



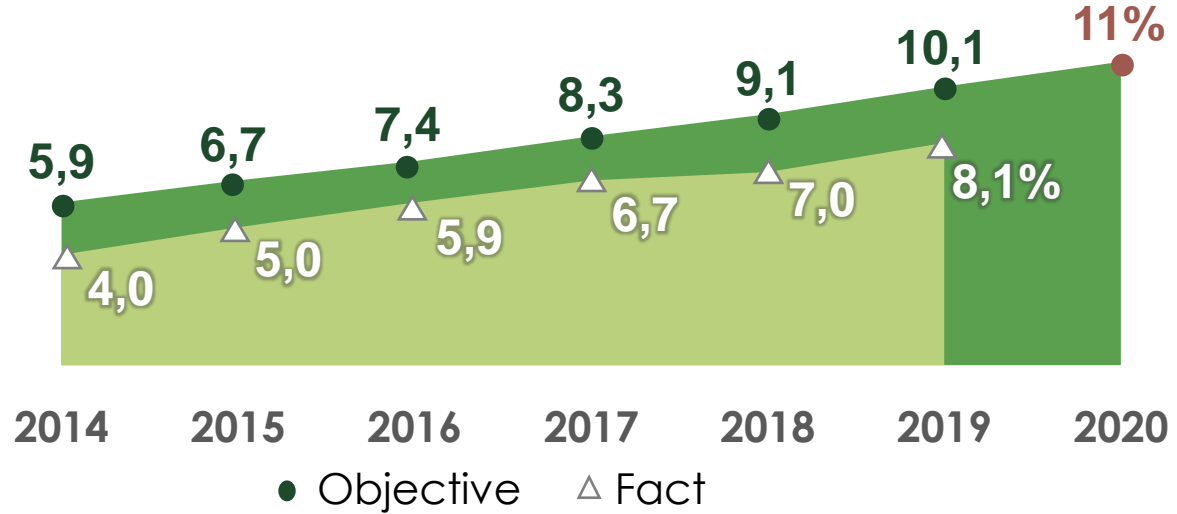
RENEWABLE ENERGY SUPPORT MECHANISMS

June 1, 2021

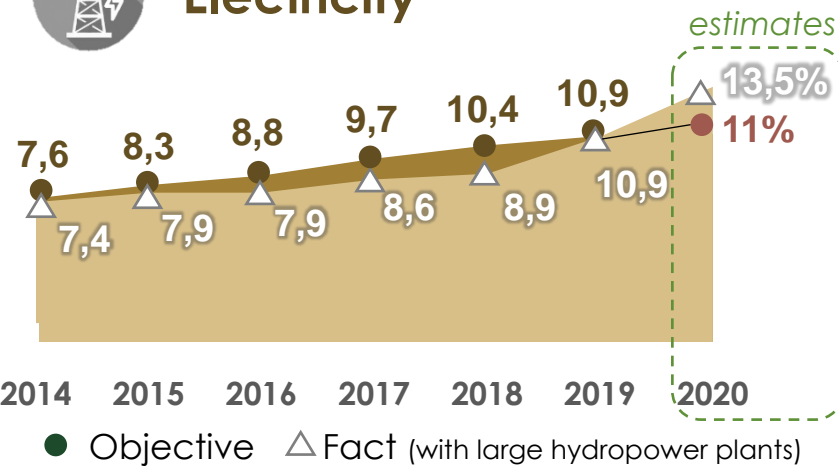
OBJECTIVES OF THE NATIONAL RENEWABLE ENERGY ACTION PLAN UNTIL 2020



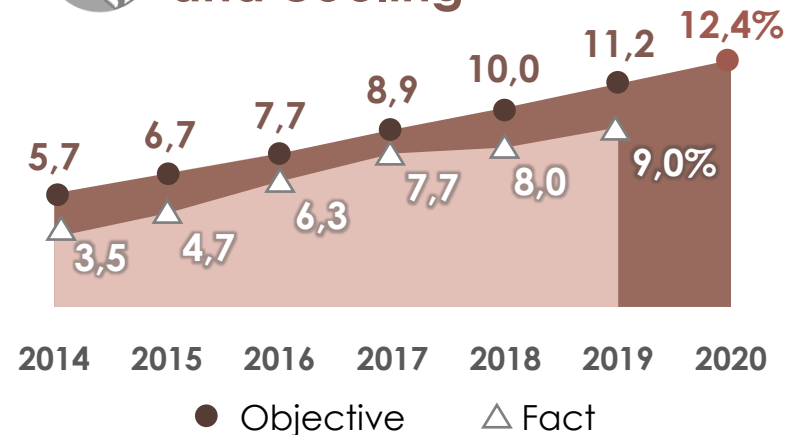
Total RES share



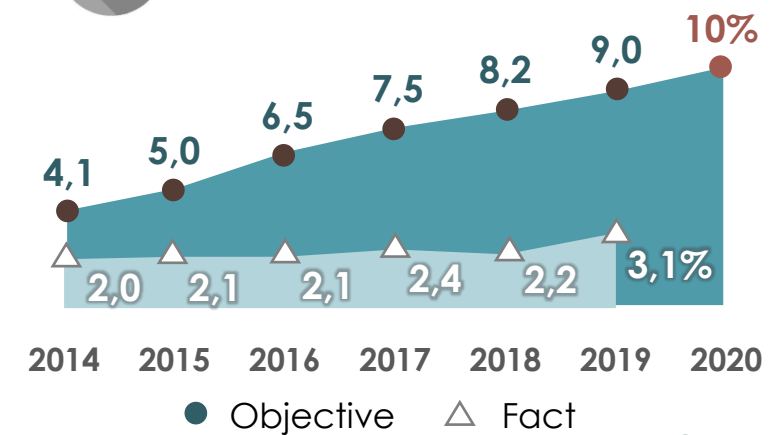
Electricity



Heating systems and cooling

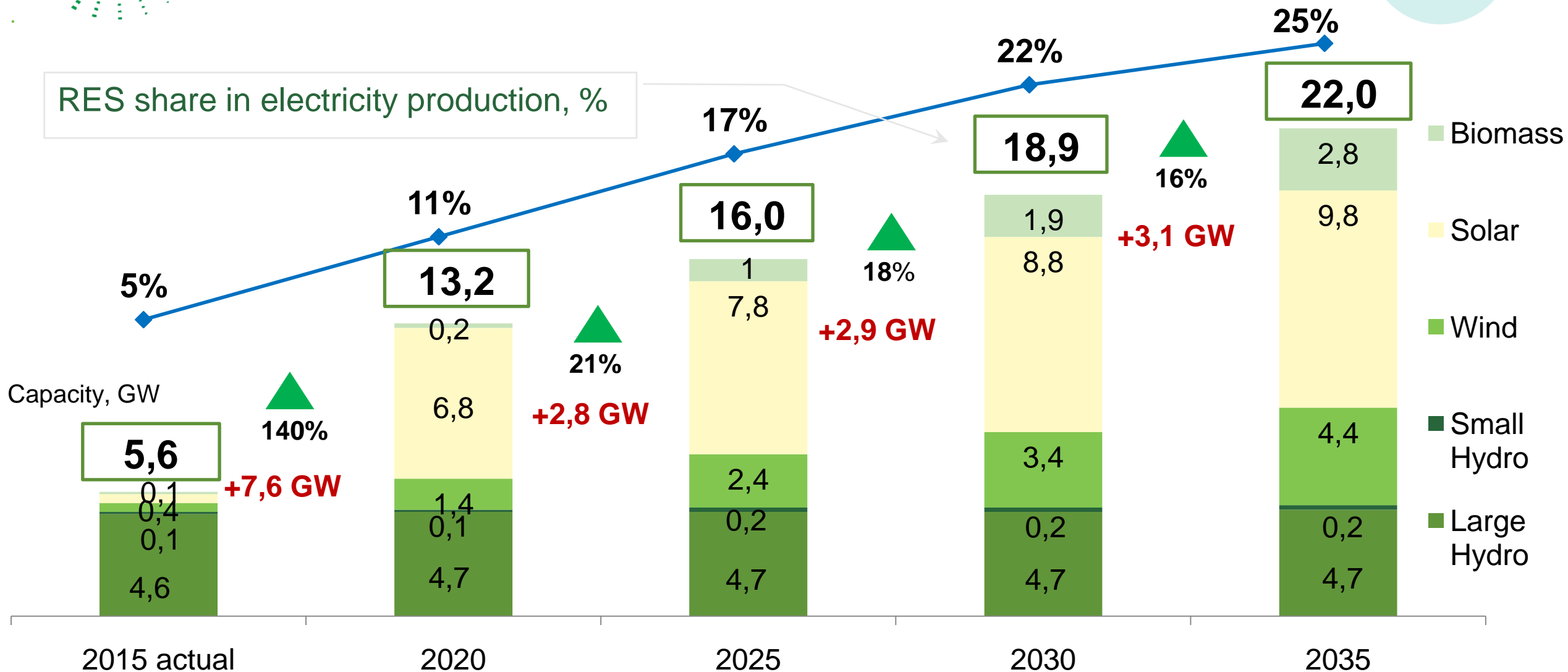


Transport





RENEWABLE POWER DEVELOPMENT BY 2035

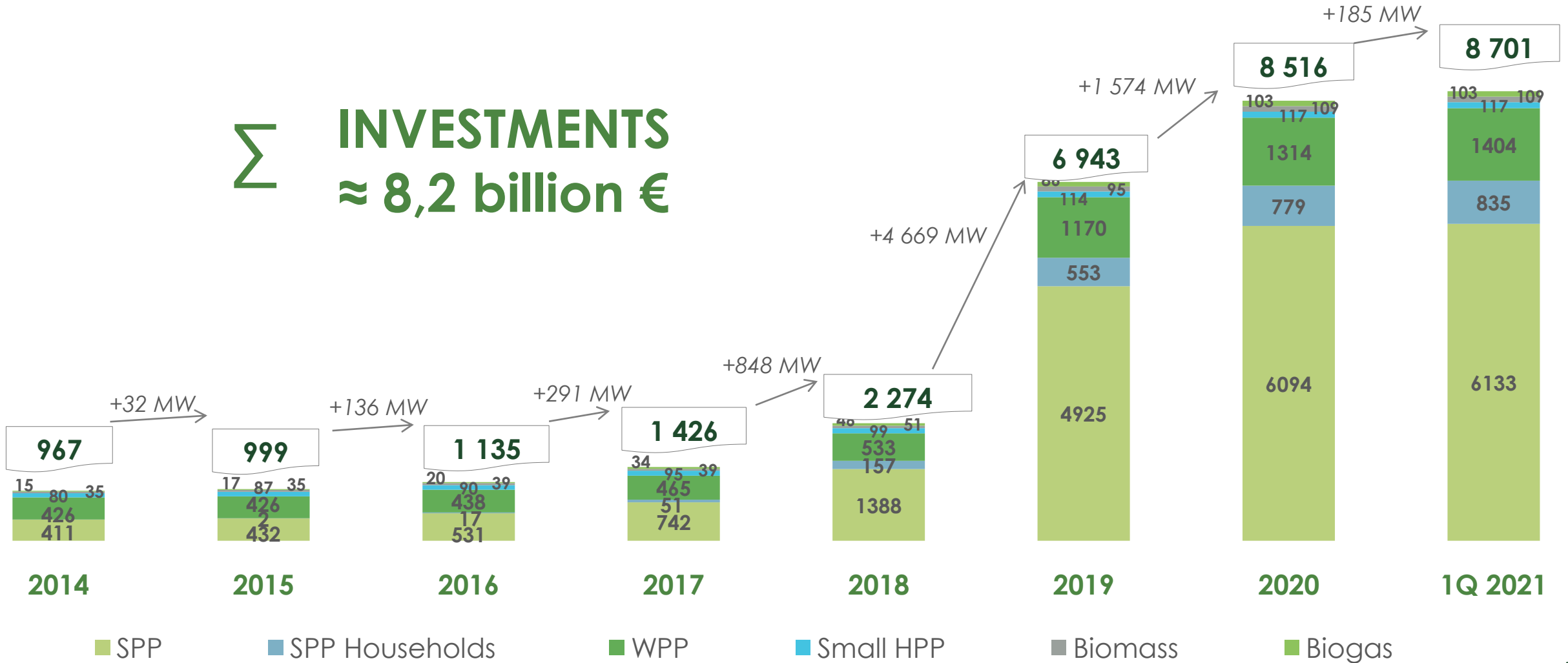




RENEWABLE POWER INSTALLED CAPACITIES, MW

(data as 01.04.2021)

Σ INVESTMENTS
≈ 8,2 billion €





DYNAMICS OF SOLAR INSTALLATIONS IN PRIVATE HOUSES

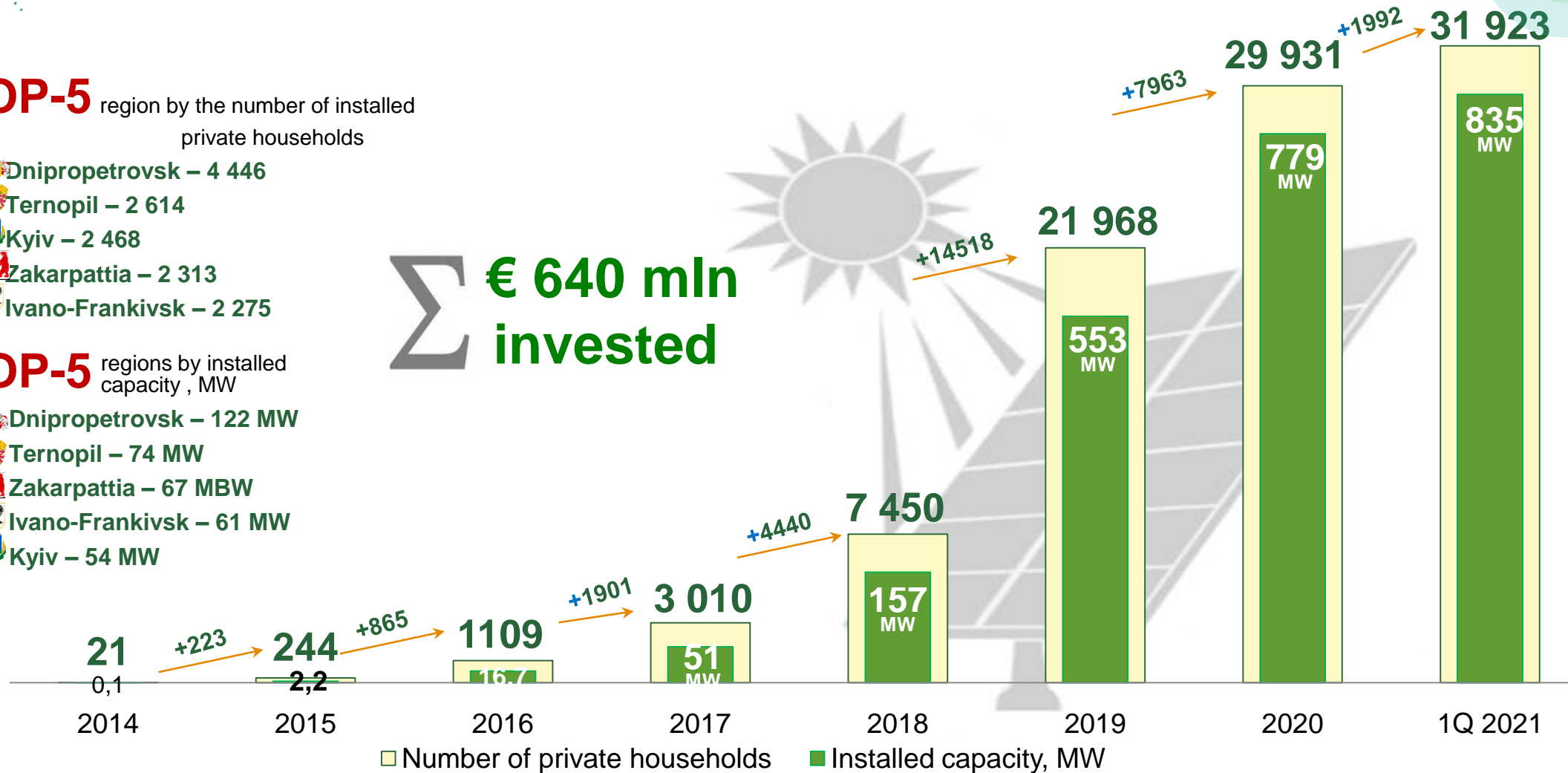
TOP-5 region by the number of installed private households

- Dnipropetrovsk – 4 446
- Ternopil – 2 614
- Kyiv – 2 468
- Zakarpattia – 2 313
- Ivano-Frankivsk – 2 275

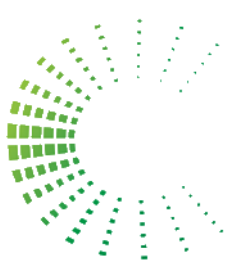
TOP-5 regions by installed capacity, MW

- Dnipropetrovsk – 122 MW
- Ternopil – 74 MW
- Zakarpattia – 67 MW
- Ivano-Frankivsk – 61 MW
- Kyiv – 54 MW

Σ € 640 mln invested



The number of private houses eligible for solar panels installation is 6,5 mln



INITIATIVES IN THE FIELD OF BIOENERGY DEVELOPMENT

DRAFT LAWS

BASIC PROVISIONS



DEVELOPMENT OF SOLID
FUEL TRADE

- creation of a single e-commerce system
- introduction of requirements for the quality of biofuels



PROMOTION OF
CULTIVATION OF
ENERGY CROPS

- improving the conditions for growing energy crops
- envisaging state support



BIOMETHANE MARKET
DEVELOPMENT

- introduction of a mechanism for biomethane trading
- introduction of biomethane guarantees of origin



DEVELOPMENT OF THE
MARKET OF LIQUID BIOFUELS
IN TRANSPORT
(№ 3356)

- introduction of a mandatory share of biofuels
- introduction of sustainability criteria for biofuels



EXEMPTION FROM BIOFUELS
FROM THE TAX ON CO₂

- reducing the tax burden for bioenergy
- improving the investment attractiveness of projects



MECHANISM ON STIMULATING PRODUCTION AND CONSUMPTION OF ELECTRICITY FROM RENEWABLE ENERGY SOURCES

Net Energy Metering Clean measurement system



Production

—

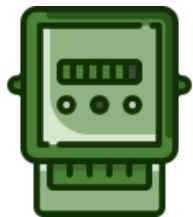


Consumption

=



Clean energy



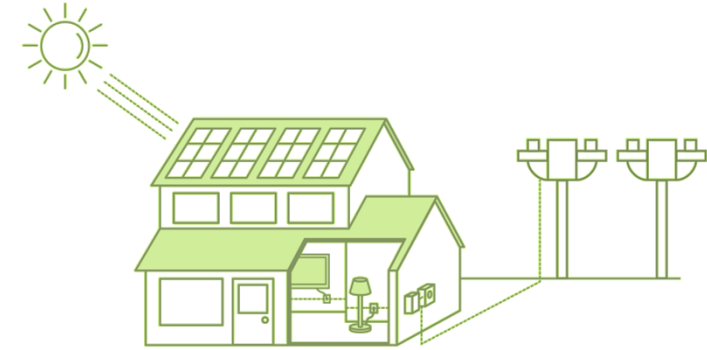
**Net metering
(net accounting)**
produced surplus e / e
(energy credit, kW),
consumed in the next
period



**Net billing
(net sales)**
produced surplus e / e
(cash loan, UAH),
**used in the next period for
calculations for e / e**



MARKET POTENTIAL OF NEM IMPLEMENTATION



380 598



78,3¹

Number of enterprises, units

capacity of e/e consumed,
billion kWh / year

6,5 mln



19,5²

number of households

capacity of e/e consumed
billion kWh / year

20 %



production of e/ e from renewable sources
for self-consumption

≈ 16

billion kWh / year

30 %



≈ 6

billion kWh / year

1- according to the State Statistics Service of Ukraine without taking into account the losses of e / e in the networks;
2- calculated when consuming electricity by one household (250 kWh per month; 3000 kWh per year).



THANK YOU FOR ATTENTION!