

Biomethane perspectives in Greece

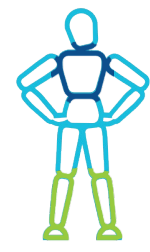
Athens, June 2024



Renewable Gases (1/2)

Legislative Framework

European energy policy



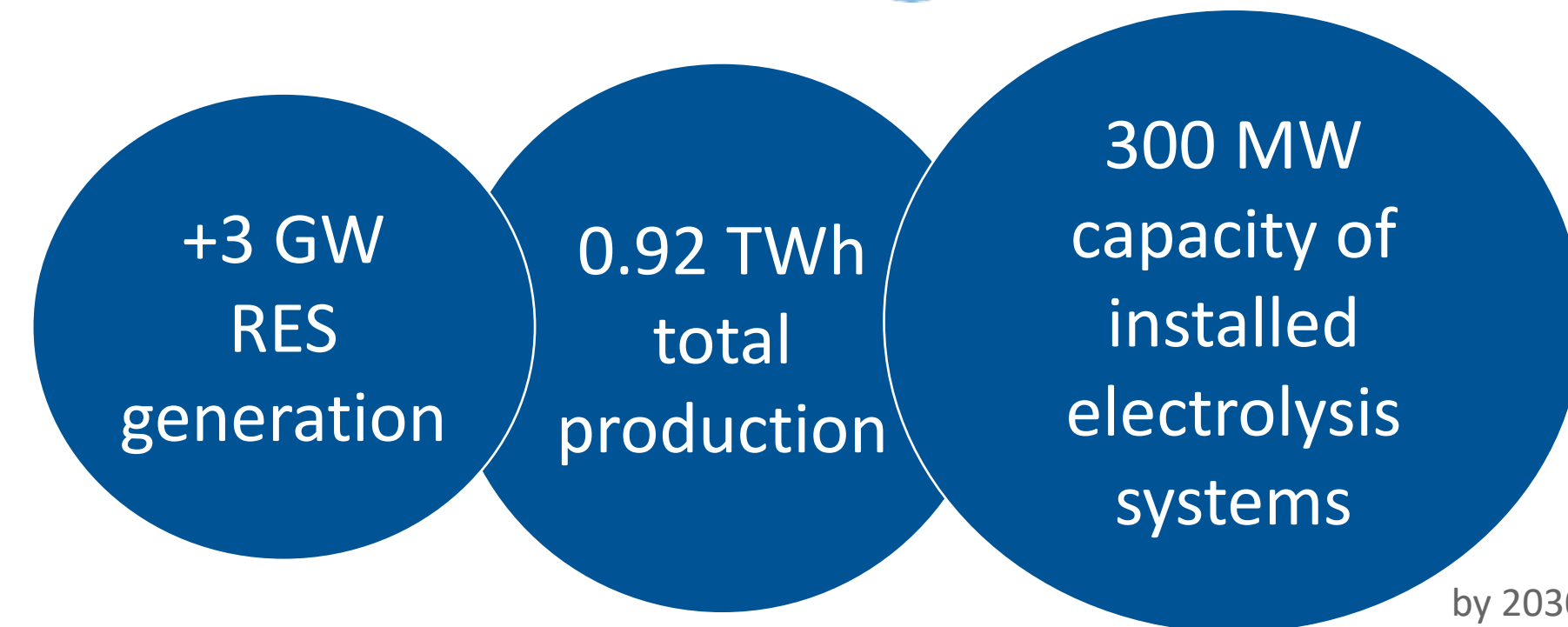
- European Green Deal set the path in 2019 to a green transition, towards climate neutrality by 2050
- Fit for 55 package, updating the EU targets for GHG emissions at 55% by 2030
- REPowerEU set in 2022 more ambitious RES targets and 35bcm biomethane by 2030 (not binding)



Greece – NECP



NECP	2030	2035	2040	2050
- Total consumption of biomethane (TWh)	2.1	3.3	4.5	9.7
- % blending biomethane with natural gas	10.8%	11.3%	15.4%	20.4%



Total consumption of green hydrogen is estimated at 63.6 TWh/year by 2050, but the largest share (about 70%) is estimated to be consumed to produce synthetic hydrocarbons for use in transport

Renewable Gases (2/2)

Next Steps

Regulatory framework for the development of the biomethane market in Greece

Legal Framework 01

Exploring strategies to increase investments and support for biomethane projects.

Investments 03

Incentives 02

- State incentives for
- biomethane tariff
 - operational subsidy
 - investment state aid

Good examples in building public acceptance of biomethane/biogas
Encouragement for biomethane pilot implementation

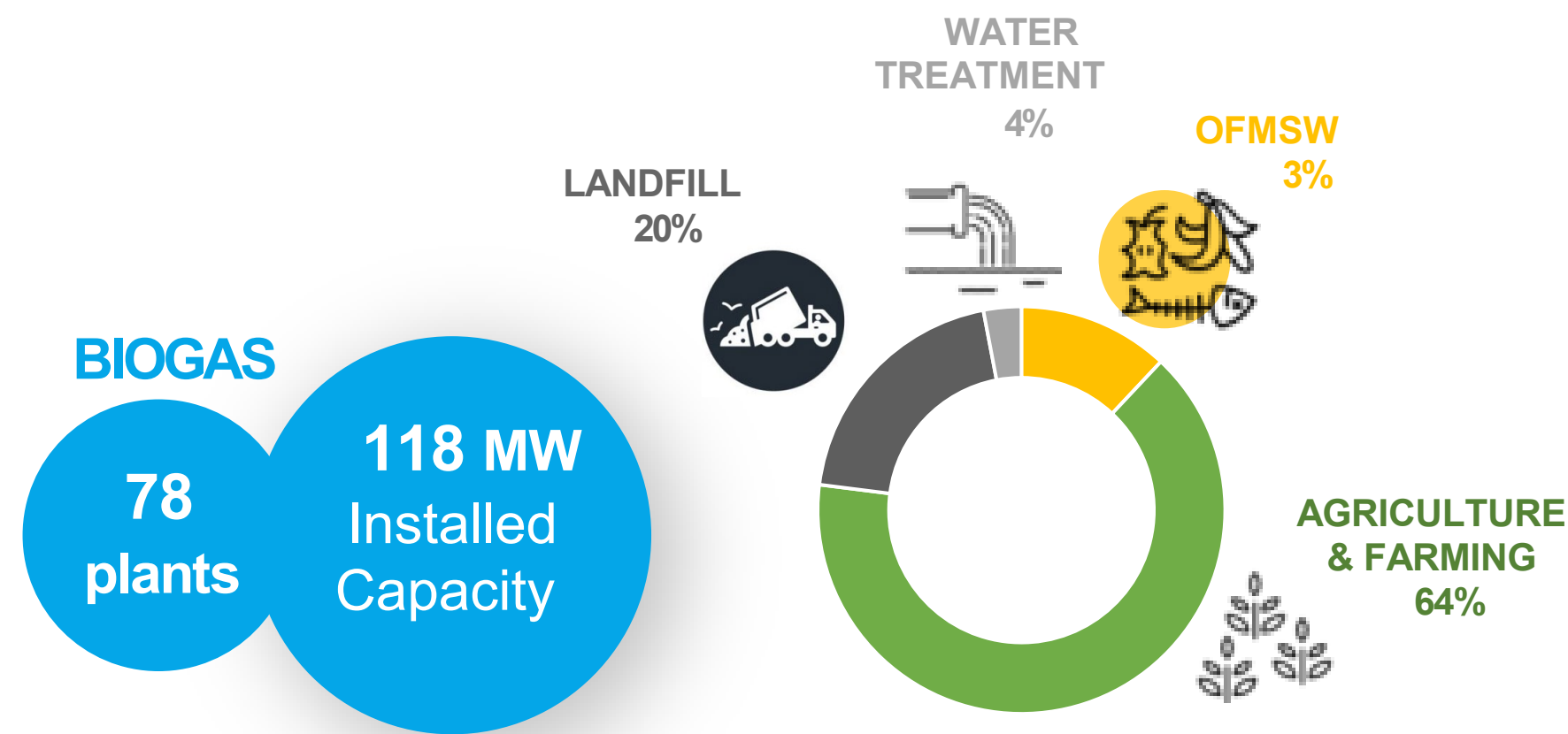
Acceptance & Implementation 05

Target for DSO 04

The target for the DSO networks is to invest 25mil€ connecting 38 biomethane plants, constructing approx. 200km of new network

Biogas And Possible Biomethane Production Greece (1/1)

As-Is analysis



High upgrading potential

- Current 584.1 GWh_e
- 600 GWh_{th} of biomethane production available if all biogas plants were upgraded

No data regarding the biomethane production

- In Greece there are,
- 64 biogas plants producing ~374.3 GWh_e electricity mainly from agriculture & farming waste
 - 3 plants producing 12,9 GWh_e primarily from organic waste and
 - 11 plants producing 196,9 GWh_e from water treatment and landfilled

ENAON's Targeted Approach (1/1)

Three main pillars of energy transition



sustainability

Our commitment is to integrate renewable gases, such as biomethane and green hydrogen, into our networks, bridging the gap between traditional and sustainable energy sources



carbon neutrality

Biomethane has the potential to replace fossil fuels and significantly reduce carbon emissions. By driving the widespread adoption of biomethane across various sectors, we contribute to the achievement of National & EU climate neutrality and reinforce energy security



become greener

With our established infrastructure, we provide a reliable and flexible energy supply to diverse customers. Together, we pave the way for a greener, more sustainable future.

Thank you!

Athens, June 2024

