Scaling up

SOLAR GENERATION

in the Vinnytsia City Territorial Community



SOLAR POWER PLANTS

MUNICIPAL INSTITUTIONS

549.39 MWh
Electricity generation

260.97 tonnes
Reduction in CO_2 emissions

CURRENT SITUATION

- **140+** sites with solar power plants.
- **24.54 MW** total capacity, including **23.76 MW** in the business sector.
- **47** businesses received **€463,800** in compensation for installing **5.5 MW** of solar capacity.
- **11** solar power plants at **8** municipal facilities (2023–2025).





SUPPORT FOR BUSINESS ENERGY PROJECTS

Vinnytsia municipal compensation programme · Launched in April 2023

TWO PARTICIPATION MODELS

01

SELF-FUNDED PROJECT

A business purchases and commissions equipment, then applies for reimbursement.

02

INVESTOR-FUNDED PROJECT

An investor installs the equipment. The business receives compensation for eligible electricity payments or equipment buyout costs.

HOW COMPENSATION IS CALCULATED

30% of taxes and fees paid to the community budget in 2025, within assessed amounts.

Compensation cannot exceed actual eligible expenditure.

UP TO
UAH 1 MILLION

Renewable electricity generation.

UP TO
UAH 2 MILLION

Solar generation + eligible energy storage.





WHY ENERGY STORAGE MATTERS

Store surplus solar energy for peak demand and outages, reduce downtime and ease pressure on the grid.

SOLAR ENERGY: PROGRAMME RESULTS

Vinnytsia community · As of 1 November 2026

MUNICIPAL COMPENSATION PROGRAMME

55 businesses supported
49 legal entities and 6 sole proprietors

€ 611 000 paid in compensation

7.2 MW of solar capacity installed



BUSINESS SOLAR IN THE COMMUNITY

190+ businesses with solar installations

29.82 MW total installed solar capacity

GROWTH OF BUSINESS SOLAR CAPACITY

Period	Businesses	Capacity
Jan–Jun 2023	25	5 MW
Jul–Sep 2023	37	9.6 MW
Oct–Dec 2023	45	10.51 MW
Jan–Mar 2024	48	11.08 MW
Apr–Aug 2024	65	15 MW
Sep 2024–Mar 2026	145	24.54 MW
Mar–Oct 2026	**190+**	**29.82 MW**

Programme-supported capacity: 24.1% of total business solar capacity.

Business context, 1 October 2026: 55,752 active business entities and more than 125,000 employees.

WIND AND RENEWABLE ENERGY DEVELOPMENT



WIND ENERGY

4 **potential sites**
for wind parks

6,5–47
thousand MWh/year
estimated generation capacity

The city is looking for partners
to develop feasibility studies and implement the project.

DISTRIBUTED GENERATION

A total of
10 COGEN UNITS
have been received

with a total capacity of
15,548 MW

Further development of the **energy island** and the **smart grid** system.

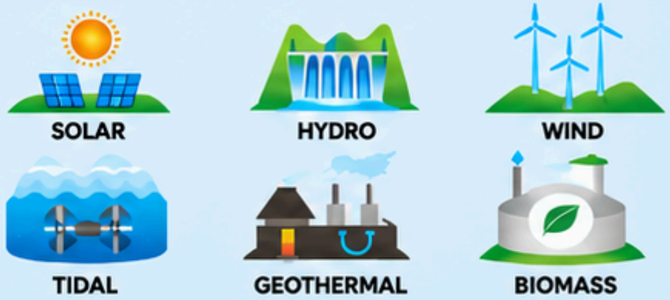
SOLAR POWER AND ENERGY STORAGE

2,137 MW
solar power plants under development in the community
(businesses, residential buildings, municipal facilities)

12.5 MW
installation of 2 storage systems for water supply facilities

ADDITIONAL INFORMATION

In order to assess the availability and potential scale of using various energy sources — including geothermal heating, heat pumps, and other renewable and alternative options — **appropriate studies need to be conducted** on the territory of the Vinnytsia City Territorial Community.



CURRENT STATUS OF ENERGY INDEPENDENCE



29,4
MW
Solar power plants installed for businesses (185 facilities)



0,78
MW
Solar power plants installed on municipal facilities



0,42
MW
Solar power plants installed on 5 multi-apartment residential buildings



20,4
MW
Generators at 84 critical infrastructure facilities (215 units)



10,3
MW
Generators at 202 social sector facilities (382 units)

150
MW
Total installed capacity for the community

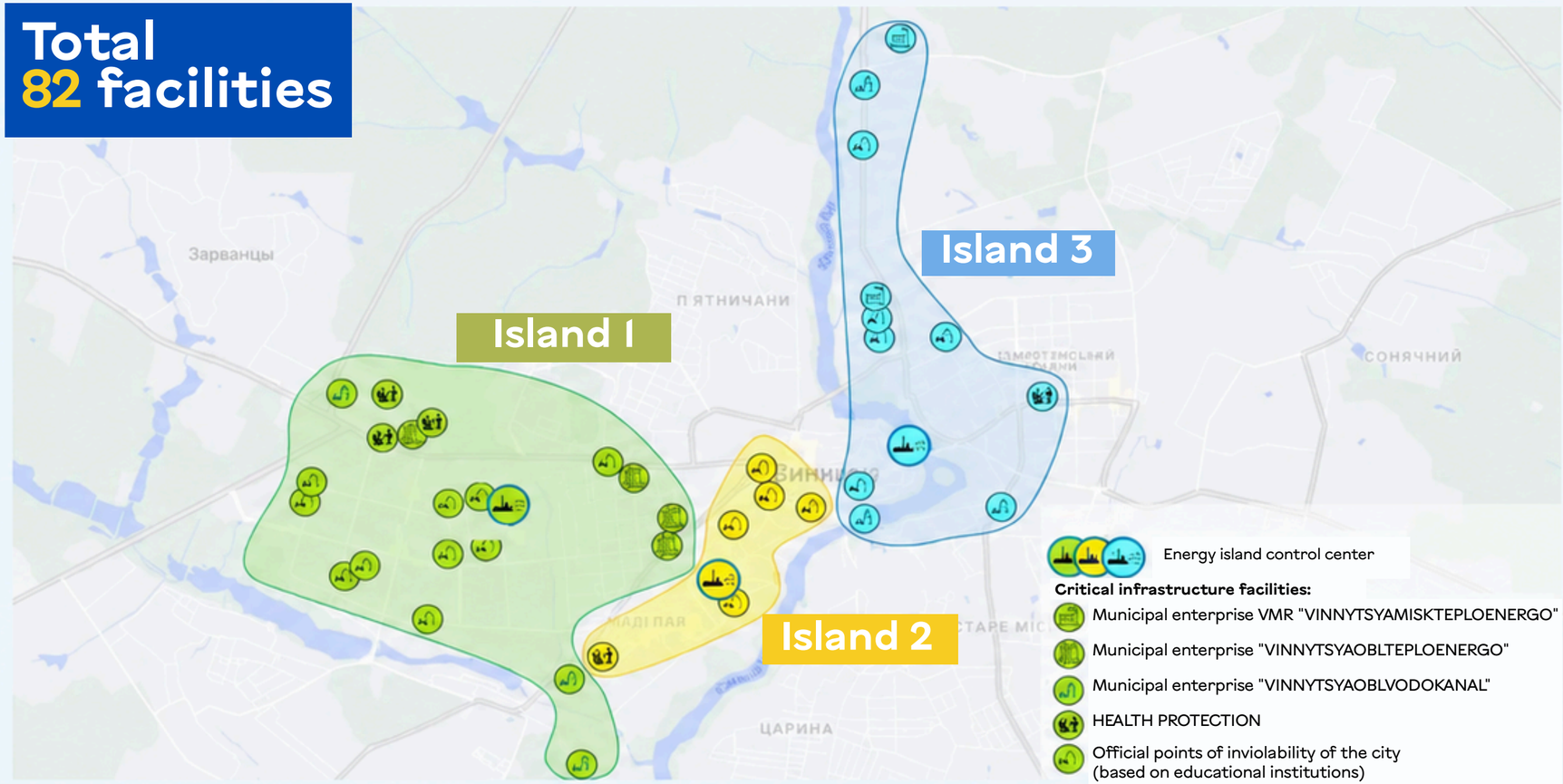
61,3
MW
Total capacity of all electricity generation sources



15,5 MW
10 CHP units **already in operation**

CONSTRUCTION OF ENERGY ISLANDS

Total
82 facilities



355 thousand people

Population of the Vinnytsia city community that consumes services of centralized heat supply and water supply

> 60 thousand people

Number of people who will be able to relocate to shelters in case of emergency situations

Island 1
14 MW

Island 2
1,5 MW

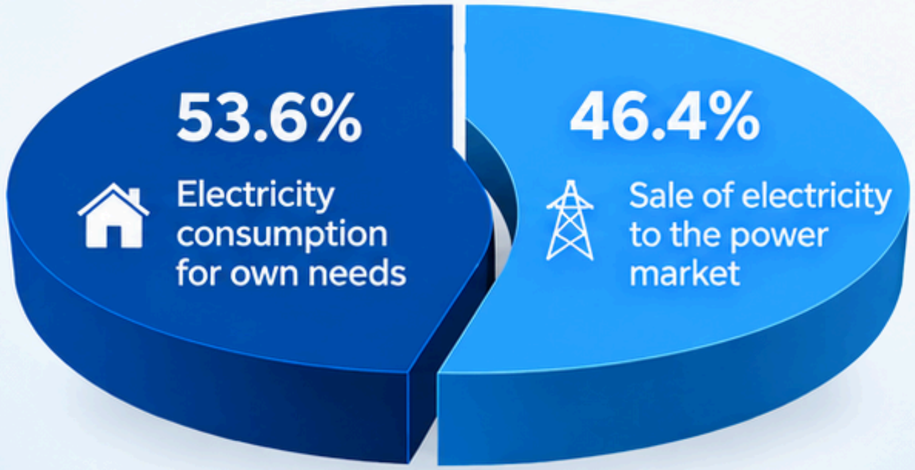
Island 3
6.1 MW

CONSTRUCTION OF CABLE LINES

between thermal and electrical generation facilities



Distribution of electricity from CHP





Laying of cable lines



Installation and supply of cable lines

ENERGY RESILIENCE
INFRASTRUCTURE & CAPACITY

63
Boiler houses
Total capacity:
878.5 MW

200K+
Residents
Supplied with heat
in 1,225 buildings

215
Generators
Installed at heat and
water supply facilities

15.5 MW
Cogeneration capacity
10 units already in operation

16 km
Cable lines
Laid between 4 main boiler
houses of the city





Vinnytsia
City Council

RESILIENCE

OF THE VINNYTSIA CITY TERRITORIAL COMMUNITY



2026