In 2016 modernization of heating networks at CAEPCO JSC facilities will be continued within the frames of public private partnership. Pavlodar heat networks LLP and Petropavlovsk heat networks LLP have an assigned task to achieve full elimination of over-normative losses by 2020.

Within five years it is planned to perform reconstruction of main and distribution heating networks with use of pre-insulated pipeline. Also it is planned to perform works for rehabilitation of isolation with use of PPU shell, installation of an automated system of commercial accounting of heat energy as well as construction of block type heating units. The project will be implemented thanks to an arrangement on extension of credit facilities for implementation the projects for modernization of heating networks of Pavlodar, Petropavlovsk and Ekibastuz cities between CAEPCO JSC and European Bank for Reconstruction and Development (EBRD). The modernization projects are also supported by the state program “Nurly zhol”. As it was mentioned by Erkyn Amirkhanov, President of CAEPCO JSC the executed agreement will allow continuing heating networks rehabilitation program, which began in 2011 by CAEPCO JSC in cooperation with EBRD. Second phase of the program is implemented within the frames of public private partnership. Thanks to the state support overall volume of financing at KZT 25,95 bln will be directed to the increasing of reliability and sustainability of heating system for the consumers of Petropavlovsk, Pavlodar and Ekibastuz cities within 2016-2020.

CAEPCO JSC
key indicators:

1 141 MW
installed electricity capacity

2 918 Gcal·h
installed heating capacity

3 047,5 mln kW·h
electric energy generation

3 309,1 thous. Gcal
heat energy generation

2 463,2 mln kW·h
transmission and distribution of electric energy

2 593,6 thous. Gcal
transmission and distribution of heat energy

(for 5 months of 2016)
**NEWS**

**IMPLEMENTATION OF THE INVESTMENT PROGRAM IN 2016**

- **investments** - 24 bln KZT
- electric energy growth **10.7%**
- installed capacity growth **5.4%**
- heat energy growth **2.2%**
- NOx emissions reduction **4.9%**

- comission and renovation **95 MW**

<table>
<thead>
<tr>
<th></th>
<th>2015 (actual)</th>
<th>2016 (plan)</th>
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</thead>
<tbody>
<tr>
<td>Electric capacity</td>
<td>1,141 MW</td>
<td>1,203 MW</td>
</tr>
<tr>
<td>Electric energy generation</td>
<td>6,529 mln kWh</td>
<td>7,228 mln kWh</td>
</tr>
<tr>
<td>Heat energy generation</td>
<td>6,273 thous. Gcal</td>
<td>6,408 thous. Gcal</td>
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</tbody>
</table>

**ONGOING PROJECTS**

- reconstruction of turbine #6 at Pavlodar CHP-3
- commissioning of new turbine unit #5 at Pavlodar CHP-3
- reconstruction of boiler #5 at Pavlodar CHP-3
- commissioning of boiler #12 at Petropavlovsk CHP-2
- construction of OL 35-110 kV – 70.5 km
- reconstruction of OL 35-110 kV – 19.2 km
- reconstruction of substation 10-220 kV – 17 units
- construction of 27.9 km of heating main networks
- rehabilitation of 5.3 km of isolation at heating networks

**VETERANS FORUM**

On June 21, 2016 in Pavlodar VIII republican forum of the veterans took place, which united more than a hundreds of famous professionals of the sphere from Kazakhstan, Russia and Kyrgyzstan.

The forum was arranged by Kazakhstan Electric Energy Association upon the support of PAVLODARENERGO JSC. “People met at the forum were establishing our power energy sphere, they managed to establish and maintain the potential which we are using until now”, - said Sungat Esimkhanov, the Chairman of the Committee for nuclear power supervisory and control of the Energy ministry of the RK.

All forum participants – are famous characters in the power energy sphere. The veterans are happy to share their valuable experience at any time.

“We are proud that we together with Kazakhstan Electric Energy Association have participated in the preparation of such an event as the veterans forum, - mentioned Oleg Perfilov, General director of PAVLODARENERGO JSC. – This meeting unites generation of a leading employees of the sphere, successfully implementing succession principles. We are happy to meet with our teachers and discuss issues of modern power energy sphere with them”.

**KZT 2.2 BLN FOR THE HOUSING IN PAVLODAR**

According to the Memorandum, signed in the May of the current year with Akimat of Pavlodar region, Central-Asian power energy company JSC (CAPEC JSC, shareholder of CAEPCO JSC) will finance construction of two social objects in Pavlodar.

Within 2016-2018 it is planned to construct multistory apartment house with a total area of 9,692 m² in Usolka micro-district and student dormitory for 200 places under KGKP “Pavlodar assembly college” with the priority for provision of places in the dormitory for the students with following degrees: welding practice (electric and gas welder) and energy supply (electric fitter of electricity networks and electric equipment). Central-Asian power energy company JSC for the implementation of these projects will allocate KZT 2.2 bln. The Akimat from its side intends according to the acting land legislation of the RK to assist in provision of a land plot and permission documents, necessary for construction and maintaining of the dormitory as well as construction of engineering and communication infrastructure to the construction objects. It stands to mention that CAPEC JSC annually participates in charitable and social projects. In Pavlodar CAPEC JSC supports operation of sanatorium “Energetik” and children’s holiday camp “Electronik”. In 2016 CAPEC JSC has acquired modern medical equipment for physiotherapeutic unit of sanatorium “Energetik”. Besides that CAPEC JSC allocated funds for construction of tennis center “Energetik”.

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In 2016 in CAEPCO JSC Group companies implements the “PROFENERGY” project aimed for support of young specialist. Within the frames of the project on June 20, 2016 in SEVKAZENERGO JSC the results of competition of scientific works among students of Petropavlovsk were summarized.

The competition was arranged together with high and mid-special educational institutions of Petropavlovsk among the third year students on the profiles of the company. “The competition was aimed to stimulation of scientific research of the students, involvement of talented and creatively active students to the company. Themes of the projects the students were selecting together with their research advisors. All projects more or less trigger the most actual problem of the production operations” – mentioned deputy head of the HR Department of SEVKAZENERGO JSC Nelly Kim.

Two winners of the competition were selected after consideration of all presented projects. Student of Petropavlovsk college of railways transport Maksim Burakov, who were presenting work on “Investigation of a problem of high deterioration of heating networks and methods of solution” were awarded by a scholarship from Petropavlovsk heat networks LLP in amount of 7 MCI that as of today amounts to KZT 14,847. Second winner was a student from North-Kazakhstan state university after M. Kozybayev Niyaz Seitpetdenov with the work on the theme “Methods and tools for seeking damages on OL 10 kV at phase to ground fault”. Winner received a scholarship from North-Kazakhstan regional electricity distribution company JSC in amount of 10 MCI (KZT 21,210). Students will be receiving monthly scholarship from the beginning of the new academic year and till graduation. Besides corporate scholarship, winners of the competition were awarded by personal diplomas.

The systematical work is undertaken in CAEPCO Group companies aimed at ensuring safety of working places, preventing accidents and professional illnesses.

For Safe Work

Subsidiary organizations implemented a practice of visualization of introductory briefings by means of presentational slides and movies. From 2015 companies perform photofixation of accident preventing trainings that allows monitoring and analyzing actions of the staff after the trainings and paying the attention to the adopted omissions.

“Department of environment, safety and labor protection of the Production and technical department of CAEPCO JSC arranges systematical audits, which evaluate condition of a safety and labor protection at the enterprises united to the Group of companies” – mentioned Ruslan Zinatulin, Head of the Department.

As he says majority of the incidents, traumas and accidents occur as the result of dangerous actions of people and not resulted from the labor conditions and equipment operation. At the enterprises of CAEPCO JSC since the current year the procedures of conducting of behavioral audits of safety will be implemented. Particularity of such audit is in the monitoring over actions of an employee and his working area during the process of performing production task with subsequent negotiation between an employee and an auditor. The purpose of the audit - warning and preventing of dangerous actions of employees and dangerous conditions.

Also the practice of conducting mutual/cross audits of safety between subsidiary organizations will be implemented in the Corporation. The first audit will be conducted in October of the current year at the enterprises of DAVLODARENERGO JSC. All executives of safety and labor protection units of the Group companies will meet at one place and conduct joint audit. The purpose of the event is to share the experience for creating safe labor conditions. As the whole as it was said by Ruslan Zinatulin such events are useful in revealing problems, which require work and actions and creating positive practice for developing and implementation at all enterprises of the Group companies.

Representatives of eight educational institutions of Astana and Akmola region concluded with Akmola electricity distribution company JSC the agreements on social partnership within the frames of the Program for supporting of young specialists.

The partnership is based on the principles of dual education, which allows combining education in the institution with obtaining of hands-on experience at the production. Thus the company received a possibility of creating qualified staff at the education stage and the students now have a chance to establish successful career in the future.

In the end of May within the frames of social partnership the Company has arranged a site visit to education-training area for the students of two faculties of capital's colleges during professional competition of operative repairs groups. Besides that in the district branches of the company ten students of power faculty of KazATU undertake an internship. In September students of a transport and communication college will also undertake an internship. Cooperation of AEDC JSC with profile educational institutions will stimulate rising of status of blue-collar jobs and popularization of technical professional education which is given special attention these days.

SUPPORT OF YOUNG SPECIALISTS

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