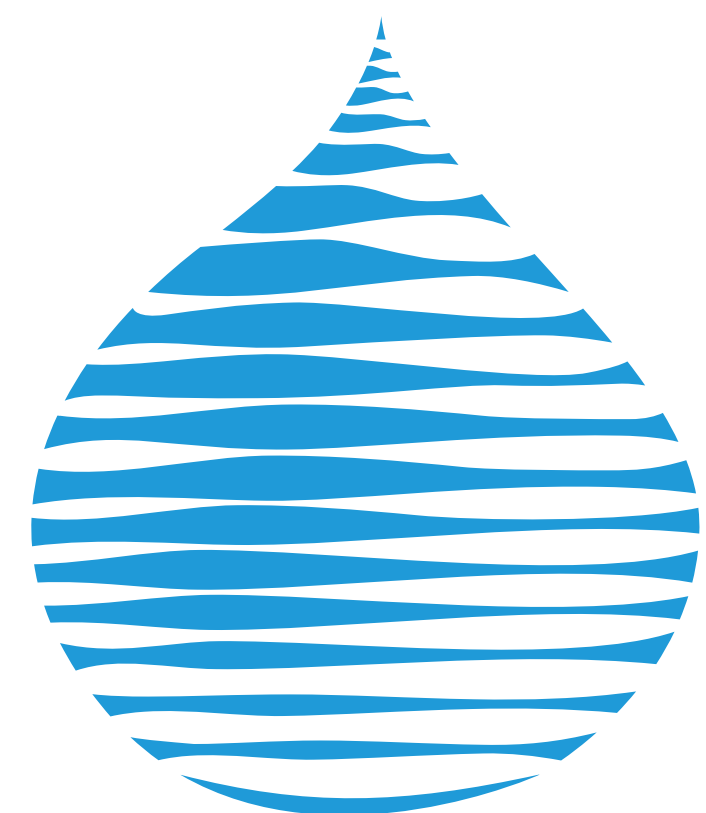
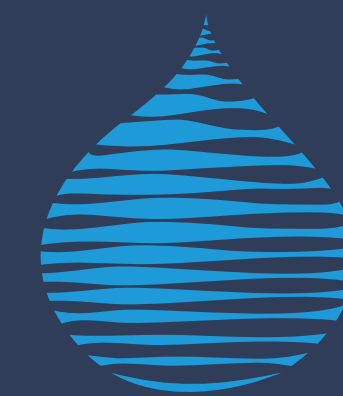




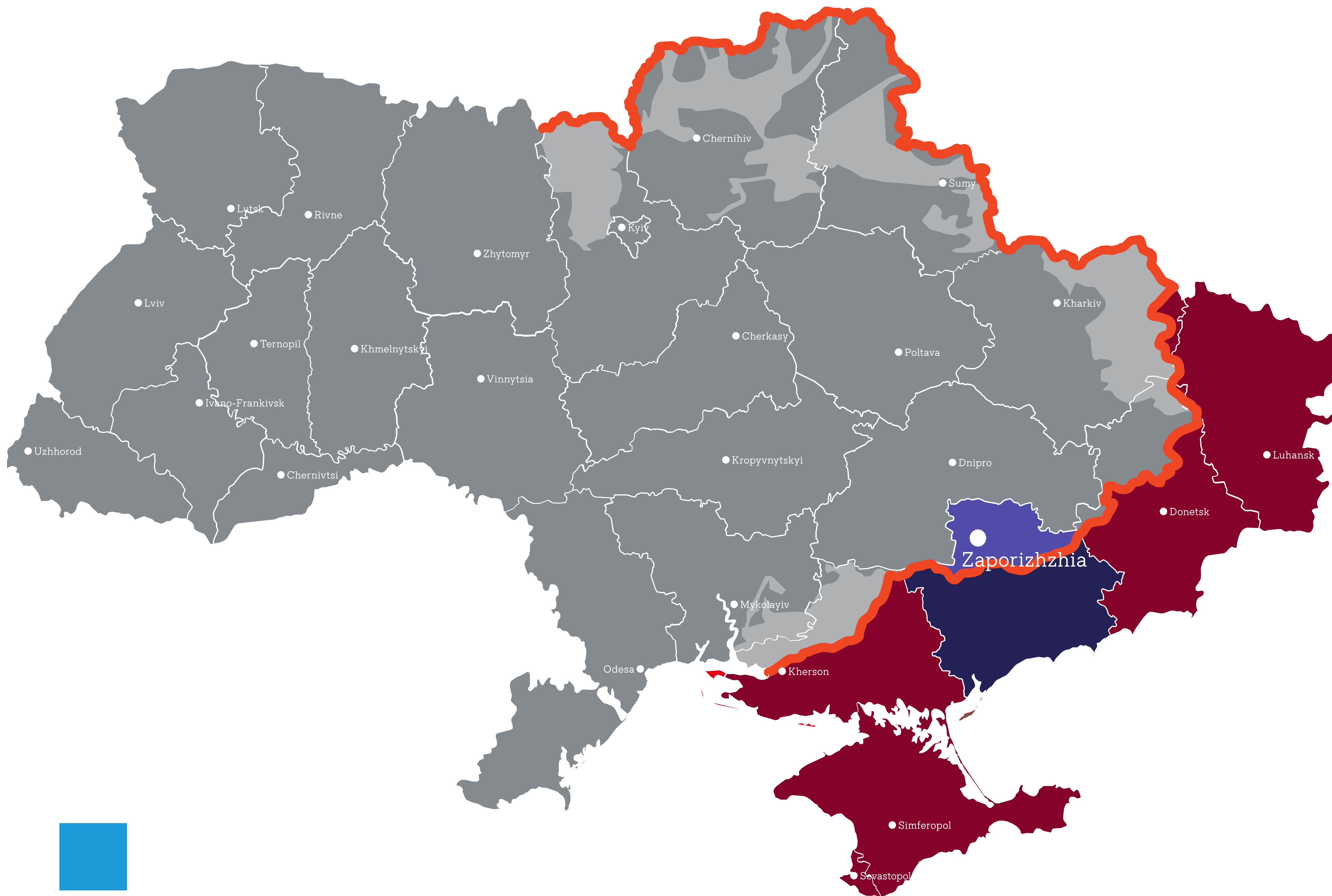
водоканал
запоріжжя



**RELIABLE WATER SUPPLY —
THE LIFEBLOOD OF THE CITY**



Водоканал
запоріжжя



23 km

**FROM THE
FRONT LINE**

400-700

**AIR AND ARTILLERY
STRIKES DAILY**



THE LARGEST MUNICIPAL ENTERPRISE IN ZAPORIZHZHIA

2800

EMPLOYEES

**PROVIDES
DRINKING
WATER TO:**

700,000

RESIDENTS OF
ZAPORIZHZHIA

100,000

RESIDENTS OF
ZAPORIZHZHIA REGION

9,000

BUSINESSES
IN THE CITY



THE DNIPRO RIVER IS THE SOURCE OF ZAPORIZHZHIA'S WATER SUPPLY

WATER
IS DRAWN FROM
DEPTHS OF
6-36 m

DNIPRO WATER
STATIONS HAVE
BEEN OPERATING
SINCE
1937



LENGTH OF WATER SUPPLY AND WASTEWATER NETWORKS:

WATER SUPPLY NETWORKS:

LENGTH

2 200 km

MAX DIAMETER

1 400 mm

WEAR RATE

66%

WASTEWATER NETWORKS:

LENGTH

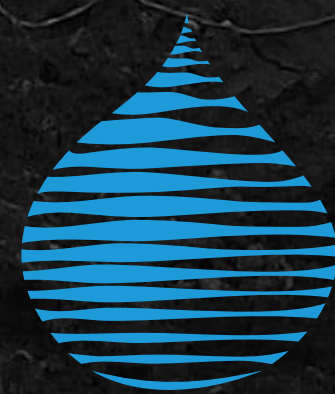
1 000 km

MAX DIAMETER

1 400 mm

WEAR RATE

70%



водоканал
запоріжжя

PROVISION OF WATER SUPPLY AND WASTEWATER SERVICES:

POPULATION:

2021

22084

2024

21424

DEVIATION (±)

660

LEGAL ENTITIES:

2021

24884

2024

16455

DEVIATION (±)

8429



CAPACITY OF SEWAGE PUMPING STATIONS

(thousands of cubic m/day)

DESIGN CAPACITY
FOR WASTEWATER
TREATMENT:

LEFT BANK

280

RIGHT BANK

110

AVERAGE DAILY ACTUAL
VOLUME OF TREATED
WASTEWATER DURING
THE WAR:

LEFT BANK

66

RIGHT BANK

22



THE IMPACT OF THE WAR ON THE WORK OF THE ENTERPRISE



DESTRUCTION OF WASTEWATER TREATMENT FACILITIES:

FROM 2022 TO 2025, ZAPORIZHZHIA EXPERIENCED MASSIVE SHELLING AND DRONE ATTACKS, DAMAGING CRITICAL INFRASTRUCTURE, PARTICULARLY WATER SUPPLY AND WASTEWATER SERVICES.



RISKS OF WASTEWATER ENTERING THE DNIPRO RIVER:

DAMAGE TO THE WASTEWATER SYSTEM CAN CAUSE UNTREATED WASTEWATER TO ENTER THE DNIEPER, WHICH THREATENS TO DETERIORATE WATER QUALITY, SPREAD INFECTIONS, AND HAVE ENVIRONMENTAL CONSEQUENCES.



DAMAGE TO FACILITIES AND NETWORKS DUE TO SHELLING:

NETWORK SECTIONS, COMPANY FACILITIES, AND SPECIAL EQUIPMENT WERE DAMAGED, IN PARTICULAR, A TOWER TRUCK WAS DESTROYED, AND THE DRIVER DIED.

RISKS AND CHALLENGES



POWER OUTAGES AT FACILITIES DURING ATTACKS

POWER OUTAGES DISRUPT WATER SUPPLY AND WASTEWATER OPERATIONS. ZAPORIZHZHIA VODOKANAL MAINTAINS FUNCTIONALITY USING 138 GENERATORS (RANGING FROM 2 KW TO 1.8 MW) WITH A TOTAL CAPACITY OF 12.7 MW, CONSUMING OVER 80,000 LITERS OF FUEL PER DAY.

SHORTAGES OF EQUIPMENT, REAGENTS, AND FUEL

DURING THE WAR, THE COMPANY FACED SHORTAGES OF REAGENTS, EQUIPMENT, AND FUEL, WHICH FORCED IT TO INCREASE ITS RESERVES, LOOK FOR NEW SUPPLIERS, AND MAKE EMERGENCY WORK MORE DIFFICULT.

STAFFING CHALLENGES

THE ENTERPRISE IS EXPERIENCING A WORKFORCE SHORTAGE: OF 2,518 POSITIONS, THE STAFF IS 10% BELOW FULL CAPACITY. OF THE 282 VACANCIES, 235 ARE SKILLED LABOR POSITIONS (PLUMBERS, WELDERS, ELECTRICIANS, DRIVERS, ETC.).



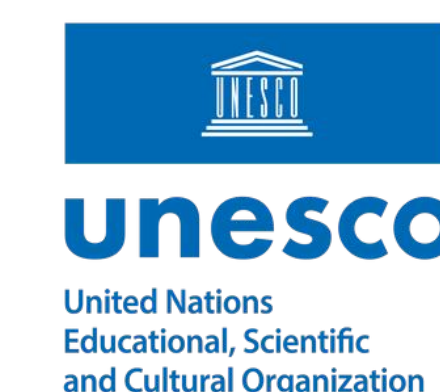
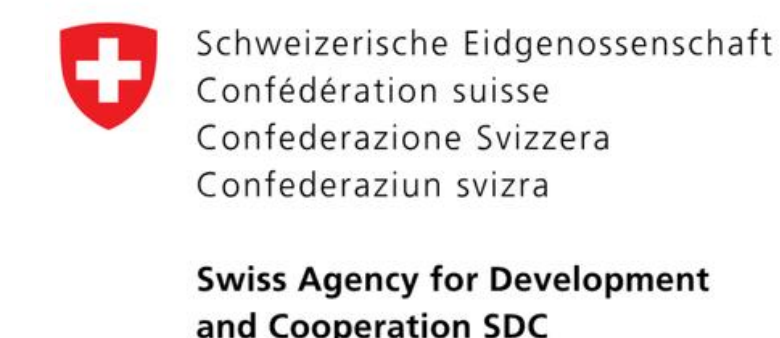
INTERNATIONAL AND STATE SUPPORT

SINCE 2022,
THE ENTERPRISE HAS
RECEIVED VARIOUS
FORMS
OF ASSISTANCE
EXCEEDING

UAH 517,000,000
(EUR 12,000,000)



USAID
FROM THE AMERICAN PEOPLE



European
Union





ENSURING UNINTERRUPTED OPERATION



UNDER MARTIAL LAW, THE ENTERPRISE IMPLEMENTS COMPREHENSIVE MEASURES. ITS FACILITIES ARE EQUIPPED WITH PROTECTIVE STRUCTURES, SUCH AS GABIONS AND SANDBAGS, PROVIDING ADDITIONAL SAFETY DURING SHELLING.

ENTERPRISE DEVELOPMENT STRATEGY



INCREASING ENERGY EFFICIENCY

INSTALLATION OF COGENERATION AND SOLAR SYSTEMS TO REDUCE ENERGY CONSUMPTION AND ENHANCE ENERGY SECURITY.



MODERN WASTEWATER TREATMENT TECHNOLOGIES

IMPLEMENTATION OF MODERN WATER TREATMENT TECHNOLOGIES TO COMPLY WITH EU AND UKRAINIAN STANDARDS. ENSURING PROPER WASTEWATER TREATMENT QUALITY. ADDRESSING THE CONSEQUENCES OF THE DNIEPER'S SHALLOWING AND THE DECREASE IN WATER LEVELS FOLLOWING THE DESTRUCTION OF THE KAKHOVKA HYDROELECTRIC PLANT.



REGIONAL AND INTERNATIONAL PARTNERSHIPS:

EXPANDING COOPERATION TO IMPROVE WATER AND WASTEWATER SYSTEMS.

RESTORATION NEEDS ASSESSMENT



RECONSTRUCTION OF TREATMENT FACILITIES

THE CENTRAL WATER TREATMENT FACILITIES REQUIRE MODERNIZATION DUE TO WEAR AND LOW EFFICIENCY. THE DESTRUCTION OF THE KAKHOVKA HYDROELECTRIC PLANT HAS CAUSED A DROP IN WATER LEVELS, THREATENING WATER QUALITY AND PUBLIC HEALTH SAFETY.



MODERNIZATION OF PUMPING STATIONS

AT THE PUMPING STATIONS, EQUIPMENT HAS BEEN REPLACED: 16 PUMP UNITS AND 8 FREQUENCY CONVERTERS WERE INSTALLED DURING MARTIAL LAW.



REPLACEMENT OF DAMAGED NETWORK SECTIONS

OF THE 3,200 KM OF NETWORK, 2,100 KM (66%) REQUIRE REPLACEMENT. FROM 2022 TO 2025, THE FOLLOWING WORKS WERE COMPLETED:

- REPLACEMENT OF 63.3 KM OF NETWORK;
- INSTALLATION OF 1,387 VALVES;
- INSTALLATION OF 606 FIRE HYDRANTS.

TOTAL LOSSES AND RESTORATION NEEDS

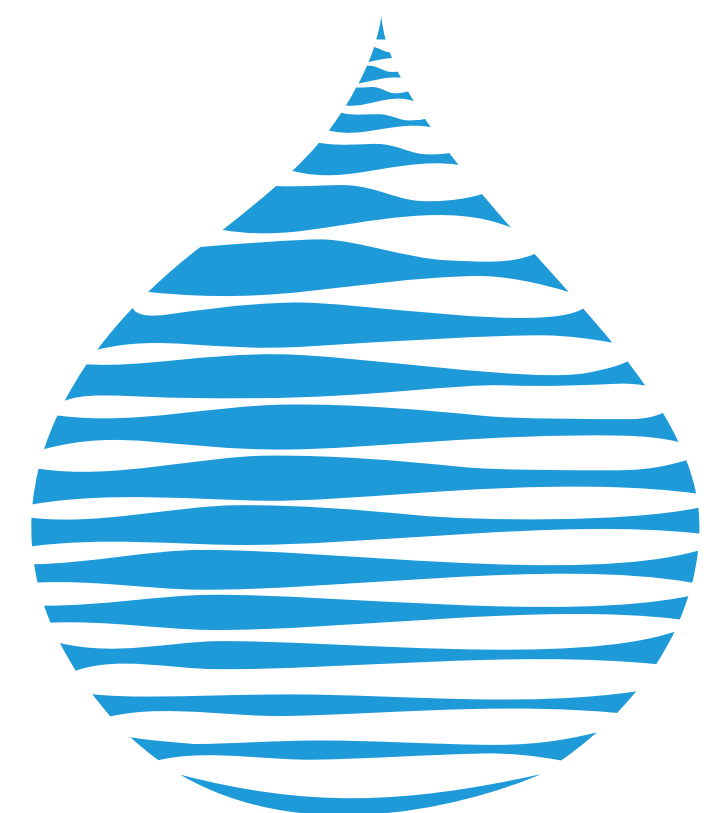
UAH 4,400,000

WATER SUPPLY NETWORK
AT THE DNIPRO
HYDROELECTRIC FACILITY
STRUCTURES

UAH 1,200,000

KHORTYTSKA PUMPING
STATION (RESTORATION
OF RESERVOIR NO. 2)





водоканал
запоріжжя

WATER FOR ZAPORIZHZHIA — LIFE FOR UKRAINE!

WWW.VODOKANAL.ZP.UA

