



Central Asian Energy Efficiency Support Program

Quarterly Performance Report
January – March 2013



Submitted by ICF International, Inc.

April 2013

This document was prepared for the United States Agency for International Development (USAID) by ICF International under Cooperative Agreement No. 176-LA-11-00003, Leader with Associates Cooperative Agreement AID-OAA-L-11-00003.

The contents are not the responsibility of USAID and do not necessarily reflect the views of the United States Government.

Central Asian Energy Efficiency Support Program (CAEESP)

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ICF International, Inc.

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Cover photo: Almaty Electricity System (ALES), CHP #2; all photos in the Quarterly Report were taken by CAEESP staff.

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ACRONYMS

ACF	Asian Credit Fund
ADB	Asian Development Bank
ALES	Almaty Electricity System
AO	Agreement Officer
AOTR	Agreement Officer's Technical Representative
CAEESP	Central Asian Energy Efficiency Support Program
CAR	Central Asian Republics
CAREC	Central Asia Regional Environmental Center
CHP	Combined heat and power station
DOE	US Department of Energy
DSM	Demand Side Management
EAA	Energy Auditor's Association
EBRD	European Bank for Reconstruction and Development
EE	Energy Efficiency
EnMS	Energy Management System
ESCAP	Economic and Social Commission for Asia and the Pacific
FY	Fiscal Year
GHG	Greenhouse Gas
GoK	Government of Kazakhstan
IFI	International Financial Institution
ISO	International Organization for Standardization
KAVEIK	Kazakhstan Association of High-tech, Energy Efficient and Innovative Companies
KEE	KazEnergyExpertize
KTR	Kazakhstan Technical Regulation Committee
LED	Low Emissions Development
MINT	Ministry of Industry and New Technologies
NAMA	Nationally Appropriate Mitigation Action
ORNL	Oak Ridge National Laboratory
PMEP	Performance Monitoring and Evaluation Plan
STTA	Short-term Technical Assistance
UNDP	United Nations Development Program
UNECE	United Nations Economic Commission for Europe
UNIDO	United Nations Industrial Development Organization
US	United States
USAID	US Agency for International Development
USG	US Government

1. INTRODUCTION

This Quarterly Progress Report, a deliverable under the Cooperative Agreement No. AID-OAA-L-11-00003-00, describes the activities and accomplishments of the **Central Asian Energy Efficiency Support Program (CAEESP)** during the period January – March 2013. The CAEESP was awarded to ICF International, Inc. in September 2011 and seeks to effectively lower the existing barriers to energy efficiency (EE) improvements in Central Asia, particularly Kazakhstan.

The CAEESP comprises the following five major Tasks:

- Task 1 - Initial Assessment and Prioritization (completed November 2011)
- Task 2 - Stakeholder Awareness and Education in Energy Efficiency
- Task 3 - Energy Efficiency Project Development and Financing Facilitation
- Task 4 - Support for Private Sector Energy Efficiency Service Providers
- Task 5 - Regional Analysis and Recommendations

The quarterly progress report is organized according to the four ongoing primary tasks, followed by sections on program coordination, reporting on progress made this quarter towards meeting the performance indicator targets, financial reporting and plans for the next quarter.

2. OVERALL QUARTERLY PROGRESS

Activity Highlights in this Quarter

- Three ISO 50001 gap analyses were conducted for major industries in Kazakhstan: KazakhMys, KazChrome and the Almaty Electricity System (ALES)
- An energy audit and energy management training was held in Pavlodar for municipal energy managers from three cities: Pavlodar, Ekibastuz and Aksu
- Support to the Asian Credit Fund was ongoing, including the completion of the draft manual for ACF energy efficiency loan clients
- CAEESP leveraged \$300,000 from USAID/Washington funds to design and pilot an energy efficiency Learning Portal and equipment database in Russian to serve the Central Asian region and other Russian-speaking countries
- Two success stories were completed for inclusion in the USAID annual clean energy report to Congress
- Project Director, Hoai Huynh, traveled to Kazakhstan for a project review meeting that was held with USAID in late January
- CAEESP presented USAID with suggestions for additional program activities in the event that there is a possibility of extension or increased funding

- CAEESP completed all of the technical, logistical and support activities for the Training Course on Business Planning for Energy Efficiency Projects which is being held in Almaty on April 3-4. The training is co-sponsored with UNECE, ESCAP and UNDP and will bring close to 70 participants from 24 countries to attend.
- Discussions are ongoing with Arizona State University concerning the possibility of leveraging CAEESP activities with funds under ASU's cooperative agreement in vocational and technical training in clean energy
- CAEESP organized two events that reached over 70 people during the quarter:

Date	Event	Attendees
February 7	KazkahMys kick-off event in Ust-Talovka	70
March 5-6	Energy audit training in Pavlodar	12
	TOTAL	72

Problems Encountered During Quarter. No significant problems were encountered during the quarter. However, KazPhosphate energy management staff at headquarters lacked the time and resources to schedule a review of the gap analysis report that was delivered last quarter. Mr. Tsvit, Corporate Energy Manager, has been out of the office for part of the time and is short-staffed. The meeting that was scheduled for presentation of the report and to discuss next steps has been delayed until the next quarter.

3. SUMMARY OF ACTIVITIES CONDUCTED

This section provides a summary of major activities conducted since the submission of the Annual Report in January 2013.

3.1 Task 2 – Stakeholder Awareness and Education in Energy Efficiency

The task of energy efficiency labeling training for the second electronics/white goods store chain (Tekhnodom) was successfully completed in January. At Teknodom's request, Bizhan Zhumangali prepared and sent presentation materials to Teknodom that will be used for their sales staff training program. Teknodom has confirmed that they will integrate parts of the presentation into their salesperson-consultant training and focus more attention to energy efficiency aspects in their training program. CAEESP covered two out of three main white goods/electronics chains, which make up most of the Kazakh market. We have planted the foundation for increased EE awareness of consumers in Kazakhstan, which will gradually increase the uptake of energy efficient products, leading to energy savings. The approach and expected results of this task stem directly from best practices established in developed countries.

The CAEESP team also supported the GoK's procurement policy for purchasing energy efficient products. ICF's EE expert, Bizhan Zhumagali, worked with KEE on the supporting documentation to include in their proposal to the government. KEE submitted this proposal to MINT in January and provided an update in April, saying that following the submission of the proposal 'Atameken', the National Economic Chamber of Kazakhstan, voiced concern that the national market was not ready for the proposal's implementation. In addition, they mentioned that the national EE label was still in the process of formation, thus actions at this time would be premature. Atameken and KEE agreed to wait until next year to pursue the proposal.

KAVEIK is planning to launch an energy publication in the coming months. Ideas were solicited by KAVIEK from energy sector stakeholders throughout the country, including CAEESP. CAEESP program staff prepared suggestions for articles on energy efficiency and energy technology. One article has already been completed on the ACF/CAEESP cooperation that will be submitted to KAVIEK for publication. Other articles are currently under preparation for future publication. These include articles on updates to implementation of the energy efficiency law, a comparative analysis of the ISO 50001 gap analysis completed under CAEESP, and a road map for municipal energy efficiency programs.

3.2 Task 3 - Energy efficiency project development and financing

Task 3.1 EE Project Development

A. Industrial Support

Cooperation with KazPhosphate: The auditing team conducted the gap assessment audit on-site at KazPhosphate's Novodzhambul Phosphoric Plant on 26 – 30 November 2012, for the purpose of assessing the key gaps of its existing EnMS to the requirements of ISO 50001. The team started its assessment by collection of preliminary data at the chief energy engineer's department, followed by further assessments at the plant's area of SEU. The assessment was mainly carried out through a series of interviews of key personnel involved in the respective plant's EnMS and limited documentation review.

In summary, the audit findings indicate that KazPhosphate already has a well-established, implemented and maintained EnMS operating since the plant was setup in the 1970s. KazPhosphate's top management (Mr. Tsvit) is very engaged on the plant's EnMS along with a strong competent team of energy management representatives throughout the plant and frequent detailed reports on energy performance are done, backed up with good energy data records. However, the existing EnMS still requires further level of additional development and improvement

to meet ISO 50001 criteria. The key issue, among others, is that the current EnMS is not setup to ensure continual improvement for its energy performance. The current EnMS has remained the same and hasn't improved ever since it was established. The reason for this could be broadly summed up to KazPhosphate's financial constraint while keeping up with its international competitors.

The report of the ISO 50001 gap analysis for KazPhosphate was completed in mid-January, translated and submitted to KazPhosphate at the end of January for review and comment. The DOE/ORNL report on the findings from the deep dive assessment was received in late January and was also reviewed by the team. Several comments were sent to the ORNL team requesting additional information. The report was also sent for translation. Both reports have been submitted to KazPhosphate for review and comment.



CAEESP staff tried to schedule a follow-up meeting in February to present and discuss the findings of the gap analysis report and the in-depth assessment conducted by ORNL staff. Presentations were prepared which summarized the findings for both of the reports. However, after several attempts to confirm a

meeting, Mr. Tsvit from KazPhosphate relayed to Vitaliy Bekker that he is very short-staffed, which is the reason for the delay in being able to review the gap analysis report. As of the end of March, a presentation had not yet been made to KazPhosphate.

Cooperation with KazChrome: The ISO 50001 pre-certification audit with KazChrome was completed during the quarter. Early in the quarter, a non-disclosure agreement was sent to KazChrome which was then reviewed by the legal department of KazChrome. Several iterations went back and forth between ICF and KazChrome's legal departments. In the end, KazChrome agreed to move forward without a non-disclosure agreement as long as CAEESP staff did not conduct an on-site visit at any of their facilities.

Yeen Chan and Vitaliy Bekker traveled to Aktobe on March 5 to complete the gap analysis at KazChrome. Prior to the site visit, it was not completely clear how far along KazChrome was in preparing their documentation for an upcoming pre-certification audit by TUV. Once the team started going through the documentation,

the focus quickly shifted from a gap analysis to a pre-certification review of the documentation to identify any gaps. The team was quite impressed with KazChrome's readiness for the ISO 50001 certification. Specific gaps have been identified and will be written up in a site visit report. KazChrome is in the process of having all of its sites certified and have gathered the documentation for the pre-certification audit. CAEESP reviewed general documentation and specific documents for one of the sites near Aktobe. Yeen Chan and Vitaliy Bekker conducted follow-up with KazChrome on their pre-certification audit documentation and review of the company's energy policy. The review of KazChrome's energy policy was completed, however, as of the end of the quarter, the full report is still being finalized.

Cooperation with KazakhMys: KazakhMys sent an official letter in early January requesting CAEESP assistance in conducting a gap analysis for their industrial site in Ust-Talovka village in Eastern Kazakhstan. The industrial site includes a copper-zinc ore mining facility, a processing plant, and the village water-heating boiler house and heat distribution system. An official letter of response was sent to KazakhMys to suggest a kick-off meeting during the week of February 4. Several high-level managers of KazakhMys were in Ust-Talovka during that week.



The CAEESP team (Mary Worzala, Vitaliy Bekker and Daniyar Buxukbayev) traveled to Ust-Talovka on Wednesday, February 6 for the kick-off meeting with KazakhMys on February 7. The meeting went very well, with energy managers and plant managers in attendance from all of KazakhMys mining and processing plants. There were over 70 people in attendance. Mr. Bachurin, Head of the Energy

Efficiency Department at KazakhMys, gave an overview of the company's plans to comply with the energy efficiency law. They are moving aggressively forward in developing energy action plans for the entire company. A consulting firm will be brought on board to work with each of the plants in a joint working group that will include technical and financial representatives in addition to the consultants. KazakhMys agreed to work with CAEESP, and the gap analysis was scheduled for the week of February 26.

ICF's gap analysis team (Yeen Chan and Daniyar Buxukbayev) for KazakhMys was in Ust-Talovka from February 25-March 1 to conduct the work. The team completed the gap analysis during the week, and finished with a briefing for KazakhMys energy

management staff at their headquarters in Astana on March 2. KazakhMys expressed interest in follow-up technical support to assist them in establishing an energy management system at their Ust-Talovka plants.

B. Municipal Support

At the beginning of the quarter, an official letter was received from Pavlodar akimat requesting assistance to conduct a seminar in energy audit and energy management for municipal building energy managers. The training is in support of the energy action plan for the oblast and fulfills a specific training need that was identified in the plan. After discussions with USAID, it was agreed that CAEESP could provide this support.

A two-day energy management and energy audit seminar, "Energy Assessment in the Municipal Sector", was designed to meet the specific needs of municipal energy managers. The seminar was conducted on March 6-7, 2013 by two ICF trainers and two invited speakers.



The invited speakers from Pavlodar oblast presented the current situation in energy efficiency and energy assessment. A speaker from the Energy Auditors Association also presented the legislative situation pertaining to energy audit companies. The invited trainer from Ukraine, Mr. Yuriy Lyagutko, shared his experience in creating an energy efficiency department in Kamenets-Podolskiy city

administration, and establishing a system of city energy management, conducting assessment and monitoring in municipal buildings such as schools, libraries and hospitals. Andrey Dodonov, presented modern energy efficiency technologies for municipal and residential buildings. On the second day, the participants had a chance to see the theories on practice by conducting a walk-through audit in one of the Pavlodar city schools. The trainers showed gaps in energy efficiency in the school's heating and water systems.

The number of participants (12) was less than expected, however the small number of participants allowed for a highly interactive workshop. Mr. Lyagutko's experience as an energy manager for a city in Ukraine was highly appreciated. He was able to mobilize funding to complete energy efficiency improvements at 40 municipal buildings. The participants appreciated the opportunity to meet and engage with Mr. Lyagutko who has established a model energy management system in his home city in Ukraine.



Participants found the topics of energy management and methods to establish a department on energy efficiency within a city administration to be useful (4.5 out of 5). Participants noted the value of learning from an expert from a country with similar historical background, but which was able to achieve better results.

There were no challenging issues, but participants expressed an interest in learning more about software tools, practical establishment of data monitoring system, how to plan energy efficiency measures, as well as about the

Covenant of Mayors, and any opportunities to visit Kamenets-Podolskiy for a study-tour and continue cooperation.

However, if the workshop is held again in another municipality, CAEESP will invite participants rather than relying on the energy management department of the oblast. As one outcome of the workshop, the representative of Aksu decided to join the Covenant of Mayors initiative. Aksu is interested in having a follow-up discussion on what other assistance CAEESP may be able to provide. KEE is also interested in following up the workshop to discuss the possibility of assistance in establishing an energy manager certification program for municipalities.

C. Support to the Power Sector

In December, CAEESP staff conducted a kick-off meeting with ALES to conduct an ISO 50001 gap analysis at one of the combined heat and power stations. On Thursday, February 21, the CAEESP team (Yeen Chan, Vitaliy Bekker and Daniyar Buxukbayev) visited ALES CHP-2 to conduct the gap analysis. The team interviewed headquarters staff and made a site visit to CHP-2 for observation and to obtain additional data. As of the end of the quarter, the gap analysis was still being completed. Additional information is being gathered from the staff at ALES in order to complete the analysis.

Several discussions were held during the quarter, both internally and with USAID, on next steps in the industrial sector/ISO 50001 certification work. Following the completion of the gap analyses reports, the next step will be to develop a comparative document that summarizes the findings and recommendations across the four industries. The objective is to describe the readiness of these four large industries for implementing energy management systems, and to develop recommendations for the government and other large industries. CAEESP will



present these results and recommendations first to government counterparts (MINT, KTRM) and then enlist their support in outreach to large and medium-sized industry to present the results.

Task 3.2. Financing Facilitation

3.2.a Support to the Asian Credit Fund

Andrey Dodonov completed work on the residential energy efficiency booklet for ACF. The booklet covers seven different energy efficiency measures that are potential household improvements. ACF is currently reviewing the booklet, and has been requested to provide comments by the end of April. Once those comments are addressed, this activity will be complete.

3.2.b Support to Financial Institutions

Late in the last quarter, UNECE approached CAEESP to coordinate with an energy efficiency financing conference that was being planned as part of UNECE and ESCAP's work program. CAEESP and USAID held discussions with UNECE regarding co-sponsorship of the energy efficiency financing workshop and it was agreed that CAEESP would support the training. Almaty was selected as the location for the workshop, and a memorandum of understanding about organizational responsibilities was prepared. CAEESP participation included providing all logistical and venue support as well as organizing a session with financial institutions.

During the quarter, all of the arrangements were made for hosting the training. Invitation letters were prepared and sent out to potential Kazakh participants including ten individual organizations and three associations (KAVEIK, Atameken, KazMuniGaz) for onward distribution to their members. Invitations were also sent out to financing institutions (IFC, World Bank, EBRD, Eurasian Development Bank and ADB) to invite representatives of these organizations to participate on the financing panel. As of the end of the quarter, registration for the workshop was capped at 70;

with a waiting list of 3-4 people. A press release was prepared and is being sent out by USAID in Almaty. Talking points were prepared for Michael Trueblood, who will participate in the opening panel to welcome participants to the workshop. Participants are expected from 24 countries, including all of the countries of the Central Asia region. The energy efficiency projects that they will prepare come from all of the sectors: industrial, commercial, municipal and residential sectors.

3.3 Task 4 - Support for Private Sector Energy Efficiency Service Providers

A preliminary meeting was held with representatives of the Energy Auditors Association (EAA), Mr. Dauren Tokbayev and Engr. Yevgeny Kravtsov, to discuss areas where CAEESP may be able to cooperate with EAA by providing technical assistance to the association's members. Several areas were identified, including cooperation in the development of energy audit standards, cost methodology, publications, workshops, etc. A second meeting was held with representatives of the Energy Auditors Association (EAA), where it was agreed that CAEESP will participate with EAA in their membership meeting to review and discuss the energy audit certification process. A representative from EAA, Mr. Asan Akaev from EnergoAudit, participated in CAEESP's energy audit workshop in Pavlodar, presenting an update on energy audit certification process and standards.

The Institute of Nuclear Power sent a letter requesting that CAEESP conduct a seminar for representatives of the nuclear industry. They suggested that the Nuclear Society of Kazakhstan is ready to provide accommodation for the seminar and proposes to hold the seminar in Astana. The Institute was also interested in participating in the energy audit training conducted in Pavlodar, however was not able to send anyone once the training was scheduled. Further cooperation is still under discussion.

3.4 Task 5 – Regional Analysis and Recommendations

At the beginning of the quarter, USAID received a request from the State Committee for Nature Protection through the Uzbekistan Mission regarding the possibility of providing assistance under CAEESP to the newly established Central Asia Regional Center on Renewable Energy Sources. USAID responded to the request with the possibilities that had been proposed for Turkmenistan, however no further action has been taken.

CAEESP staff has been supporting the Central Asia Regional Environment Center (CAREC) in the Covenant of Mayors kick-off meetings in the Central Asian region. We were informed in mid-February that there would be a kick-off meeting in Dushanbe during the period February 25-28. Unfortunately, CAEESP could not participate due to other commitments. CAREC is also organizing a kick-off meeting

in Tashkent, Uzbekistan at the end of April/early May and in Ashgabat, Turkmenistan in June.

CAREC also proposed cooperation with CAEESP in energy auditing and energy efficiency training in Tajikistan and Uzbekistan in support of CAREC's work in developing Nationally Appropriate Mitigation Action (NAMA) Plans for the countries in the Central Asian region. CAEESP is cooperating with CAREC on the design of energy auditing and energy efficiency training for Uzbekistan and Kyrgyzstan. In both countries, the focus of the training will be on boilers, with the training content to be designed jointly by CAEESP and another contractor on the CAREC consortium. Vitaliy Bekker and Andrey Dodonov developed a draft agenda for a two-day training for the boiler workshop, which is currently under review. The workshop will be held in May or June, with dates to be confirmed.

4. PROGRAM COORDINATION

While visiting ICF headquarters the first week of January, Mary Worzala met with ICF senior staff to obtain a better understanding of ICF capabilities in areas relating to CAEESP activities. She also met with DOE's John Cabaniss to brief him on CAEESP activities and discuss potential for further collaboration under the DOE program. In late January, ORNL submitted the assessment report for the Karaganda maintenance facility boiler house with recommendations for improvements. The report was translated and delivered to the management of the maintenance facility.

Discussions continued with Arizona State University (ASU) regarding opportunities to work together on the learning portal and other capacity-building activities. ASU has an LWA with USAID for vocational and technical training. ICF and ASU will exchange information about their programs and further develop a plan for leveraging the two LWAs. Materials are being exchanged between CAEESP and Arizona State University with the possibility of collaboration on the Learning Portal. ASU recently developed a comprehensive online source for climate change communications (climate.asu.edu) that has just been launched. This experience could be leveraged and provide feedback in the design of the learning portal and additional content for the portal. Several specific areas were identified; these will be proposed to upper management of the Global Sustainability Center at ASU, and if supported, ASU will send a representative to Kazakhstan to more fully elaborate a proposal for complementary activities.

During the last quarter, a proposal was developed for the Central Asia Energy Efficiency Learning Portal (CAEELP) for possible funding under the LWA for pilot activities. In January, the Learning Portal proposal was discussed with USAID/W and several revisions were suggested. Most important was to address the issue of sustainability by finding a local or regional partner that could provide a "home" for

the Portal when it was completed. The CAREC was approached to serve as the eventual owner of the Portal. CAREC enthusiastically agreed to work with CAEESP to develop and house the learning portal, and agreed to seek additional funding from the German development funds to support CAREC's maintenance work. The Learning Portal proposal was approved by USAID/Washington in late March. While not a specific task under CAEESP, this is an exciting development and will nicely complement the ongoing activities under CAEESP and other energy efficiency activities in the region.

5. MONITORING AND EVALUATION

Table 2 provides an update on the progress towards meeting the CAEESP program performance targets during the quarter.

Table 2. Year 2 Indicator Targets and Achievements This Quarter

Task Level Intermediate Results (IR) – Indicators, Targets, Milestones		
Indicator	Target	Achieved this Quarter
IR 1: Raised stakeholders' awareness of the importance of, and opportunities for, energy efficiency as a means of reducing end-user costs and GHG emissions		
Indicator 1.1: Number of awareness/outreach activity/events held	8	2
Indicator 1.2: Number of institutional stakeholders, firms, and industry targeted by awareness campaigns	50	4
Indicator 1.3: Number of people covered by awareness campaigns	250	72
IR 2: Commercial banking sector is interested in developing lending products targeted at energy-efficiency investments		
Task 2: Stakeholder awareness and education in energy efficiency		
Indicator 2.1: Number of awareness/orientation/education activity implemented targeting financial sector	2	1
Indicator 2.2: Number of financial institutions represented in project sponsored activities	3	4
IR 3: Increased private sector investment in energy efficiency measures		
Task 3: Energy efficiency project development and financing facilitation		
Indicator 3.1: Number of energy efficiency action plans leveraged	7	4
IR 4: Increased private sector capacity in developing and implementing energy efficiency projects		
Task 4: Support for private sector energy efficiency service providers		
Indicator 4.1: No. of people receiving USG supported training in energy auditing, ESCO and EPC practices; low-cost measures; voluntary energy efficiency policies, strategies and techniques	40	26
Indicator 4.2: Number of companies with increased capacity to develop and implement energy efficiency projects	7	3

6. FINANCIAL SUMMARY

For the second quarter of FY13, the budget summary follows, prepared to align with budget categories in the Cooperative Agreement:

7. ADMINISTRATIVE AND CONTRACTUAL MATTERS

Mr. Hoai Huynh, ICF Project Director, traveled to Almaty to conduct project review meetings with CAEESP staff and with USAID, conduct staff performance reviews and discuss possible additional tasks. A project review meeting was held at USAID with the Energy and Environmental team, Sharon Hsu and representatives from Kyrgyzstan and Tajikistan on Thursday, January 31. A follow-up meeting was held with Economic Growth Office Director, Michael Trueblood, on Friday, February 1. The meetings covered on-going and planned activities as well as ICF proposals for additional activities if CAEESP can be extended. USAID staff expressed satisfaction with the ongoing work and suggested the possibility of an extension.

The Quarterly Report for the period October – December 2012 was finalized and submitted in January. A draft communications plan for the remaining months of the project was completed. The communications plan proposes case studies, articles and strategic recommendations based on the experiences of CAEESP. While not a formal deliverable under the cooperative agreement, the communications plan provides a road map for external communications for CAEESP. The two success stories that were included in the Annual Report, the ACF cooperation on residential micro-loans

and the ISO 50001K training, were updated to reflect the developments in the past quarter. These two success stories were submitted to USAID/W (through the Mission) for consideration for the clean energy report to Congress.

In March, USAID suggested the possibility of CAEESP conducting a capabilities mapping analysis for the implementation of the energy efficiency law in Kazakhstan, and more broadly, the reduction in energy intensity in the country. A proposal to conduct a national capability mapping study for reducing energy intensity in Kazakhstan was submitted to USAID. The team proposed consists of a Team Leader, (Dr. Hameed Nezhad), Senior Energy Policy Expert (Bill Prindle) and Energy Efficiency Specialist (Bizhan Zhumagali), with support from our sector specialists (Andrey Dodonov and Vitaliy Bekker) and German Trofimov to support the analysis. The existing budget for CAEESP is not sufficient to complete this study, so a separate budget was prepared. The proposal anticipates that the work will be conducted by a three-person team during the May-July timeframe. At the end of the quarter, USAID was reviewing the proposal.

8. PLANS FOR NEXT QUARTER

Each of the tasks is listed below, with expected activities for the next quarter.

Task 2 – Stakeholder awareness and education

- Develop articles on ISO gap comparative analysis, energy law implementation update for publication
- Develop municipal energy road map
- Seek out and continue to participate in energy efficiency events organized by other stakeholders
- Conduct energy audit and energy management training in Ekibastuz
- Follow-up with Al-Farabi University, Nazarbayev University and others on possible collaboration on energy educational programs

Task 3 - Energy efficiency project development and financing facility

- Presentation of the report and the ORNL report to KazPhosphate management
- Finalize gap analysis reports for KazChrome, ALES and KazakhMys
- Provide follow-up assistance to KazakhMys, ALES, KazChrome and KazPhosphate, if requested
- Develop case studies based on ISO 50001 gap analyses work
- Finalize text for ACF booklets

Task 4 - Support for private sector energy efficiency service providers

- Develop road map for energy management systems implementation in industry
- Develop and begin implementation of strategy for energy auditor certification and ISO 50001 certification with government

Task 5 - Regional analysis and recommendations

- Conduct the energy efficiency financing workshop co-sponsored by UNECE and ESCAP; synthesize participant evaluations from workshop
- Develop regional contacts for Learning Portal
- Participate in CAREC NAMA workshops in Uzbekistan and Kyrgyzstan as timing allows
- Participate in CAREC Covenant of Mayors events, as resources permit