



MYKOLAIV CITY COUNCIL



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DEVELOPMENT OF ALTERNATIVE ENERGY

ON THE BASIS OF



Обласне комунальне підприємство
«Миколаївоблтеплоенерго»

REGIONAL COMMUNAL ENTERPRISE
"MYKOLAIVOBLTEPLOENERHO"



REBUILD UKRAINE

4TH INTERNATIONAL EXHIBITION | CONFERENCE

CONSTRUCTION & ENERGY



2024

SUBPROJECT

MYKOLAIV
CITY
2024



INSTALLATION OF COGENERATION PLANTS ON THE BASE OF FACILITIES OF THE RCE "MYKOLAIV OBLTEPLOENERGO"



FEASIBILITY
STUDY



ENVIRONMENT
FRIENDLY



DESIGN
PREPARED



APPROVED
BY GOV



ECONOMIC
DEVELOPMENT

58,0

MILLIONS EUROS

ESTIMATED
BUDGET

AIM

DUE TO THE CONSTANT THREATS OF BOMBING AND BLACKOUTS, CRITICAL INFRASTRUCTURE FACILITIES (CCE "MYKOLAIVVODOKANAL", RCE "MYKOLAIV OBLTEPLOENERGO", MEDICAL AND SOCIAL FACILITIES) NEED INDEPENDENT SOURCES OF ELECTRICITY GENERATION HEAT ENERGY TO ENSURE CONTINUOUS OPERATION OF CRITICAL INFRASTRUCTURE FACILITIES

SUBPROJECT

CONSTRUCTION OF AN ENERGY-GENERATING COMPLEX ON BIOMASS WITH A CAPACITY OF 3 MW TO PROVIDE A RESERVE SOURCE OF HEAT SUPPLY FOR THE BOILER PLANT "MYKOLAIV OBLTEPLOENERGO"

MYKOLAIV
CITY
2024



AIM

THIS TYPE OF CHP USES BIOMASS SUCH AS WOOD, AGRICULTURAL WASTE, ORGANIC WASTE OR SPECIALLY GROWN ENERGY CROPS TO PRODUCE HEAT AND ELECTRICITY.

SPECIAL BOILERS ADAPTED TO WORK WITH A SPECIFIC TYPE OF BIOFUEL ARE USED FOR BIOMASS COMBUSTION. THE APPLICATION OF BIOMASS GASIFICATION IS ALSO POSSIBLE, WHICH ALLOWS TO OBTAIN SYNTHESIS GAS, WHICH IS FURTHER COMBUSTED FOR ENERGY PRODUCTION. TURBINES FOR THE PRODUCTION OF ELECTRICITY AND HEAT SUPPLY SYSTEMS FOR THE PROVISION OF HEAT ARE INSTALLED IN BIOFUEL CHP PLANTS.

SUBPROJECT

NEW BUILDING OF A 12 MW WIND POWER PLANT

MYKOLAIV
CITY
2024



FS IS GIVEN



ECOLOGICAL
CERTIFICATION



PED IS
DEVELOPED



CORRESPONDENCE
OF THE
STRATEGY



INFLUENCE ON
ECONOMIC
DEVELOPMENT

18,4
MLN EURO

APPROXIMATE
BUDGET

AIM

INSTALLATION OF WIND GENERATORS IS ONE OF THE MODERN INDUSTRIES OF RENEWABLE ENERGY IN UKRAINE AND OUR COMPANY IS TRYING TO JOIN THE DEVELOPMENT OF THE WIND ENERGY SECTOR. OUR WIND ENERGY COMPLEX PROJECT PROVIDES FOR THE INSTALLATION OF REFURBISHED WIND POWER PLANTS AND DIESEL-GENERATOR PLANTS OF COMBINED HEAT AND ELECTRICITY PRODUCTION, COMBINED INTO ONE SYNCHRONIZED SYSTEM FOR PRODUCTION OF ELECTRIC AND HEAT ENERGY WITH MINIMUM CO2 EMISSION.

SUBPROJECT

NEW CONSTRUCTION OF 9.9 MW SOLAR POWER PLANTS

MYKOLAIV
CITY
2024



FS IS GIVEN



ECOLOGICAL
CERTIFICATION



PED IS
DEVELOPED



CORRESPONDENCE OF THE
STRATEGY



INFLUENCE ON
ECONOMIC
DEVELOPMENT

9,07
MLN EURO

APPROXIMATE
BUDGET

AIM

INCREASING ENERGY INDEPENDENCE, SECURITY BY REDUCING DEPENDENCE ON FOSSIL FUELS AND REDUCING EMISSIONS OF GREENHOUSE GASES AND OTHER HARMFUL SUBSTANCES INTO THE ATMOSPHERE

SUBPROJECT

MYKOLAIV
CITY
2024



INCREASING ENERGY INDEPENDENCE, SECURITY BY REDUCING DEPENDENCE ON FOSSIL FUELS AND REDUCING EMISSIONS OF GREENHOUSE GASES AND OTHER HARMFUL SUBSTANCES INTO THE ATMOSPHERE)

AIM

INSTALLATION OF SOLAR PANELS WILL PROVIDE AN INDEPENDENT SOURCE OF ELECTRICITY TO 200,000 CONSUMERS OF THE CITY, INCLUDING THE SOCIAL SPHERE, AS WELL AS PROVIDE STABLE WORK:

WATER PUMPING SYSTEMS IN HIGH-STORY BUILDINGS, PUMPING EQUIPMENT, BOILERS, ELECTRICAL EQUIPMENT, SVERDLOVYN, REVERSE OSMOSIS STATION, WHICH ALLOWS TO PROVIDE DRINKING WATER TO CITY RESIDENTS.



MYKOLAIV CITY COUNCIL

THANK YOU FOR ATTENTION
WE ARE LOOKING FORWARD TO COOPERATION



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