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Newsletter

September
2021

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USAID enables more stable and reliable heat supply for one million households in Kyiv

Photo: USAID ESP

An agreement between the European Bank for Reconstruction and Development and the city of Kyiv on providing the Ukrainian capital with a Euro 140 million loan to modernize its heat supply infrastructure and optimize business processes at CU “Kyivteploenergo” (KTE) was signed at the beginning of September at the CHP-5 site in Kyiv.

This loan is the result of three years of preparatory work, during which the USAID Energy Security Project worked with Kyivteploenergo to modernize operating activities, financial control systems and to strengthen technical capabilities. Kyivteploenergo now has better opportunities to plan long-term strategic investments in its infrastructure and provide more stable and reliable heat supply for one million households in Kyiv.

Read more

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Consultation Meeting of International Development Partners on the challenges for the upcoming heating season

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USAID ESP experts gave a brief overview of the situation that has emerged because of the unreadiness of the heat supply sector before the abolition of PSO for district heating companies against the backdrop of a rapid increase in gas prices. Although district heating companies can purchase gas from Naftogaz at prices much lower than market levels, it is unlikely that most companies will be able to pay on time and in full for energy products that are needed for heat production. This is caused not only by unfavorable external factors but by the inconsistency of the regulatory environment with recent requirements of the gas market, which have led to the inability to properly consider the changes in energy resource prices in tariffs, the inconsistency of gas and heat payment conditions, and low payment discipline. The experts noted that to minimize negative consequences in the short run, although it seems a step backwards, a temporary return to gas price regulation for district heating may be justified.

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Market Concentration in the Burshtyn Electricity Trading Zone: Analysis and Recommendations of ESP Experts

During a roundtable on “Market Concentration in the Burshtyn Electricity Trading Zone,” experts from the USAID Energy Security Project (ESP) and the Energy Community Secretariat presented an analysis and recommendations on market concentration in the wholesale electricity market and how to facilitate its liquidity. The analysis and recommendations were prepared at the request of the National Energy and Utilities Regulatory Commission (NEURC). After the presentation, a lively discussion took place on developing mechanisms and approaches to address concentration in the wholesale electricity market and facilitate improved liquidity, as well as possible ways to ensure competition and promote market development.

Read more

Roundtable tackles questions of electricity trade and supply in the new market

USAID Energy Security Project (ESP), the National Energy and Utilities Regulatory Commission (NEURC), transmission system operator Ukrenergo, and the Energy Community Secretariat held a roundtable on electricity trading and supply under the new market model. Attendees discussed the experiences of traders and suppliers as well as the needs and issues of market participants operating in the newly liberalized retail and wholesale electricity markets. Over 150 suppliers, traders, and NGO representatives joined the discussion.

Read more

Findings and recommendations on Combined Heat and Power Plants (CHP) Cost Allocation for Ukraine

USAID Energy Security Project presented its findings and recommendations on Combined Heat and Power Plants (CHP) Cost Allocation for Ukraine based on international experience to International Development Partners.

The findings describe international cost allocation practices between power and thermal energy in CHPs, analyze cost-allocation practices for gas-, coal-, and renewable-fired cogeneration, as well as the legal and regulatory framework for cogeneration activities in 12 EU countries.

Given the current situation in Ukraine, the ESP recommends implementing cost allocation improvements in a two-phases: short term – introducing cost-sharing based on outputs MWhe and MWht instead of fuel inputs; in the longer run, exergy or alternative supply method is recommended.

Conclusions and recommendations are aimed to assist the National Energy and Utilities Regulatory Commission (NEURC) in deciding how best to allocate the costs of combined heat and power plants, with the broader objective of improving tariff regulation in the district heating sector.

Educating regional journalists to understand and communicate effectively about renewable energy

The field of renewable energy is growing and changing so rapidly that most people do not have up-to-date information. This problem is particularly acute for regional media reporters. To fill this gap, the United States Agency for International Development (USAID) launched the initiative “Renewable Energy Education for Regional Journalists” through its Energy Security Project (ESP). ESP partnered with local non-governmental organization (NGO) Vinnytsia Press-Club to implement the initiative.

This initiative has increased awareness of renewable energy and its development prospects among both regional journalists and their audiences. It may also create more experts in the future: with the courses and publications occurring at the end of school year, ESP and Vinnytsia Press-Club also reached out to high school graduates to promote this issue and encourage them to pursue careers in renewable energy.

Read more

Photo: USAID ESP

Encouraging Youth to Build Careers in Energy and Power Engineering

A poll of Ukrainian students found that just one percent are interested in a career in energy. Among other barriers, gender stereotypes deter girls from pursuing energy sector jobs: many people still feel that energy is a male business and not a career option for women. When girls and women hear these stereotypes and opt out of energy professions, it reinforces the gender imbalance in the sector, creating a cycle of exclusion.

To challenge existing stereotypes and motivate girls to choose energy specialties and plan careers in energy, the USAID Energy Security Project and the NGO CSR Ukraine have implemented a series of activities that successfully promote energy professions. These initiatives include hackathons for girls, developing and distributing the booklet “Your future in the electricity sector” contest for career guidance, and the online course “Careers in energy are cool!”.

Read more

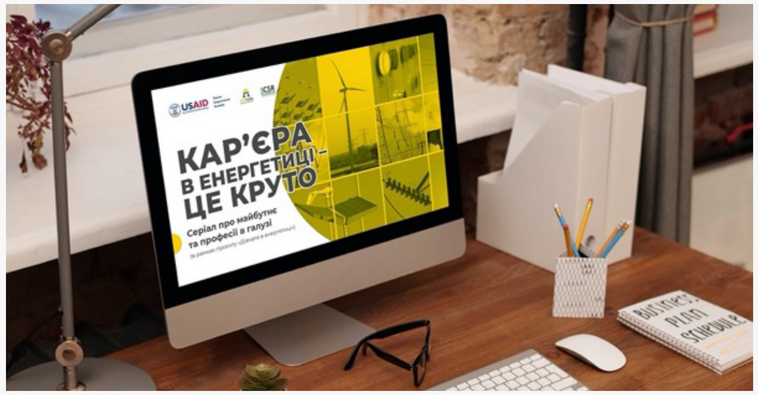

Photo: USAID ESP

Training course on power system analysis for technical staff at NPC Ukrenergo

USAID ESP has launched a training course on power system analysis using DIgSILENT PowerFactory for the technical staff of NPC Ukrenergo involved in planning the Integrated Power System (IPS) of Ukraine.

The training is designed to build Ukrenergo’s internal capacity to successfully navigate the integration of Ukraine’s IPS into the European Network of Transmission System Operators for Electricity (ENTSO-E) power system and is in line with the current Network Development Plan (NDP) for 2022-2032.

The training program covers:

- Model Creation, Load Flow and Short-Circuit calculations.
- Validation and Fine-Tuning of a Power System DIgSILENT Model for Power System Analysis.
- Transmission network planning, Variations and Operation Scenarios and Harmonization with NDP.
- Database Management.
- Advanced Handling of Network Models.
- Contingency and Reliability Assessment.
- Dynamic Modelling.
- Stability Analysis.
- Advanced Power System Simulations and Functionalities.
- Protection and Relay Coordination Trainings.

Market Operator has received an ISO 37001 certificate for its anti-corruption policy

With the support of the USAID ESP, Ukraine's Market Operator has received an international certificate for compliance of the company's anti-corruption policy with the requirements of International ISO 37001.

The anti-bribery management system described in ISO 37001 is considered the international standard in combating corruption and provides a system to detect and prevent bribery and promote an anti-corruption culture through the adoption of a formal anti-bribery policy and developing internal resources to monitor compliance with established financial and commercial controls.

Compliance with the standard requirements involves applying practical measures aimed at significantly reducing the risk of corruption, including reporting and investigation authorities.

By adhering to these clear mechanisms for prevention, surveillance and timely response to concerns, SE «Market Operator» will send a clear signal opposing corruption among market participants.

In addition, compliance with anti-corruption codes of conduct by all enterprise employees will help to avoid potential risks of bribery and participation in corrupt practices, which will increase the confidence of market participants in SE «Market Operator.»

PECB MS

BEYOND RECOGNITION

CERTIFICATE

PECB MS hereby certifies that the management system of

State Company "Market Operator"

27, Symona Petliury Str., 01032, Kyiv, Ukraine

Has been assessed and found to be in accordance with the management system requirements in

ISO 37001:2016

Certification Scope:

The Anti-Bribery Management System includes the organization of purchase and sale of electricity on the day-ahead market and intraday market, ensuring the balance between supply and demand in the electricity market

Nick Hundozi
Operations Director

Certificate No.	C1206-ABMS12-08-21
Certified since	2021-08-09
Valid from	2021-08-09
until	2024-08-08

**Subject to annual surveillance audits*

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A series of trainings on gender equality for the staff of Ukrhydroenergo

In September USAID ESP and Ukrhydroenergo launched a series of trainings on gender equality, a second training session was held for employees representing both the central office and regional branches.

The goal of the training program in the "Train the Trainer" format is to provide knowledge about gender and gender equality, to equip the participants with skills to identify gender inequality and discrimination, and to teach gender sensitivity and gender culture.

The knowledge and practical skills acquired by the participants will help to ensure equal rights and opportunities for everyone both in the workplace and in everyday life. The training program will last four months and is implemented in the format of mixed learning (live and remote trainings).

A wide range of formats for working with students of the training program (mini-lectures, presentations, brainstorming, work in small groups, discussions, and debates) is designed to diversify the training and promote better learning of the training material.

Upon successful completion of the training, course participants will receive a trainer certificate on gender issues. This provides a new step in recipients' professional development and an opportunity to independently teach gender equality to colleagues, thus promoting equal professional opportunities for all employees of PJSC Ukrhydroenergo.

OUR GRANTEES' ACTIVITIES

Photo: IFNTUOG

For the second year, a new cohort of bachelor's program students in "Renewable Energy Engineering" will study in Ivano-Frankivsk

Dean White, USAID Energy Security Project Chief of Party, welcomed the students online. He recalled that a year ago, USAID decided to launch the Renewable Energy Engineering Bachelor Program to help the RE Sector to meet the demand for qualified specialists and fill the gap between educational capacities of Ukrainian universities and sector demand for specialists with practical knowledge and skills.

«Thanks to USAID support, the University has managed to equip the modern labs and engage knowledgeable teachers to ensure the students of the Renewable Energy Engineering Bachelor Program gain knowledge and skills required by Ukraine's renewable energy sector. I believe, that upon completion of this Program, you will enter the labor market having a set of competitive advantages: your high diploma scores and practical skills, impressive history of internships and practices in the best Ukrainian energy companies, the reputation of the University, and the image of the Program funded by USAID implemented via the Energy Security Project,» – USAID ESP's Chief of Party commented.

More details

More efficiency, fewer emissions. One of Kyiv's CHPs was upgraded with a new economizer

According to preliminary calculations, a condensing economizer at CHP-5 will generate 156,000 Gcal /year without the need for additional fuel. It will allow Kyivteploenergo utility company to reduce gas consumption by 20.3 million cubic meters of gas per year and accordingly save UAH 142 million. The installed economizer will allow to reduce CO2 and NO2 emissions correspondingly by 14,000 and 40,000 tons per year.

More detail

In search of better prices and service: how to switch gas suppliers?

Already for more than a year, Ukrainians have been free to switch gas supplier. According to NEURC, almost 860,000 customers have already taken this opportunity.

More details

OUR GRANTEES' ACTIVITIES

Energy cooperatives in Germany – a driver for the transition to renewable energy sources. How realistic is it for Ukraine?

Ukraine is a newcomer in the creation of energy cooperatives. The first energy cooperative "Sonyachne Misto" (Sun City) was created three years ago in Slavutich. A plant with total capacity of around 200 kW was located on the roof of three rented communal buildings. In June 2020 it began commercial generation, and for the first month of its operation it earned around UAH 107,000.

More details

Why are forecast systems important for renewable energy generation?

It's technically challenging to store electricity in a significant amount: it is usually generated and consumed almost simultaneously. For sustainable and reliable operation of the power system, it is very important to keep these processes in balance. Solar or wind power plants not only do not help to balance the power system but can even make it even more difficult. The electricity generated by solar and wind power plants is intermittent and depends on weather conditions that are non-controllable. To a certain extent, forecast systems allow to solve the problem of intermittence of solar and wind power plants: they allow to determine quite accurately the amount of electricity generation for several hours in advance.

More details

Tenders

Please find more details here.

Vacancies

Detailed info about requirements and responsibilities – at our website.

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