including the transition from HFCs)



Thank You

