

The next phase of Ukrainian RES sector development



# Ukraine's RES sector achievements: 2009-2019





- > 5.5 GW installed capacity till the end 2019
- > 4% of the country's generation



- > \$8.0 bln of investments
- > 500 players in the RES market

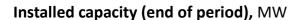


- > 12 000 prosumers
- > 18 000 jobs created

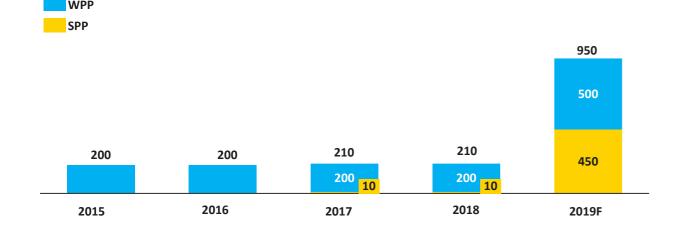
#### DTEK Renewables contribution to the Ukrainian RES market

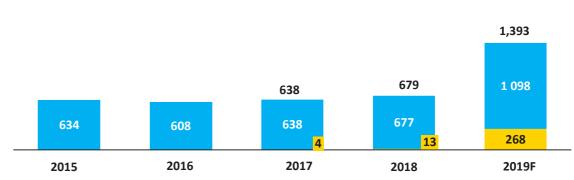


Project	Botievo	Tryfanovka	Primorsk	Nikopol	Pokrovs'k	Orlovka
Asset type		= \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
Capacity	200 MW	10 MW	200 MW	AC 200 MW	AC 240 MW	100 MW
Total investment	EUR 340 mln	EUR 10 mln	EUR 321 mln	EUR 216 mln	EUR 193 mln	EUR 131 mln
Suppliers of equipment	Vestas.	JA SOLAR	GE Renewable Energy	<u>Cille</u>	# risen solar technology	Vestas.



Annual electricity output, GWh





### Flexibility – key to successful RES integration into energy market



## **FLEXIBILITY**





# **SOLUTIONS**



#### **GENERATION**



**GRID** 



**STORAGE** 



#### CONSUMPTION

- √ Forecasts
- ✓ Balancing capacities
- ✓ Ancillary services

- ✓ Modernization
- ✓ Extension
- ✓ Interconnection

✓ Storage solutions

- ✓ Distributed solutions
- ✓ Energy efficiency
- ✓ Demand side management

# Thank you for your attention!