Ministry of Environment Republic of Lithuania

Lithuania's Multilateral Assessment

SBI 59 session, 5th December 2023, Dubai

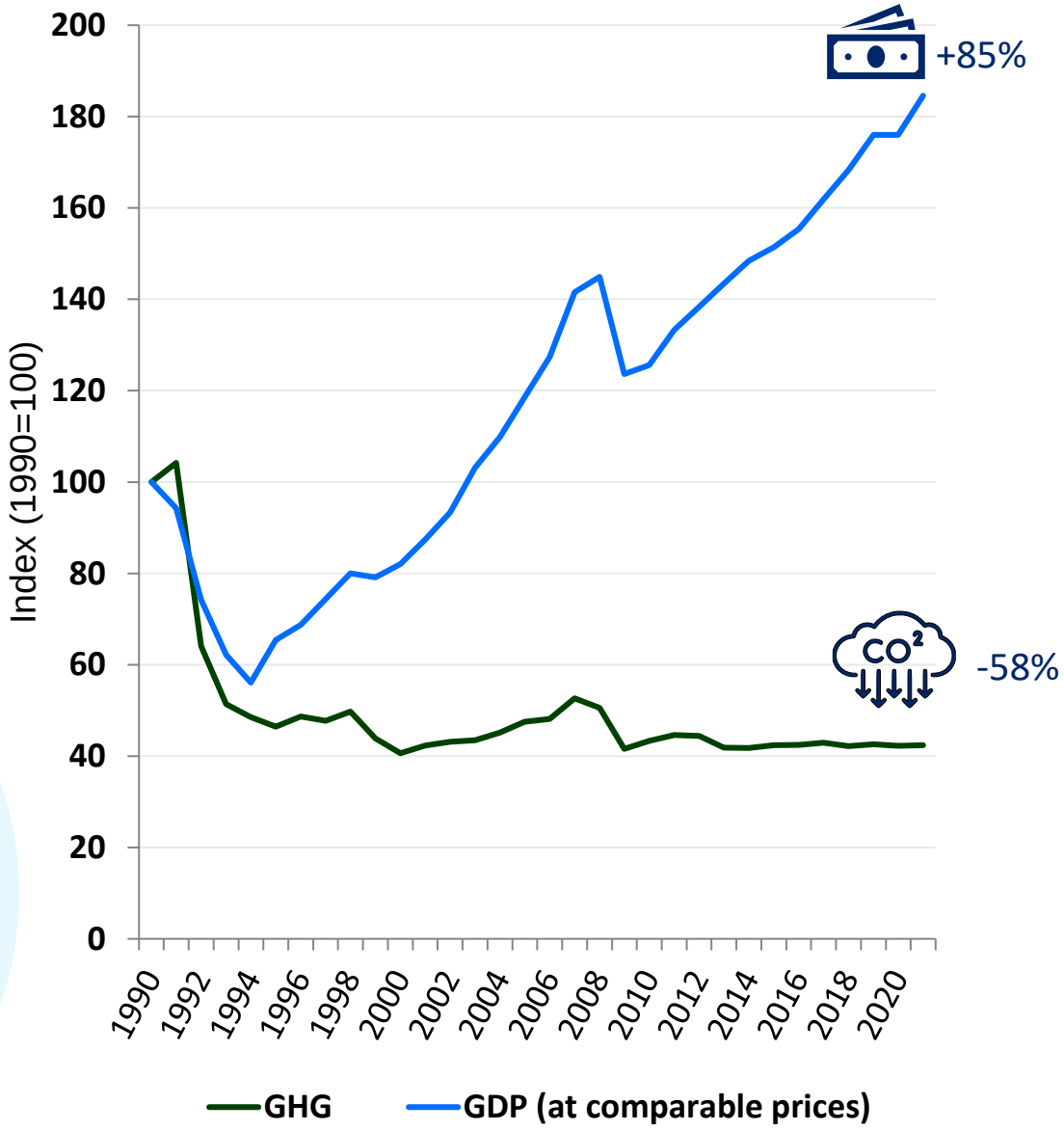
National circumstances

Baltic State
Area: 65 302 km^2

2,78 million
inhabitants (2021)

GDP (2021)
16 355 €/capita

20,25 M t CO_2 eq
7,3 t CO_2 eq
GHG/capita (2021)



Lithuania is **on track to meet its 2030 targets**, and in 2013–2020 **overachieved** in the non-ETS sectors GHG reduction target

Under EU 2020 Climate and Energy Package target is split in two:

2020
-20 % compared to 1990

EU ETS
-21 %
compared to 2005

Non-ETS
-10 %
compared to 2005

Lithuania's target
+15
compared to 2005

Lithuania under Kyoto Protocol Doha Amendment jointly with the EU was committed **to reduce emissions by 20 %** compared to 1990

The EU has substantially overachieved its 2020 reduction target - emissions in 2020 **decreased by 34 %** compared to 1990

Lithuania's commitments until 2020/2030 and their implementation

Targets		2020 targets	Implementation in 2020	2030 targets
EU	GHG reduction **compared to 1990**	-20 %	-34 % (-58 % LT)	>-55 %
	GHG reduction in ETS sector **compared to 2005**	-21 %	-48,4 % (-37 % LT)	-62 %
LT	GHG reduction in non ETS sector **compared to 2005**	+15 %	+11 %	-21 % ESR -25 % (NCCMA*)
	RES use in **final** energy consumption	23 %	27,36 %	50 %
	RES use in **transport**	10 %	5,5 %	15 %
	Increase of Energy Efficiency	11,67 TWh	12,962 TWh (111 %)	23,3 TWh

** NCCMA – National Climate Change Management Agenda*

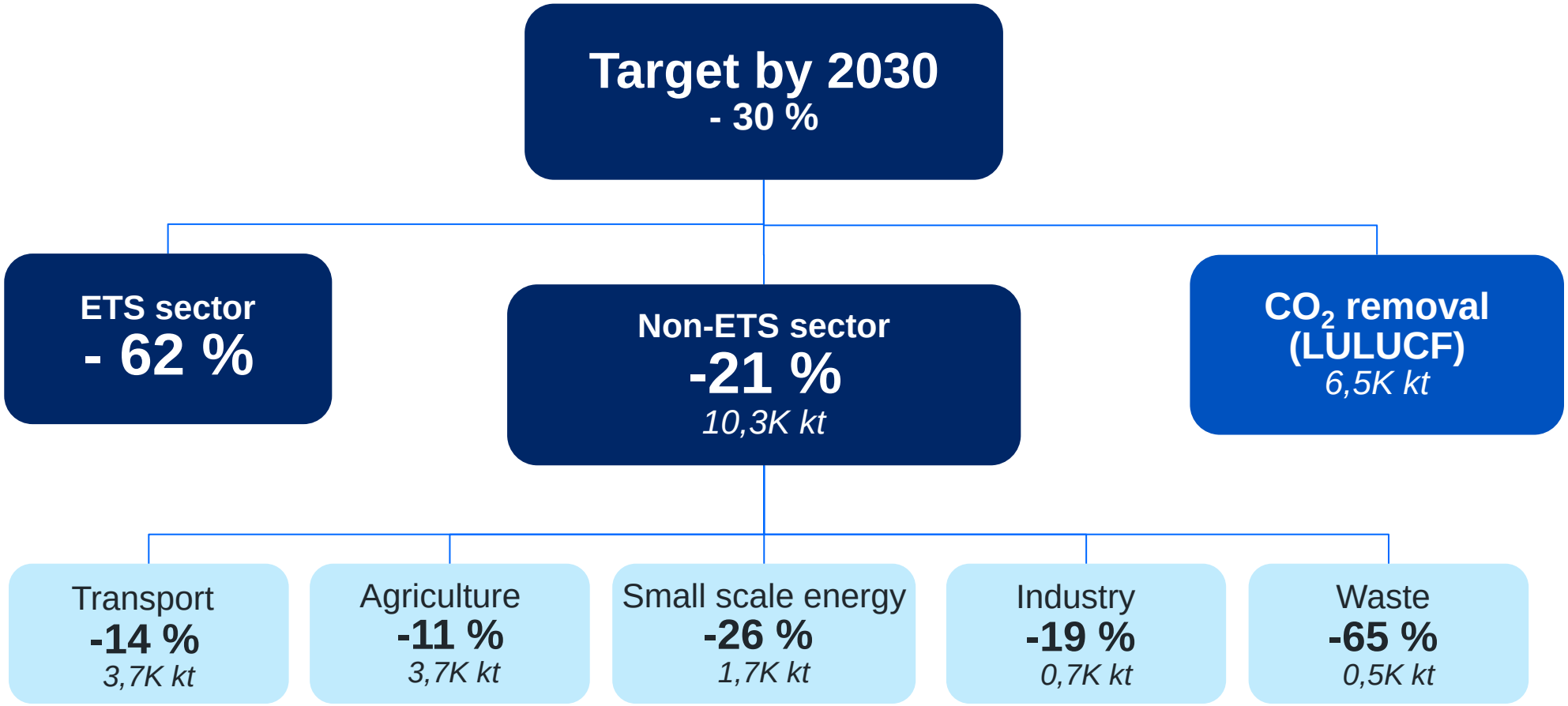
Adopted National Climate Change Management Agenda

Setting national targets for a 30 % GHG emissions reduction by 2030, compared to 2005, and for achieving a climate-neutral economy by 2050, as well as specific deadlines for fossil fuel phasing-out in individual sectors of economy

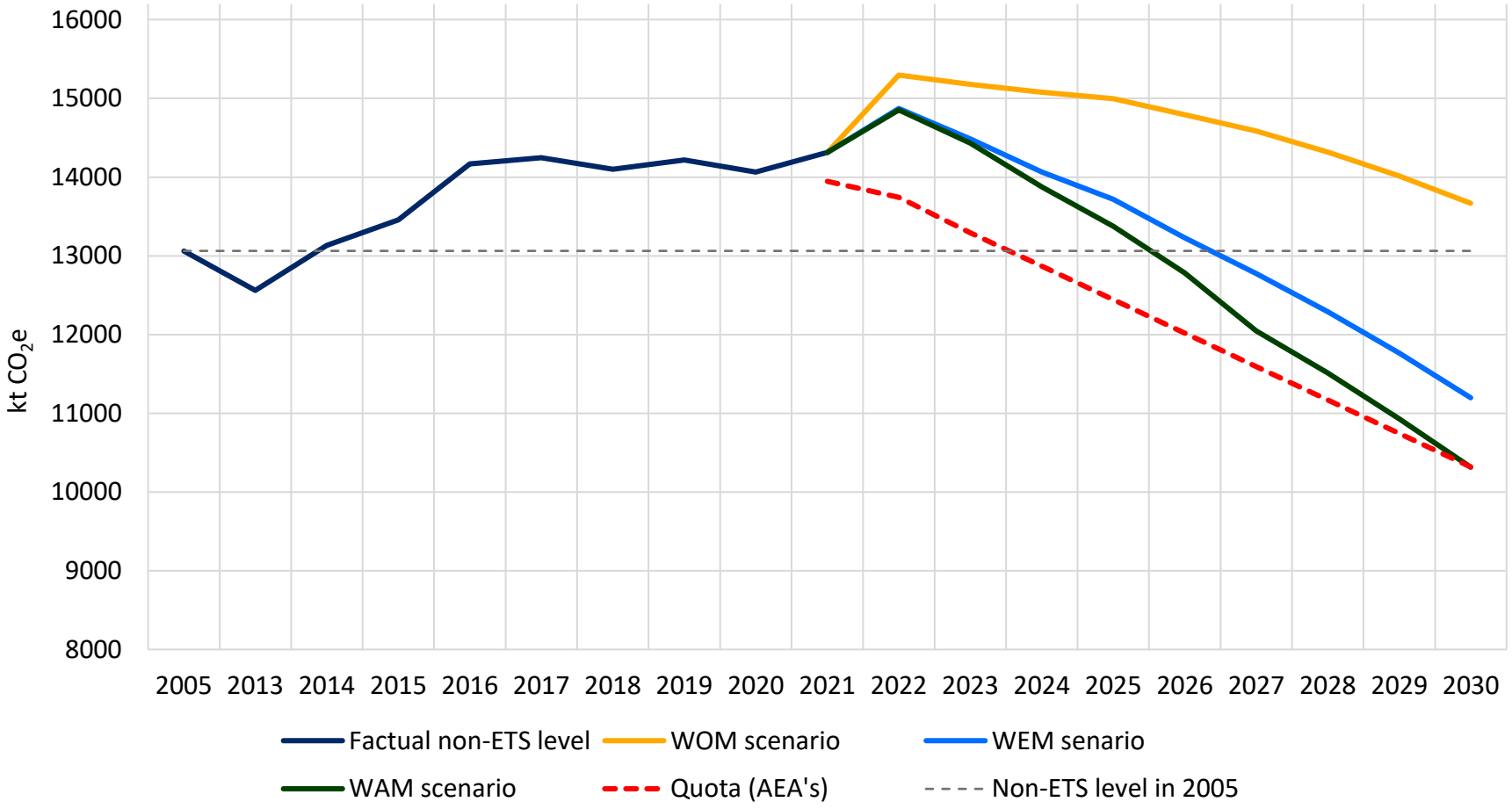
Updated National Energy and Climate Action Plan

Update the National Energy and Climate Action Plan (NECP) till 2030 with the most efficient and cost-effective measures of GHG emission reduction across all sectors of economy

National Climate Change Management Agenda sets sectorial GHG targets comparing to 2005

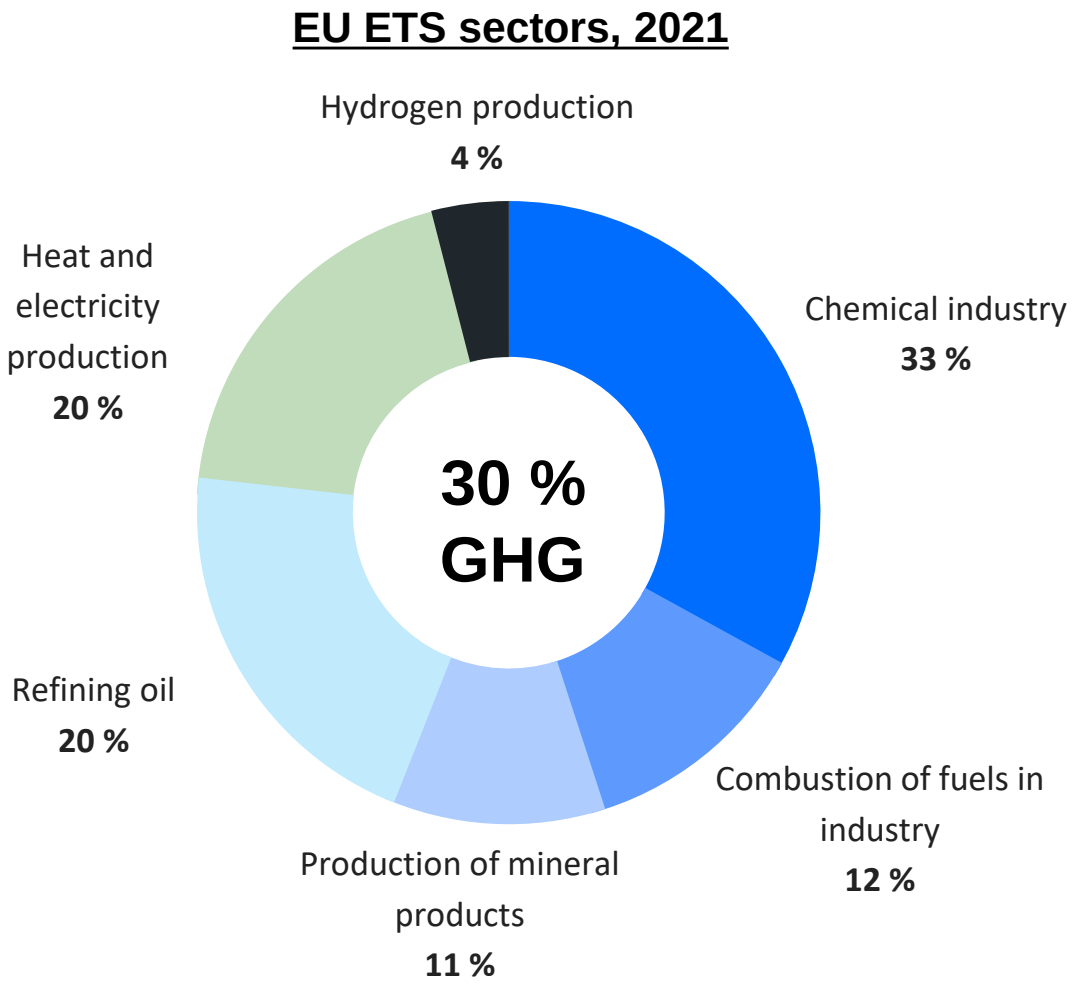


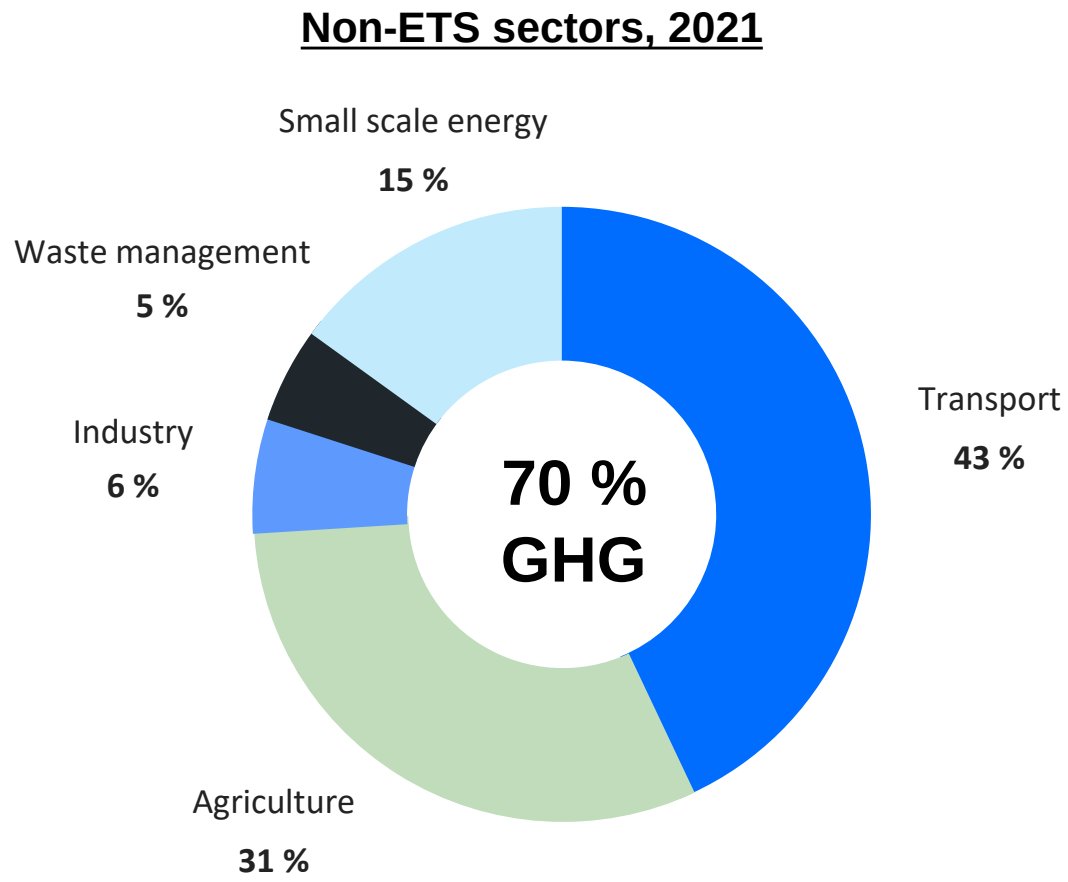
Integrated projections of GHG and energy measures



LITHUANIA WILL REACH ITS GHG 2030 NON-ETS TARGETS **WITH ADDITIONAL MEASURES (NECP)**

How is the GHG share distributed across sectors?





A comprehensive policy mix for all major sectors

Transport, Industry, Energy and Agriculture and Forestry

Economic measures

- Carbon pricing from 2025 (Excise Duty Law)
- Emission Trading System (ETS)
- Subsidies for EVs, RES, EE
- Green hydrogen production
- Biomethane production promotion
- Increasing forest cover (to reach 35% by 2024)

Regulatory measures

- Regulating wind turbines (eliminating subjective assessment)
- Green Energy Breakthrough Package (to accelerate RES)
- Energy efficiency targets
- Alternative Fuel Law
- Taxonomy for sustainable investments and activities
- Phase out of fossil fuel subsidies (Excise Duty Law)

RES ambition by 2030

100 % of today‘s electricity demand and 70 % in total energy demand in Lithuania will be covered

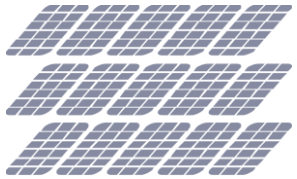
Total installed RES capacity 9,4 GW 2030

Off-shore wind farms

1,4 GW 2030

On-shore wind

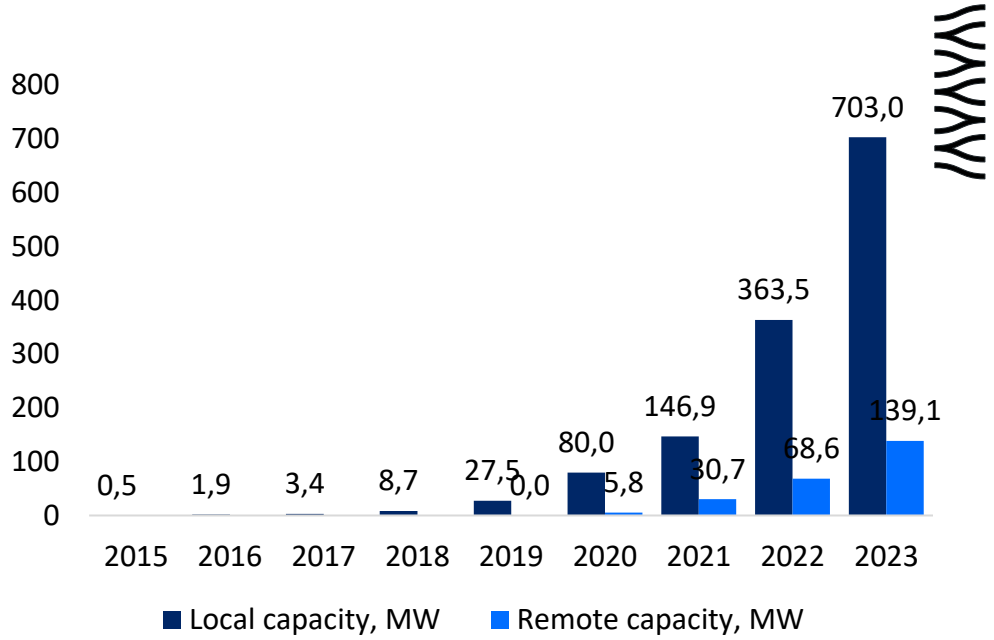
3,6 GW 2030

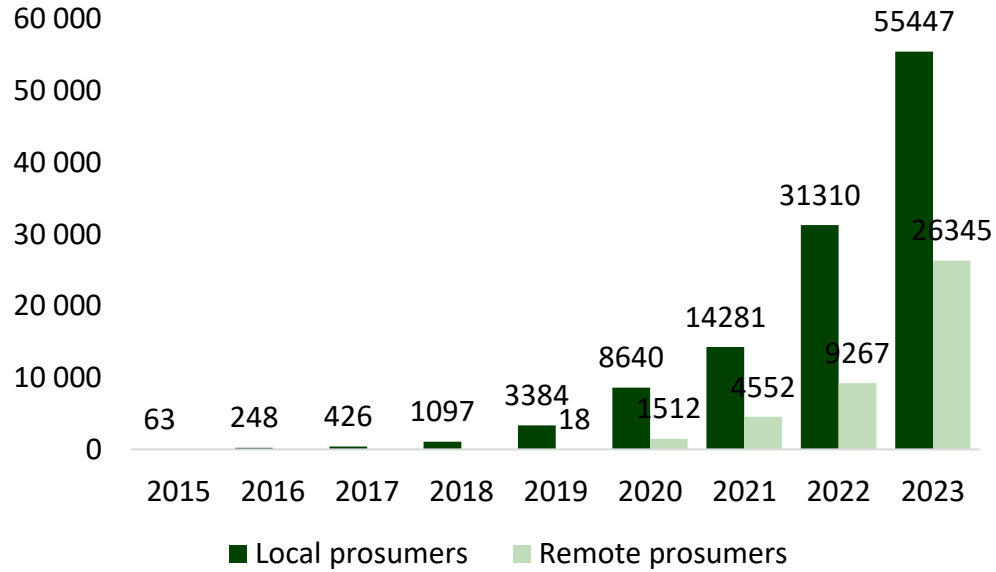


Solar power plants

4,4 GW 2030

Absolutely new energy source in Lithuania
Starts operation in 2028





Energy efficiency by 2030

51,2 TWh
final energy consumption

61,0 TWh
primary energy consumption

39,3 TWh
cumulative energy savings

960 000 m²
refurbished area of local and central gov. buildings

Energy Efficiency targets 2030

Support
for multi-apartment buildings, private houses and small renovation

Promotion
of panel renovation

Support
for companies to increase EE

Support
for legal entities to renovate non-residential buildings

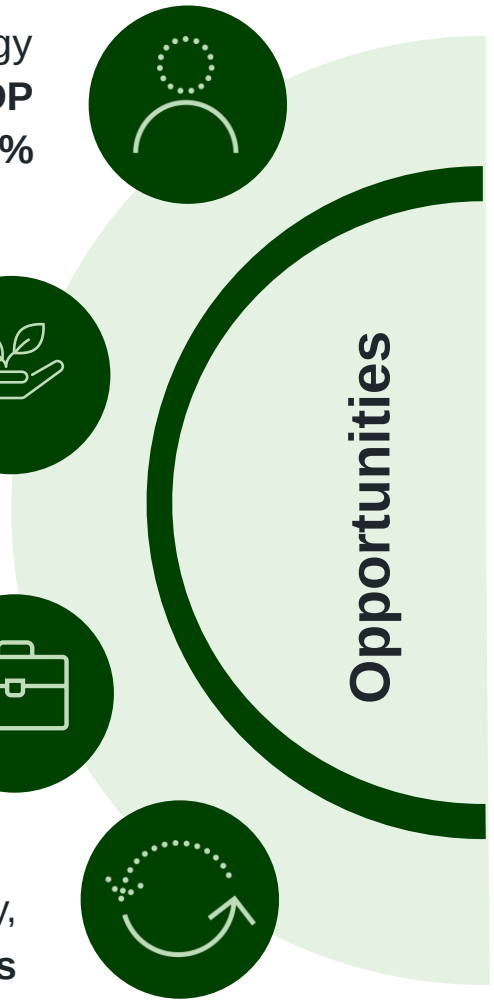
Green transition: opportunities and challenges

Achieving the climate and energy targets will boost Lithuania's **GDP by 2,23 %**

By implementing green projects, we will ensure **energy security and independence**

Over **23 600** jobs will be created by reaching climate and energy goals

By promoting circular economy, we will create **10 000 new jobs** by 2024



Decarbonisation of **transport and agriculture** sectors

Ensuring energy efficiency of **buildings**

Decarbonisation of the **cement, fertiliser sector**

Ensuring **social fair** and **just transition**

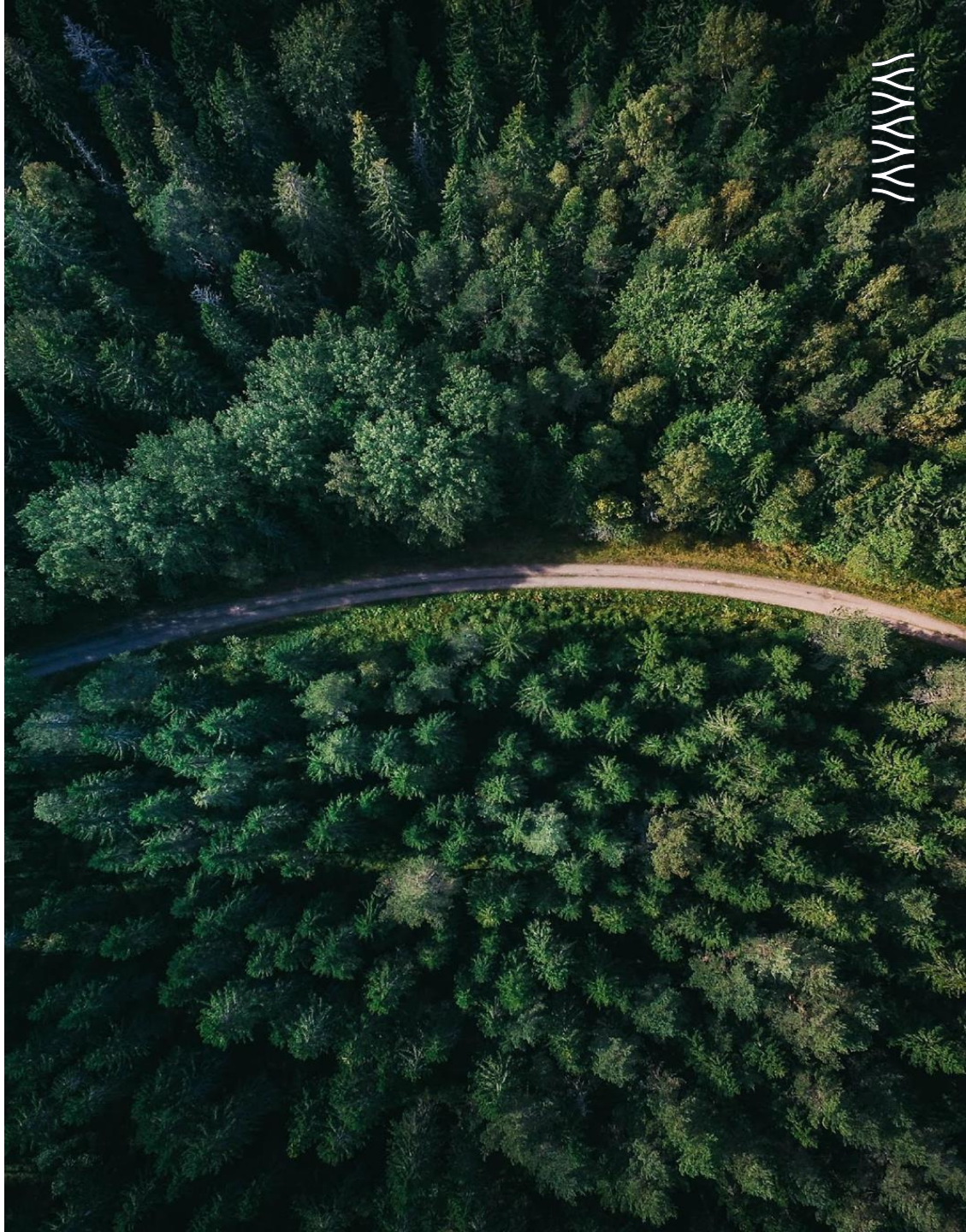
About **25 billion €** will be generated for a green transformation

13,8 billion €

is already planned from public and private funds

Planned public sources, mln. €*	
Source	**Amount**
Climate Change Programme	207,5
Modernisation fund	258
CAP (BŽŪP)	1195,8
RRF	870,3
EU (2014–2020)	1951,1
EU (2021–2027)	1865,5
Just Transition Fund	165,2
State budget	404,1
EU CEF	1167,1
Other	116,6
In total:	**8201,20**

** Preliminary calculations*



Experiences with the International Assessment and Review process

01

Enabling reporting improvements

02

Exchanging experiences and learning from other Parties

03

Promoting comparability of efforts among reviewed Parties

THANK YOU!