



CAREC Energy Sector Coordinating Committee Meeting

8 November 2017

1:00pm-4:00pm, Manila Time (through videoconference)

Objectives of the meeting:

1. Update on on-going activities
2. Share plans for 2018
3. Discuss country and development partner priorities

8 November 2017 (Wednesday)

<p>Welcome Remarks by Ashok Bhargava, Director of the Energy Division, Central and West Asia Department, Asian Development</p>	<ul style="list-style-type: none"> • Mr. Bhargava opened with a few words and congratulated those who have taken the initiative to focus on high technology in their government strategies. He introduced Ms. Gupta as the incoming director for ADB East Asia Department and proceeded with country introductions.
<p>Update on CASAREM projects TUTAP, TAP and CASA 1000</p> <p>Asad Aleem, Asian Development Bank</p>	<ul style="list-style-type: none"> • Mr. Aleem on the TAP project: The project was conceived in 2015 by Turkmenistan, Afghanistan, and Pakistan heads of government to go for power interconnection project: power transmission infrastructure to enable power trade between the three countries utilizing TAPI gas pipeline corridor After 4 technical tripartite meetings, the Joint Ministerial Statement has been endorsed by all 3 countries and expected to sign by Q1 2018. AFG component of TAP project is scheduled for approval in 2018. • Mr. Aleem detailed the updates on TUTAP: Turkmenistan, Uzbekistan, Tajikistan, Afghanistan, Pakistan Power Interconnections Framework. Phase 1 (approved 2003, commissioned 2009) AFG-UZB connection operational 2009. Phase 2 (approved 2007, commissioned 2011) AFG-TAJ connection operational 2011. Phase 3 (approved 2012, under implementation) AFG-TKM connection expected to complete by 2019. Phase 4 (approved 2015, contract awarded 2017) extend AFG-TKM interconnection to meet CASA-100 TAJ-KYZ line. Phase 5 (approved 2016, procurement ongoing) AFG-TKM synchronize power to complement with CASA infrastructure. AFG currently working on CASA-TUTAP complement options. • Tajikistan updates on CASA 1000: There will be one more open tender after which the all contracts will be finalised and construction will begin. All master agreements have been signed. • Kyrgyz republic updates on CASA 1000: Tenders are on their way in all countries. Afghanistan has completed tender for procurement for transmission line, AC transmission line passing through Kyrgyz, and split transmission line for development purpose. CASA 1000 is in its active phase. An aggressive plan has been approved and complete procurement process by 2018.

<p>Introduction to CAREC Energy 2030</p> <p>Guoliang Wu, Asian Development Bank</p>	<ul style="list-style-type: none"> • Mr. Wu shared the CAREC 2030 Strategy new mission statement: <i>A regional cooperation platform to connect people, policies, and projects for shared and sustainable development.</i> This mission statement is comprised of three parts: (i) it envisages CAREC as an open and inclusive platform where member countries and development partners come together to plan regional cooperation initiatives; (ii) it cements the intent for CAREC to pursue a “project++” approach, where regional projects are complemented with policy dialogue and knowledge cooperation on one hand, and promotion of people-to-people contacts on the other hand; and (iii) the quest for shared and sustainable development shows the resolve to align closely with countries’ national strategies and the 2030 global development agenda. • Five operational clusters under CAREC 2030: (i) economic and financial stability; (ii) trade, tourism and economic corridors development; (iii) infrastructure and economic connectivity; (iv) agriculture and water; and (v) human development cluster including education and health. • CAREC 2030 further refine the institutional arrangements to ensure more effective execution of operations under the new strategy: (i) it is mentioned CAREC’s resolve to become an open and inclusive platform: broadened scope of CAREC 2030 provides new space for all development partners to engage with the region in the five operational clusters for technical and financial support; (ii) the Ministerial Conference will function as a strategy-setting and policy body to discuss and debate policy and strategic issue of regional significance; (iii) the Senior Officials’ Meeting will monitor overall operational progress and consider complex multisector projects; (iv) sector committees will be further strengthened with full operational authorities to discuss and develop options and recommendations for their respective sectors. Sub-working groups could be formulated under the sector committees as needed; and (v) for new operational areas cooperation, CAREC will take an incremental approach. Flexible and demand-driven expert groups could be created and it will also help provide rapid responses to CAREC countries’ emerging priorities and changing needs. • ADB President commits \$5B to support this new strategy.
<p>Regional Cooperation on Renewable Energy Integration</p> <p>Atsumasa Sakai, Asian Development Bank</p>	<ul style="list-style-type: none"> • Regional was TA approved last September. Timeline has been set for consultant selection and call out for inception workshop of the TA. There are 7 workshops to be organized. Kazakhstan to take lead in forecasting service, and so as Uzbekistan in local impact study. The member list of the TA’s working committee will be distributed shortly. TA to be completed in June 2019. Roadmap to be finalized by 2018. TA to cover 7 countries, and outcome to be shared to 11 countries through ESCC meeting. Ultimate output is to lower renewable energy integration cost in all CAREC countries.

<p>Regional activities</p> <p>Bruce Hamilton, Argonne National Lab</p> <p>Paul Richardson and Sergey Yelkin, USAID</p> <p>Anuar Tassymov, IRENA</p>	<ul style="list-style-type: none"> • Bruce Hamilton introduced the Argonne National Laboratory and explained the proposed details of their training. Kazakhstan agrees with the benefits of such a training if the details can be worked out. Very interested in the experience that the colleagues may provide in Chicago. • Georgia Deputy Minister briefly mentioned some projects they have done with ADB on high technology. • USAID introduced its activities for the CAREC countries. This includes a scaling up project of renewable energy and energy efficiency in Central Asia, implemented by Tetra Tech and NREL. Also the EnergyLinks program – human and financial resources for CASA 1000. Power to the future – deployment of renewable energy among the countries, Kazakhstan as pilot. • IRENA introduced its regional work in Central Asia, including the adaption of Astana Communique, and global atlas as a tool to ensure the information be made public. Renewable energy integration is another focus of IRENA, especially the assistance on the introduction of relevant policies and regulations. IRENA also works on renewable energy statistics and data collection, harmonization of standards in the region, support private sector involvement, demonstrating best practices, raise awareness on the benefits of renewable energy and the cost effectiveness.
<p>Demonstration of Off-grid Solar Kit</p> <p>Sohail Hasnie, Asian Development Bank</p>	<ul style="list-style-type: none"> • Mr. Hasnie demonstrated the different components of the solar kit, ready to be shipped to 5 countries. He opened the floor for feedback from the delegates. • Afghanistan has distributed the same type of products in Afghanistan with very good feedback. Very suited for the people of Afghanistan and is ready to accept the 100 units of the solar kits. Many private companies have brought similar products to Afghanistan with the help of national banks. Tajikistan has one unit sent by ADB and would like to test but need information on installation. For Kyrgyz, one kit will be brought during a mission. After the testing of one kit, then they will make analysis of the needs before they request 100 more. Kyrgyz asking about the conditions for receiving the 100 kits. Mongolia has prior experience with this kind of project. 100,000 solar home systems have been distributed. Implementing agency was Mongolian Renewable Energy agency which had a laboratory to do some testing on kits. Kits will be distributed to households and feedback will be gathered for project efficiency. Pakistan finds the project very relevant and welcomes the project and its technology. It fits very well in their single unit houses. Solar offgrid solution will provide a solution to the nation. ADB to collect data from consumers of all

	<p>countries, including design and how much power is used.</p>
<p>Presentation on High Technology Roadmap Sohail Hasnie, Asian Development Bank</p>	<ul style="list-style-type: none"> No comment from Kyrgyz. Interested of introduction of new technologies and incorporation into national grid. They agree on renewable energy resources as alternative to electricity supply in mountaneous areas. Constraints of technology to introduce renewable energy in every day life. They are one of the first countries to adopt law on renewable energy. All 4 areas are interesting to Kyrgyz and need further discussions to sort out details. Would like some time to discuss with professionals and come back another time.
<p>Pilot project proposals</p>	<ul style="list-style-type: none"> Georgia lists their priority projects which include electric vehicles, floating solar, and energy efficiency measures in Poti Port and Anaklia Port. Three-wheeler electric vehicle proposal in Pakistan and Afghanistan Underwater Remotely Operated Vehicle (ROV) in Tajikistan by December. Samat in Kyrgyz shared experience in procuring the underwater drone. He also shared the benefits of the technology. ADB will do direct procurement for Tajikistan.
<p>Proposed High Technology Workshop in PRC with CAREC Institute</p>	<ul style="list-style-type: none"> CAREC Institute has sent invitations through the NFPs and not yet received feedback about the training scheduled for December. Uzbekistan, Kazakhstan have not yet heard about the training. Pakistan, Tajikistan, Mongolia, Turkmenistan has received the invitation. Georgia has nominated. <p>** Note: Workshop has been postponed to a more viable schedule in 2018. New invitations will be sent after approval of 2018 calendar.</p>
<p>CAREC Electric Vehicles Rally and High Technology Workshop (April-May 2018)</p>	<ul style="list-style-type: none"> Awareness campaign of electric vehicles in Central Asia. Azerbaijan thinks this is a very interesting initiative and would like to see this happen. Pakistan welcomes the initiative. Uzbekistan is happy with the discussions on renewable energy and will take an active part in all events. The question is the cost of all the new energy technologies. Turkmenistan finds the proposal interesting and will inform their heads of agencies. Afghanistan is interested in the electric vehicles technology, ADB is ready to send by February. Kyrgyz expresses its interest and supports the idea fully and is ready to discuss in detail during the ADB mission next week.
<p>CAREC High Technology Weekly</p>	<ul style="list-style-type: none"> Afghanistan said the information is very interesting and very useful. As for the frequency, once a month would be ok as well but receiving on a weekly basis, they are appreciative. Kyrgyz fully supports weekly updates, and proposes to disseminate the information via local ADB office who have contacts in the public offices. ADB offers to translate specific sections if reader finds it interesting.

CAREC ESCC Meeting in Ashgabat(March-April 2018)	<ul style="list-style-type: none"> The possibility of having next ESCC in Turkmenistan was discussed. Turkmenistan would like to receive an official letter for higher authority to respond.
Energy Investment Forum in 2018 in Georgia	<ul style="list-style-type: none"> The timing on the 3rd EIF was discussed. July 2018 in Batumi can be a good option but the detail will be decided after considering all the relevant conditions.
High Technology Training in Chicago (2018): update by Argonne National Lab	<ul style="list-style-type: none"> ADB to send a calendar to everyone for feedback
Feedback on communication channels	<ul style="list-style-type: none"> ADB offers various communication channels for all delegates, including the CAREC energy facebook Pakistan, Turkmenistan, and Mongolia found the VC very useful. Azerbaijan, Kazakhstan, Kyrgyz finds this format useful if only one or two topics are discussed. If many topics are discussed, then better to have meetings in person. Kyrgyz finds that VC is good for decision-making level but not necessarily when discussing. Format of this meeting was very good. Uzbekistan finds the video conference efficient but not very convenient to have simultaneous interpretation live. If a simultaneous translation capability is brought into it, it brings this to the face-to-face level. Tajikistan finds it difficult to read the materials at the same time make any decisions during the VC. ADB will try to address the issue of simultaneous interpretation and highlight items to discuss so that participants can focus on them.

Attachments:

- List of Participants
- High Technology Roadmap draft (English)
High Technology Roadmap draft (Russian)
- RETA 9168: Access to Electricity with New Off-Grid Solar Technology in Central Asia (English)
RETA 9168: Access to Electricity with New Off-Grid Solar Technology in Central Asia (Russian)
- RETA 9299: Leapfrogging Clean Technologies in CAREC Countries through Market Transformation (English)
RETA 9299: Leapfrogging Clean Technologies in CAREC Countries through Market Transformation (Russian)
- RETA 9365: Regional Cooperation on Renewable Energy Intergation (English)
RETA 9365: Regional Cooperation on Renewable Energy Intergation (Russian)
- CAREC High Technology Weekly (4 issues)
- Presentation: Regional RE Integration by Atsumasa Sakai (English)
Presentation: Regional RE Integration by Atsumasa Sakai (Russian)
- Presentation: Georgia on high technology project proposal and EIF 2018 (English)
Presentation: Georgia on high technology project proposals and EIF 2018 (Russian)
- Presentation by Argonne National Laboratory
- List of projects in CAREC countries by USAID
- News release on CAREC 2030 Strategy