

13. Europe-Ukraine Forum

Perspectives for Renewable Energy Development in Ukraine



Economic Forum



Seraphim
POWER
Energy & Investor Relations



Energy Strategy of Ukraine until 2035

25% of energy, produced from RES in the structure of primary energy supply

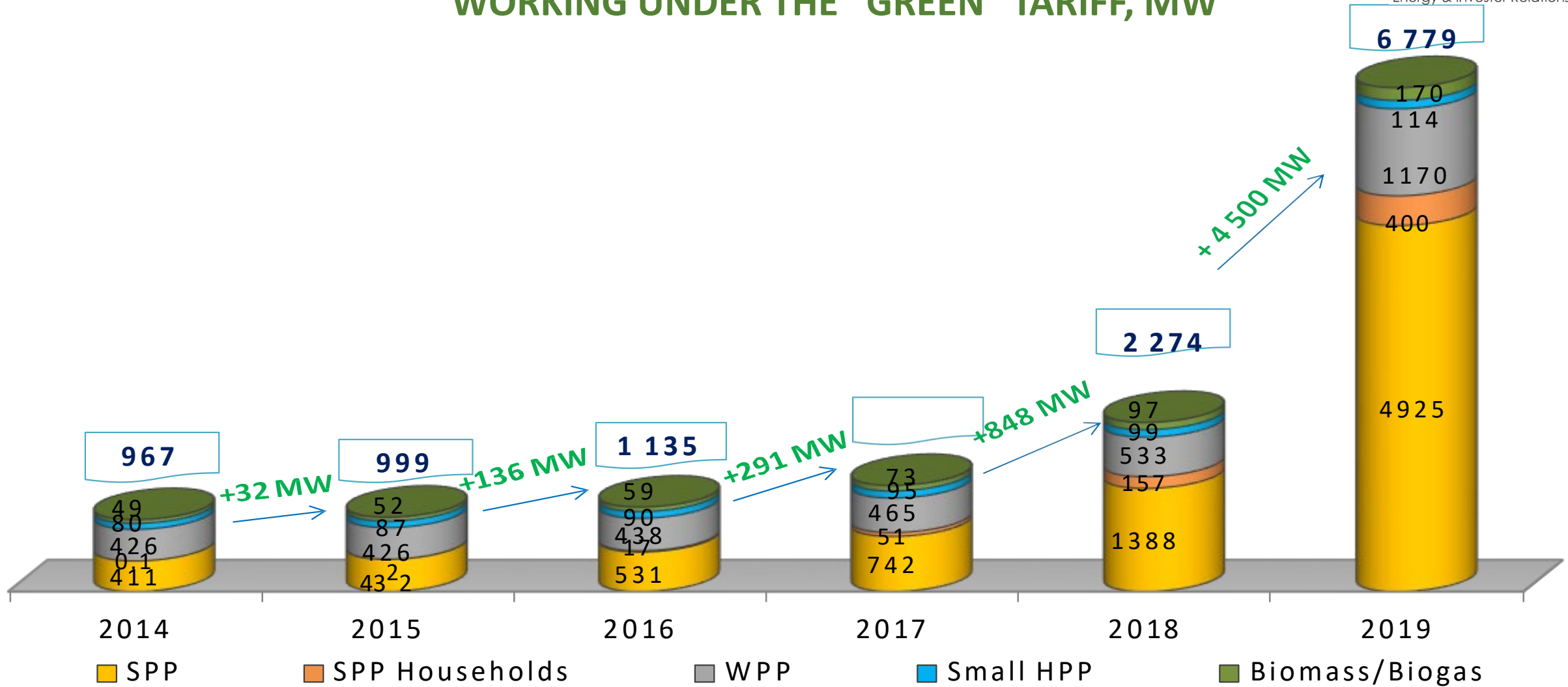
20 bln €

Potential directions of investment attraction

- construction of renewable energy facilities (SPP, WPP, small HPP, CHP, biomass boiler station, biogas facilities, etc.)
- construction of capacities for production of equipment for renewable energy facilities;
- construction of biofuel production plants (solid, liquid);
- energy crops growing.



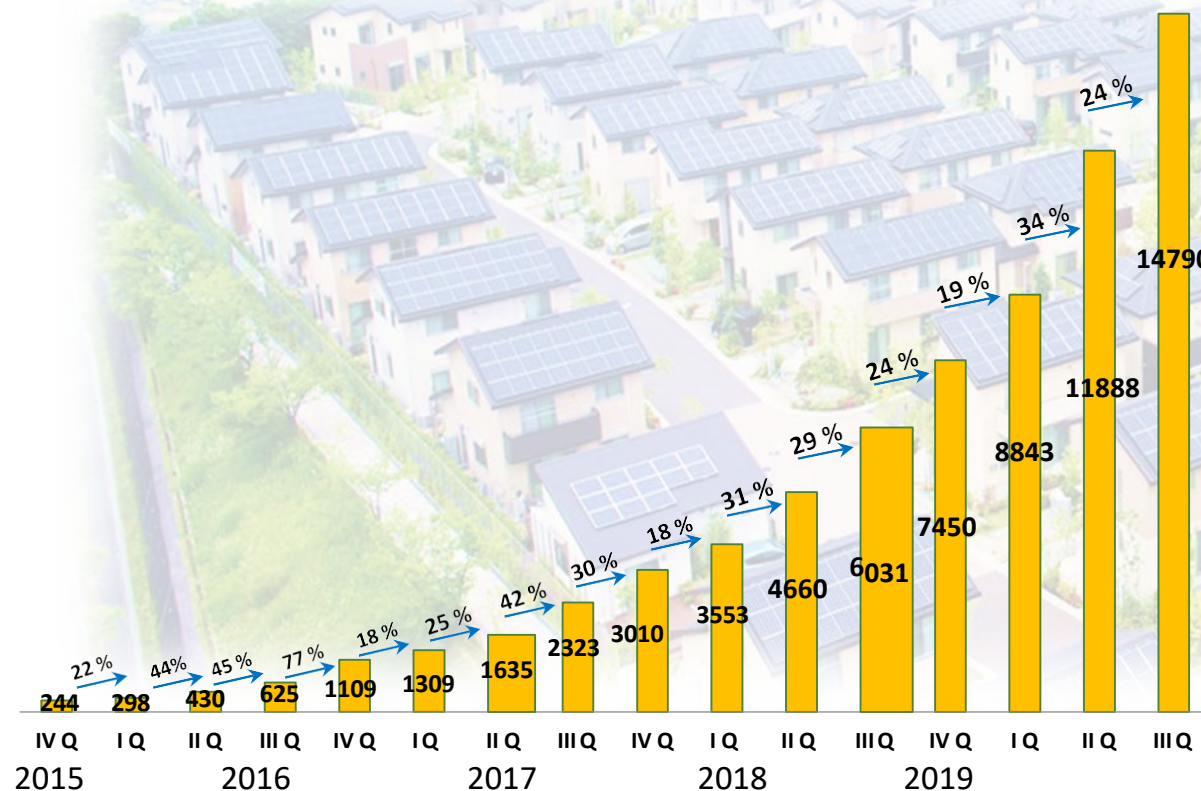
INSTALLED CAPACITY OF RENEWABLE ENERGY OBJECTS WORKING UNDER THE "GREEN" TARIFF, MW



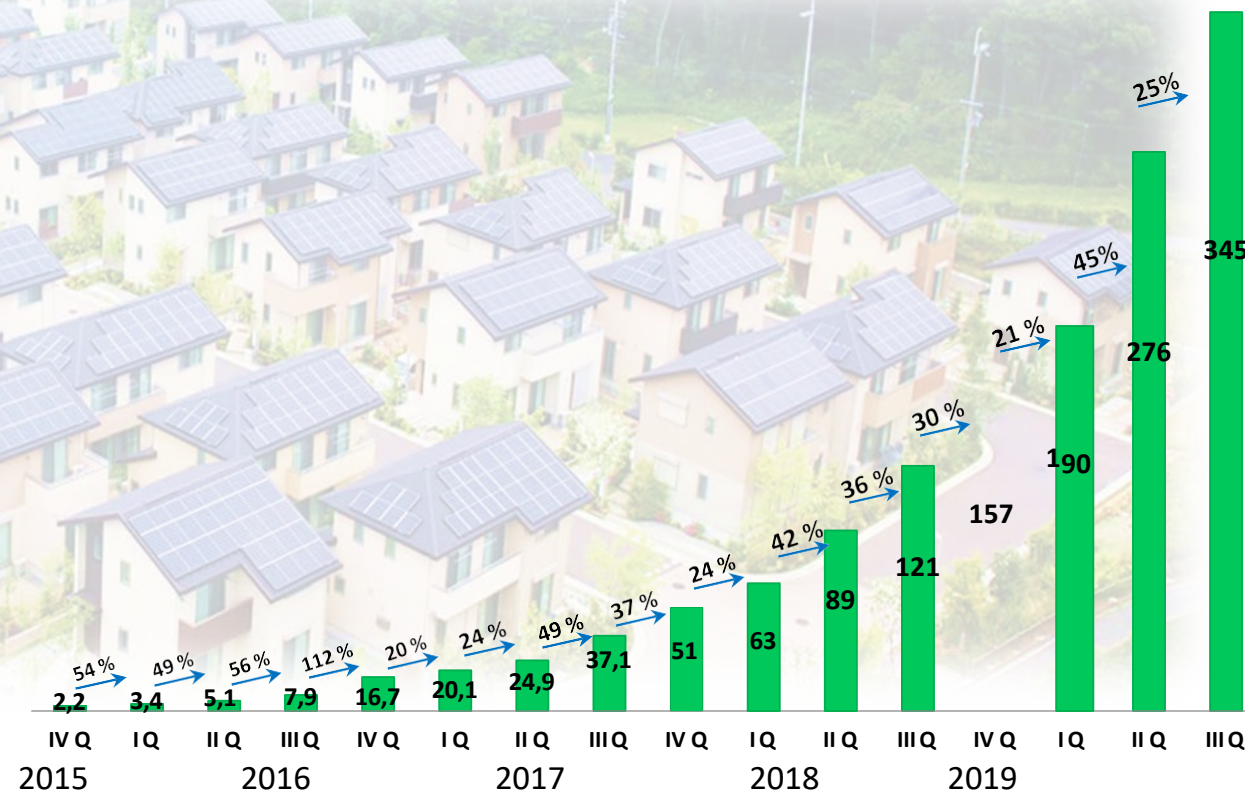
From the beginning of 2015, 5 800 MW were introduced and around € 4.9 bln were invested.

DYNAMICS OF SOLAR INSTALLATIONS IN PRIVATE HOUSES

Number of private households



Installed capacity, MW



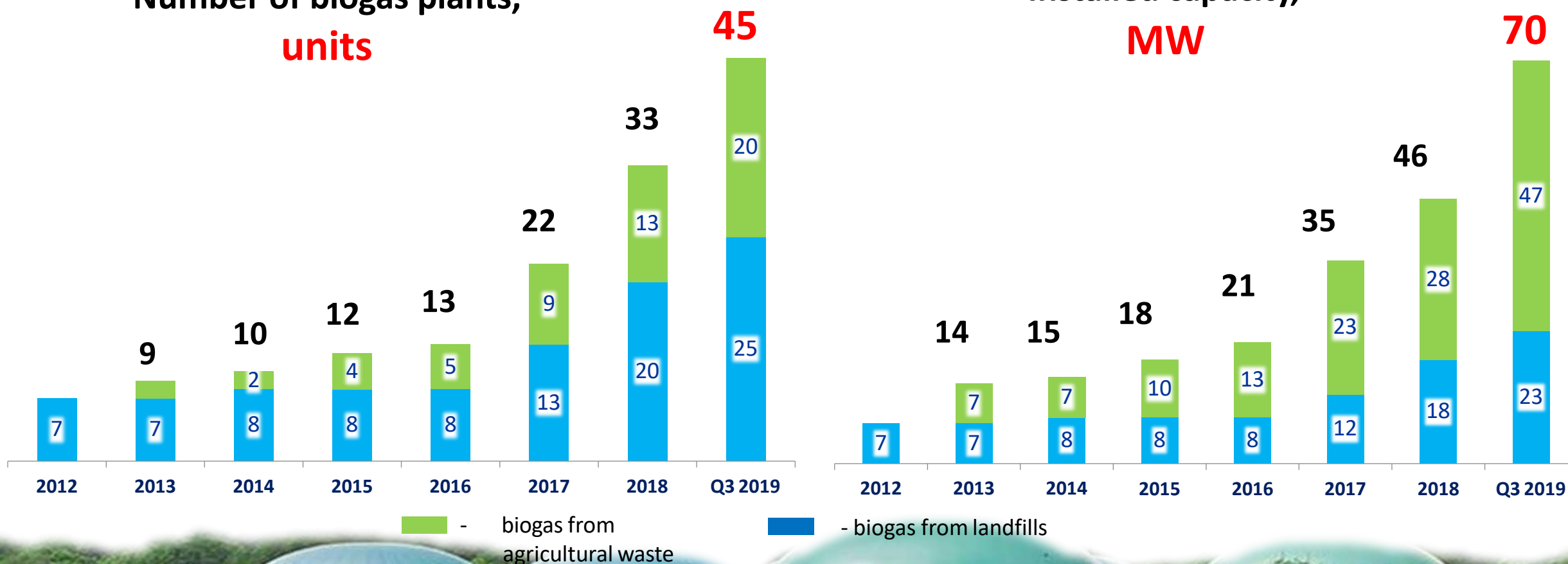
Around **300 mln EURO** invested.

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

BIOGAS CAPACITY INCREASE IN UKRAINE (biogas plants operating under the feed-in tariff)

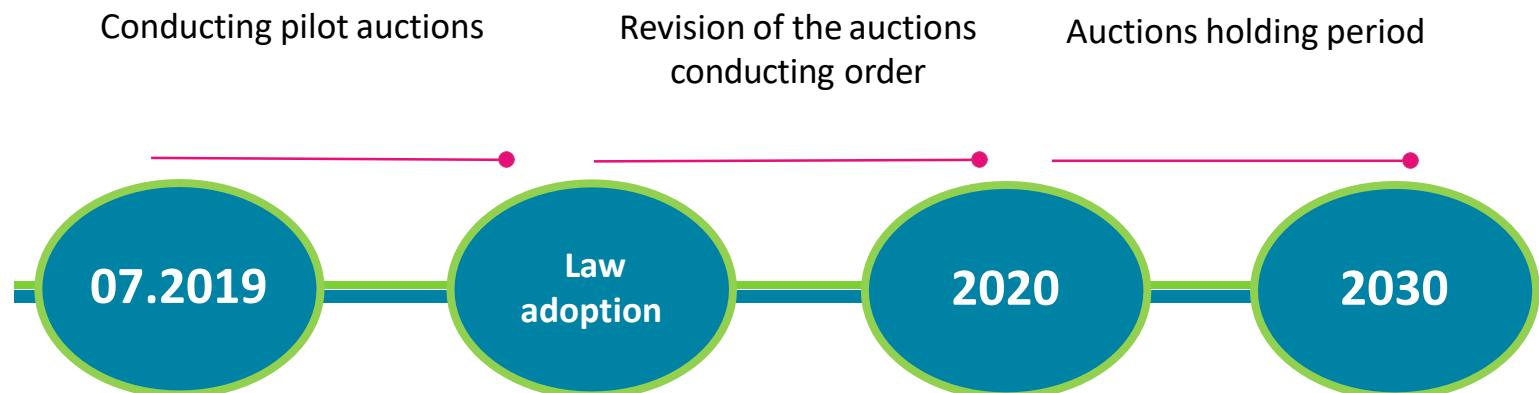
Number of biogas plants,
units

Installed capacity,
MW



Since the beginning of 2012 about € **112** mln have been invested in biogas plants

NEW RENEWABLE ENERGY INCENTIVES INTRODUCTION



PPA terms
20 years

Obligatory participation:
from 2020:



SPP \geq 1 MW;



WPP \geq 5 MW;

Other key points:

All types of RES will
participate in
auctions

Electronic Trading
System
PROZORRO

Bank guarantee
15 000 € for 1 MW
**Land and Specifications for
accession**

Premium for the use of
Ukrainian equipment
5% - 10% (current law)

Specifications are valid:
SPP – up to 2 years;
**WPP, CHP on biomass, small
HPP – up to 3 years**

Law of Ukraine on Renewable Energy Auctions

«FEED-IN» TARIFF

€ct/kW*h

	2019	Law 2712-VIII			
		2020	2021	2022	2023
SPP (ground based)	15,02	11,26 (-25%)	10,88 (-2,5%)	10,50 (-2,5%)	10,12 (-2,5%)
WPP (> 2,0 MW)	10,18	9,05 (-10%)	-	-	-
SPP households	18,09	16,26 (-10%)	-	-	-
Hybrid (SPP+WPP) households	-	Introduction of "feed-in" tariff (12,28 €ct/kW*h)			
Biomass	12,39	The tariff is unchanged and stays at the fixed level of 2019 (12,39 €ct/kW*h)			

Welcome to the Penalists

- ❖ **Stella Schönwiesner – Managing Director / Owner Solar Dove 1 LLC, Ukraine**
- ❖ **Matviy Hetman – Director, Stella Solar LLC, Ukraine**
- ❖ **Marcin Orkisz – President of the Board, Enevi S.A., Poland**
- ❖ **Michał Pajda – Assistant Professor, Oil and Gas Institute – National Research Institute, Poland**
- ❖ **Marek Pitula – President of the Board, Polish Biomethane association, Poland**

Thank you for your attention



Economic Forum



Energy & Investor Relations



Christian Schönwiesner
Managing Director

cs@seraphimpower.com

Mobile / WhatsApp: +49 (0)152 08609194

Mobile Ukraine: +38 0677 912218

