

UkrGasbank green transformation

OUR MISSION – to drive eco-transformation in Ukraine and promote sustainable development, including resource efficiency, renewable energy and environmental protection

UKRGASBANK – No.1 in UKRAINE

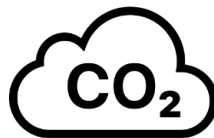
- ✓ **14%** of renewable energy facilities in Ukraine were financed by Ukrgasbank
- ✓ The only bank in Ukraine with its own technical office for green projects

UAH **30** bn
Green projects portfolio*

UAH **19.1** bn
Green loan portfolio

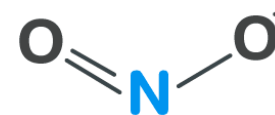
Positive impact on the environment emission reduction

carbon dioxide



1,4 mln tons

nitrogen oxide



0,84 mln m³

hard particles

50 mg/m³**
↓
18 mg/m³

* cumulative, since the launch of “green” project, as of Jan. 2021

** as a result of the installation of treatment facilities at PJSC “Zaporizhstal”

Key milestones



Beginning of cooperation with IFC

Ecological Projects Department established

2016-2017

ESRM introduced at the Bank

Environmental and Social Risk Management Division established

ESRM



CARBON PRICING LEADERSHIP COALITION

Membership in Carbon Pricing Leadership Coalition (CPLC)

2018

Ukrasbank recognized as an eco-bank at the state-level *



МІНІСТЕРСТВО
ФІНАНСІВ
УКРАЇНИ



UNEP
FINANCE
INITIATIVE

Joining the United Nations Environment Program Finance Initiative (UNEP FI)

2019

Loan Facility for SME renewable energy projects



NORDIC ENVIRONMENT FINANCE CORPORATION

57.9

«Affordable loans 5-7-9%» ECO

Government-supported program to boost sustainable development

2020

Launch of the Loan Guarantee Fund for implementing energy management at industrial enterprises in partnership with UNIDO



Loan Facility to promote green financing and help Ukrainian SMEs to recover from COVID-19

2021

Green loan from IFC with equity conversion option



Creating Markets, Creating Opportunities



We were the pioneers among Ukrainian banks to implement an environmental and social risk management system (ESRM)

According to Policy on Environmental & Social Responsibility, UkrGasbank:

- Categorizes environmental and social risks
- Is guided by IFC Performance Standards on Environmental and Social Sustainability
- Applies exclusion list to its lending policy



... scan QR-code to find out more

Cost saving and greenhouse gas emissions reduction in 2019 due to implementation of energy efficiency standards in the Bank's offices

\$70 thousand
9.7 thousand
ton CO₂

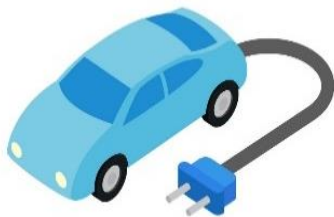


In order to reduce electricity consumption, the Bank installed LED lighting, motion sensors, automatic shutdown system for computers, office equipment, ventilation, as well as air conditioners

These measures saved 92.3 thousand kWh (including new branches)

For business trips Bank employees use electric cabs, and the bank's executives use hybrid cars. This allowed the Bank to save more than 26 thousand liters of fuel per year

The bank has installed 18 charging stations for electric cars adjacent to its branches



Responsible use of eco-friendly office stationery is more expensive option than the usual (plastic) stationery but as responsible employees of Eco-bank we choose to minimize our negative environmental impact from our activities.

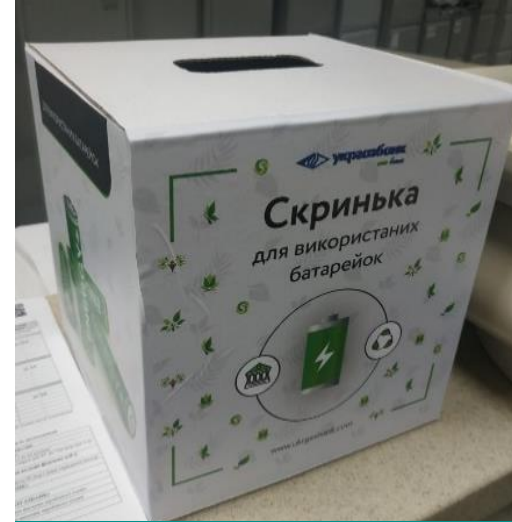
Examples of Environmental Projects at the Bank

Electronic workflow



Solid waste sorting
(paper, plastic, glass)

Usage of eco-friendly household chemistry at the Bank



Used batteries recycling

Usage of organic waste bags



ENERGY SAVING



- Thermal modernization (heat insulation)
- New energy efficient construction *(from class B)*
- Charging stations for electric vehicles
- Lighting systems
- SMART- control systems
- Energy efficient modernization of equipment
- Reduction of resource consumption
- Environmentally friendly transport

GREEN ENERGY

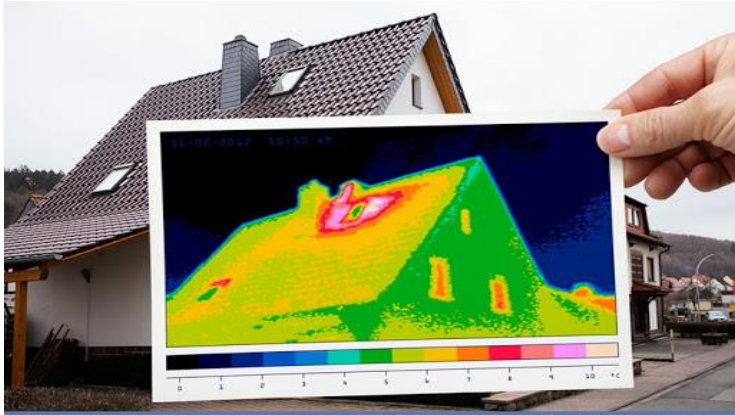


- Solar, wind, hydro power plants
- Biogas installations
- Biomass installations
- Cogeneration plants
- Heat pumps
- Energy storage system

SUSTAINABILITY



- Drinking water treatment
- Wastewater treatment
- Air purification
- Organic product
- Waste management
- ISO 14001 / 50001 certification
- Medical equipment
- Disinfection measures
- Medical transport



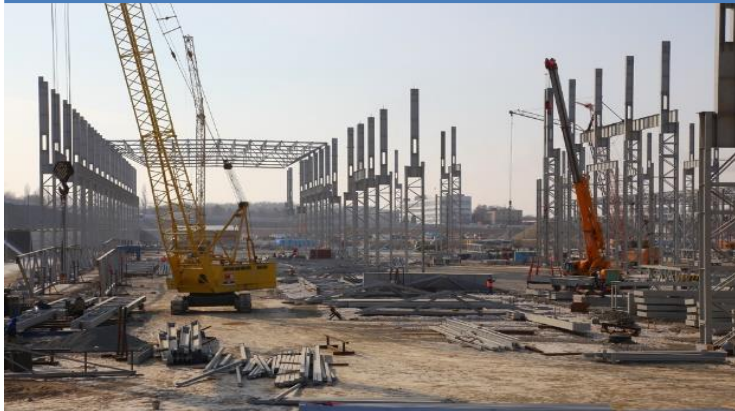
COMPLEX THERMAL MODERNIZATION OF RESIDENTIAL BUILDINGS – energy saving measures (including insulation of walls, roof, replacement of multiple glass units and doors)

Result: reduction of heat loss and improved energy efficiency; heat consumption savings by 15% or more



HEAT INSULATION – a component of thermal modernization involving thermal insulation of walls and roofs, improvement of thermal resistance of old buildings

Result: reduction of energy consumption by 15% or more



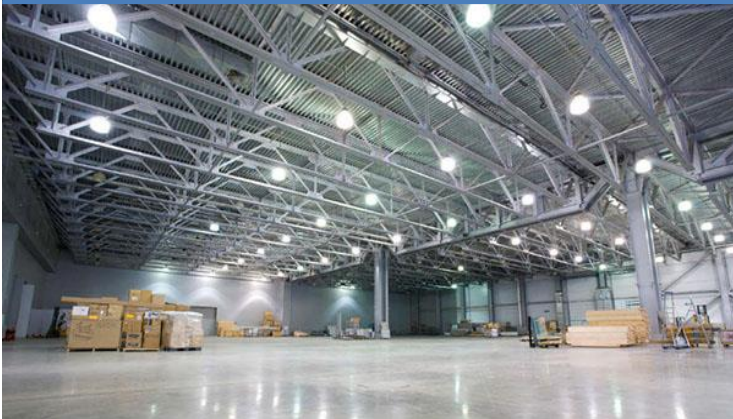
NEW ENERGY EFFICIENT CONSTRUCTION

Result: reduction of energy consumption; energy efficiency - not lower than class B



INSTALLATION OF CHARGING STATIONS

Result: increasing the share of electric vehicles in the Ukrainian car market



MODERNIZATION OF LIGHTNING SYSTEMS (*installation of motion sensors, replacement of fluorescent lamps with LED lamps, etc.*)

Result: significant reduction of electricity consumption, increase of reliability, safety and efficiency of electric lightning equipment, reduction of equipment repair costs; reduction of electricity consumption by at least 15%



INSTALLATION AND MODERNIZATION OF ECO SMART SYSTEMS

Result: high level automation and robotics at the enterprises allowing to manage technological and production processes



MODERNIZATION OF TECHNOLOGICAL PROCESS

Result: reduction of resources consumption per unit produced by at least 15%



MODERNIZATION OF PRODUCTION EQUIPMENT

Result: reduction of resources consumption compared to existing equipment at least by 15%



REDUCTION OF RESOURCES CONSUMPTION

(electricity, water, fuel, etc)

Result: cost reduction due to optimization of resources consumption by at least 15%



MUNICIPAL TRANSPORT OR SPECIAL PURPOSE MOTOR VEHICLES
(electric buses, trolleybuses, trams and special purpose motor vehicles that use liquefied gas, methane or biodiesel and etc.)

Transport on ecological fuel (bio methane, hydrogen)

Result: reduction of urban pollution through «environmentally friendly» public transport



- **ELECTRIC VEHICLES (EV), HYBRID CARS (HEV, PHEV)**
- **LPG, CNG, LNG**
- **VEHICLES WITH ENGINE MEETING THE EURO-6 STANDARTS (TIER-4 FOR AGRICULTURAL MACHINERY)**

Result: reduction of air pollution



TRANSPORT REPLACEMENT

Result: reduction of air pollution;
reduction of fuel consumption or energy costs by at least 15%



SOLAR POWER STATIONS

Result: generation of «clean», «green» energy to replace fossil fuels: oil, coal, natural gas and reduce CO2 emissions to «0» level



WIND POWER STATIONS

Result: generation of «clean», «green» energy from wind to replace fossil fuels: oil, coal, natural gas and reduce CO2 emissions to «0» level



BIOGAS INSTALLATIONS

Result : generation of «clean», «green» energy by decomposition of biomass from agricultural lands, solid waste landfills and wastewater to replace fossil fuels: oil, coal, natural gas and reduce CO2 emissions to «0» level



HYDRO-ELECTRIC POWER STATIONS UP TO 10 MW

Result: generation of «clean», «green» energy due to kinetic water energy to replace fossil fuels: oil, coal, natural gas and reduce CO2 emissions to «0» level



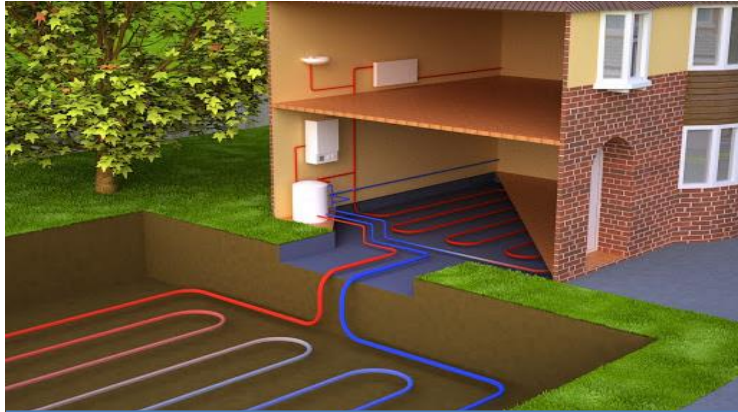
BIOMASS INSTALLATIONS (*STRAW, CORN AND SUNFLOWER WASTE*)

Result: generation of «clean», «green» energy from dry plant residues (organics) to replace fossil fuels: oil, coal, natural gas and reduce CO2 emissions to «0» level



COGENERATION INSTALLATIONS

Result: improved efficiency ($\approx 80\%$) of electricity and heat generation through optimized fossil fuels use



GEOTHERMAL ENERGY AND HEAT PUMPS

Result: generation of «clean», «green» energy from earth to replace fossil fuels: oil, coal, natural gas and reduce CO2 emissions to «0» level



ELECTRICITY STORAGE SYSTEMS

Result: accumulation of generated electricity and ensuring continuity of power supply



MEDICAL EQUIPMENT AND DIAGNOSTIC AIDS

Result: financing purchasing modern medical equipment in order to provide people with effective and high quality medical care

Eligibility: evidence-based medicine projects



DESINFECTION MEASURES AND SANITARY-EPIDEMIOLOGICAL TREATMENT

Result: effective measures to reduce the spread of virus diseases



MEDICAL TRANSPORT

Result: vehicles with modern medical equipment to provide emergency medical assistance



FILTRATION EQUIPMENT (AIR PURIFICATION)

Result: reduction pollution emissions to the atmosphere, mitigation of negative impact on public health



WASTE COLLECTION AND DISPOSAL

Result: proper handling of hazardous wastes helps to avoid negative impact on environment and human health



IMPLEMENTATION OF ENERGY MANAGEMENT SYSTEM ACCORDING TO ISO 14001/50001 STANDART

Result: certification of enterprises according to international standards helps to reduce costs and coply strict international standards



DRINKING WATER TREATMENT

Result: clean drinking water is one of the key elements of healthy human existence



WASTEWATER TREATMENT

Result: wastewater treatment allows returning clean water to the ecosystem and its repeated use



PRODUCTION OF ECO-FRIENDLY (ORGANIC) FOOD PRODUCTS

Result: effective ecosystem management without the use of external agricultural resources (pesticides)