

Mongolia energy storage market

The knowledge and support technical assistance (TA) will accelerate renewable energy penetration in the Central Energy System (CES) in Mongolia through (i) assessment of current status and future projection of CES, (ii) identification of innovative energy storage technologies, and (iii) assessment of their market potential and development of energy storage deployment strategy.

The TA is included in the Mongolia: Country Operation Business Plan (2018-2020). The propose TA is fully aligned with the Country Partnership Strategy (2017-2020) priority on improving natural resource management and broadening climate change response to support the government's priorities on the Mongolia Sustainable Development Vision 2030. The TA will also support the strategic priorities of the Asian Development Bank's (ADB) Midterm Review of Strategy 2020 to mitigate climate change and promote environmental sustainability.

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The current energy capacity development cannot meet increasing demand without additional investment. Considering demographic and economic development, heat demand deficit in Ulaanbaatar is expected to grow from 44 gigacalorie per hour (Gcal/hr) in 2014 to 749 Gcal/hr in 2025 at an average annual growth rate of 32.3%. Power demand is expected to grow at 133 megawatt (MW) per annum from 697 MW in 2012 to 3,161 MW in 2030.

ADB has been in constant communication with the Ministry of Energy to support the approval of the First Utility Scale Energy Storage Project (Loan 3874, approved on 22 April 2020) for \$100 million.

ADB will administer the technical assistance. ADB's Energy Division, East Asia Department will select, administer, supervise consulting firm's outputs for the TA, and evaluate the consulting firm. The implementation arrangements are summarized in the table.

ADB will engage the consultants following the ADB Procurement Policy (2017, as amended from time to time) and its associated project administration instructions and/or staff instructions.

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