UKRAINE:

RENEWABLE ENERGY DEVELOPMENT

SERGIY SAVCHUK State Agency on Energy Efficiency and Energy Saving of Ukraine



Ukraine NOV

MAIN PRIORITY: NATURAL GAS SAVING

Dynamics of natural gas consumption in 2014-2018*



* according to operational data of NJSC "Naftogaz of Ukraine" and PJSC "Ukrtransgas" (without temporarily occupied territories)

Achievements in 2014 - 2018:

IN RENEWABLE ENERGY:

2 120 MW of new heat capacities *Investments* – **500 million €**

1307 MW of new renewable energy capacities *Investments* – **1,2 billion €**, including:

→ 7 450 of families installed SPP with total capacity – 157 MW Investments – 151 million €

Invested in Ukrainian "clean"

energy projects ∑ ≈ 1.7 billion €





National Renewable Energy Action Plan-2020

11% of Renewables in final energy consumption

- Energy Strategy of Ukraine till 2035

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

Potential directions of investment attraction



Ukraine NC

Necessary investments by 2035 for:

€ 30 bln

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)

growing of energy crops

- – 25%









SHARE OF RENEWABLE ENERGY % 11 11 10,1 10 9,1 9 8,3 8 7,4 6,7 6,7 7 5,9 5,8 6 4,9 5 3,9 4 3 2 1 0 2014 2015 2016 2020 2017 2018 2019 GOAL ACTUAL



- calculated according to the Directive 2009/28/EU



The development of renewable electricity by 2035







From the beginning of 2015, 1 307 MW were introduced and around € 1,2 bln were invested.

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DYNAMICS OF SOLAR INSTALLATIONS IN PRIVATE HOUSES



Ukraine NOW

Around **151 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)







RENEWABLE AUCTIONS IMPLEMENTATION CONCEPT

(draft law Nº 8449-d dated 05.12.2018)



INTERNATIONAL COOPERATION

WEBINAR with IRENA on the introduction of an auction system to support renewable energy



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Date: October 31, 2018

The result: the proposals made by IRENA experts with appropriate

practical advice are sent to the Verkhovna Rada Committee on Fuel

and Energy Complex for consideration during drafting the Law



State Agency on Energy Efficiency and Energy Saving of Ukraine

> On February 24, 2018, Ukraine became a member of the International Renewable Energy Agency (IRENA)



Draft Law of Ukraine № 8449-d NEW RENEWABLE ENERGY INCENTIVES INTRODUCTION





Draft law 8449-d

PROPOSALS FOR OPTIMIZATION «GREEN» TARIFF

	Law in force 2020	2020	Draft lav 2021	w 8449-d 2022	2023
SPP	-10%	- 2 5%	-2,5%	-2,5%	-2,5%
WPP	-10%	-10%	-1,5%	-1,5%	-1,5%
Biomass, small hydro, geothermal	-10%	-10% (The proposal is not to reduce the tariff, keep the current level)			
All types of RES (up to 500 kW)	-10%	-10%	weighted average auction tariff * 1,2 (since 2021 but not earlier than conducting a minimum of 2 auctions)		



THANK YOU FOR ATTENTION!

