



## Regional: Prefeasibility Analysis for Carbon Capture, Utilization and Storage

Project Name	Prefeasibility Analysis for Carbon Capture, Utilization and Storage
Project Number	52041-003
Country	Regional
Project Status	Approved
Project Type / Modality of Assistance	Technical Assistance
Source of Funding / Amount	<b>TA 9686-REG: Prefeasibility Analysis for Carbon Capture, Utilization and Storage</b> Carbon Capture and Storage Fund under the Clean Energy Financing Partnership Facility US\$ 2.00 million
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships Private sector development
Sector / Subsector	<b>Energy</b> - Conventional energy generation - Oil and gas transmission and distribution
Gender Equity and Mainstreaming	Some gender elements
Description	The knowledge and support technical assistance (TA) cluster will prepare energy system development scenarios and technology road maps and support the scale-up of innovative energy technologies in developing member countries (DMCs). The TA cluster is aligned with the energy policy of the Asian Development Bank (ADB). It will support ADB in implementing its Strategy 2030 and DMCs in meeting the Sustainable Development Goals (SDGs), including their nationally determined contributions (NDCs) as part of the Paris Agreement on climate change.
Project Rationale and Linkage to Country/Regional Strategy	3. The SDGs and NDCs encourage a transformative change in production systems, employment patterns, technologies, behaviors, and lifestyles to enable poverty reduction and a transition towards efficient low-emission production and consumption. Access to reliable, clean, and affordable cost-effective energy remains a key development imperative for DMCs. As of 2014, 421 million people in Asia and the Pacific were still living without access to electricity; most of this population live in remote areas and islands. With business-as-usual solutions such as national grid extension, centralized power generation, and low-efficiency end-use devices DMCs will either not be able to achieve universal energy access or will not achieve it without producing much higher emissions. Innovations in the energy sector and other sectors (e.g., urban, transport, agriculture, water, information and communication technology) will provide new opportunities to meet DMC energy sector needs faster and leapfrog to lower carbon energy sector development pathways.
Impact	Access to reliable, low-carbon, and cost-effective energy increased
<b>Project Outcome</b>	
Description of Outcome	Use of sustainable carbon capture, utilization and storage technologies in participating DMCs increased
Progress Toward Outcome	
<b>Implementation Progress</b>	
Description of Project Outputs	Prefeasibility analysis for CCUS prepared and published
Status of Implementation Progress (Outputs, Activities, and Issues)	
Geographical Location	Regional
<b>Summary of Environmental and Social Aspects</b>	
Environmental Aspects	
Involuntary Resettlement	

**Stakeholder Communication, Participation, and Consultation**

During Project Design

During Project Implementation

**Business Opportunities**

Consulting Services Individual Consultants Selection  
 This method will be used to engage consulting inputs equivalent to a total of 140 person-months (50 person-months of international consulting inputs and 90 person-months of national consulting inputs). Below is a summary of the consulting services.  
 International Consultancy Inputs:  
 (i) Carbon Capture and Storage Expert(s) (international, 20 person-months)  
 (ii) CCUS Expert(s) (focus on utilization of CO<sub>2</sub>) (international consultant, 15 person-months)  
 (iii) CCUS Legal and Regulatory Expert (international, 10 person-months)  
 (iv) CCUS Finance Expert (international, 5 person-months)  
 National Consultancy Inputs:  
 (i) CCUS Strategy Analysts (national, 15 person-months)  
 (ii) CCS Technical Expert on CO<sub>2</sub> Capture Technologies on refinery capture, industrial capture and power plant capture (national, 15 person-months)  
 (iii) CCUS Technical Expert on CO<sub>2</sub> utilization, Storage, enhanced oil recovery and on storage site characterization (national, 15 person-months)  
 (iv) Energy Legal, Regulatory and Policy Analyst on CO<sub>2</sub> onshore storage policy and regulation and CO<sub>2</sub> offshore storage policy and regulation (national, 15 person-months)  
 (v) Technology Policy Expert: transfer of technology and intellectual property rights on national CCUS research and development policy and on technology transfer model (national, 15 person-months)  
 (vi) Environment and Climate Change Policy Analyst on national climate policy and environment policy and regulation for CCUS (national, 15 person-months)  
 ADB will engage consultants and carry out procurement following the ADB Procurement Policy (2017, as amended from time to time) and its associated project administration instructions and/or staff instructions. National consultants should be nationals of the country where the project is implemented.

Procurement Shopping for Goods: computers, printers, software, and accessories may be procured

Responsible ADB Officer Zhai, Yongping

Responsible ADB Department SDSC

Responsible ADB Division SDSC-ENE

Executing Agencies *Asian Development Bank  
6 ADB Avenue,  
Mandaluyong City 1550, Philippines*

**Timetable**

Concept Clearance	-
Fact Finding	05 Nov 2018 to 05 Nov 2018
MRM	-
Approval	16 Dec 2018
Last Review Mission	-
Last PDS Update	16 Dec 2018

**TA 9686-REG**

Financing Plan/TA Utilization						Cumulative Disbursements		
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
0.00	2,000,000.00	0.00	0.00	0.00	0.00	2,000,000.00	-	0.00

Project Page <https://www.adb.org/projects/52041-003/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=52041-003>

ADB provides the information contained in this project data sheet (PDS) solely as a resource for its users without any form of assurance. Whilst ADB tries to provide high quality content, the information are provided "as is" without warranty of any kind, either express or implied, including without limitation warranties of merchantability, fitness for a particular purpose, and non-infringement. ADB specifically does not make any warranties or representations as to the accuracy or completeness of any such information.