





Asian Development Bank Headquarters, Manila, Philippines

#### 8<sup>th</sup> ADB Business Opportunities Fair

Energy Sector – East Asia Department By: Ashok Bhargava, Director, Energy Division

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### **Priorities in the Energy Sector**

Country	
PRC (2016–2020)	<ul> <li>Energy efficiency, new renewables,</li> <li>Carbon Capture and Storage,</li> <li>Air pollution and climate change mitigation technologies, and</li> <li>Knowledge and policy work</li> </ul>
MON (2016-2020)	<ul> <li>Improve energy access &amp; efficiency,</li> <li>Support Private Sector-led investment,</li> <li>Cross-border power trade, and</li> <li>Capacity building and planning</li> </ul>



#### Lending Pipeline, 2015–2018

Project No	Project Name	Amount (\$ m)	Country	Year
3308	Chemical Energy Efficiency & Emission Reduction	100	PRC	2015
3358	Qingdao Smart Low Carbon District Energy	130	PRC	2015
3504	Air Quality Improvement in the Greater Beijing–Tianjin–Hebei Region: China National Investment & Guaranty Corporation's Green Financing Platform	500	PRC	2016
3475	Shaanxi Accelerated EE &Environment Improvement	150	PRC	2016
46343	Strengthening Electricity and Heat Supply Network in Ulaanbaatar	160	MON	2017
51004	Air Quality Improvement in the Greater BTH Region: China Energy Conservation and Environment Protection Group's Clean Air Fund	500	PRC	2017
50089	Qingdao Rural Waste-to-Energy	100	PRC	2018
50088	Upscaling Renewable Energy Investment	100	MON	2018
tbd	Air Quality Improvement in the Greater BTH Region: Improving policies and results	500	PRC	2018

BTH = Beijing-Tianjin-Hebei, EE = energy efficiency.

Note: Projects are indicative, pending ADB Management and Board approval, and approval timelines are subject to change.



Nonlending Pipeline, 2016–2017

Project No	Project Name	Туре	Amount (\$ m)	Country	Year
9034	Developing Cost-Effective Policies and Investments to Achieve Climate and Air Quality Goals in the BTH Region	PATA	0.75	PRC	2016
9112	National Biomass Heat Supply Strategy	PATA	0.40	PRC	2016
9142	Air Quality Improvement in the Greater BTH Region: China National Investment & Guaranty Corporation's Green Financing Platform	PPTA	0.50	PRC	2016
9186	Qingdao Rural Waste-To-Energy	PPTA	0.50	PRC	2016
9224	Upscaling Renewable Energy	PPTA	1.00	MON	2016
9251	Strengthening Capacity in the Implementation of the Green Financing Platform for the Greater BTH Region	CDTA	1.50	PRC	2016
48453	Feasibility Assessment of an Industrial Scale Carbon Capture Utilization and Storage (CCUS) Project	CDTA	5.50	PRC	2017
51004	Preparing Air Quality Improvement Program (2017-2019) in the Greater BTH Region	TRTA	2.30	PRC	2017
51031	Study on Clean Energy Supply Mode in the BTH and Surrounding Rural Areas	CDTA	0.40	PRC	2017

BTH = Beijing-Tianjin-Hebei.

Note: Projects are indicative, pending ADB Management and Board approval, and approval timelines are subject to change.



#### **Anticipated Procurement**

Project No	Project Name
3308	Chemical Energy Efficiency & Emission Reduction
3358	Qingdao Smart Low Carbon District Energy
3504	Air Quality Improvement in the Greater Beijing–Tianjin–Hebei Region: China National Investment & Guaranty Corporation's Green Financing Platform
3475	Shaanxi Accelerated Energy Efficiency & Environment Improvement
46343	Strengthening Electricity and Heat Supply Network in Ulaanbaatar
51004	Air Quality Improvement in the Greater Beijing–Tianjin–Hebei Region: China Energy Conservation & Environment Protection Group's Clean Air Fund



## **Anticipated Consulting Needs**

Project No	Project Name
48453	Feasibility Assessment of an Industrial Scale Carbon Capture Utilization and Storage (CCUS) Project
51004	Preparing Air Quality Improvement Program (2017-2019) in the Greater Beijing–Tianjin–Hebei Region
51031	Study on Clean Energy Supply Mode in the Beijing–Tianjin–Hebei and Surrounding Rural Areas



#### Key requirements

- Full familiarity with emerging technologies, ability to field cross-sectoral team, integrate knowledge and policy work,
- Strong analytical skills, knowledge and experiences in priority areas, and
- Cost competitiveness in cooperation with local manufacturers



# Thank you.

