



China, People's Republic of: Study on the Road Map for Air Quality Improvement in Pilot Cities in Beijing-Tianjin-Hebei and Its Surrounding Areas

Project Name	Study on the Road Map for Air Quality Improvement in Pilot Cities in Beijing-Tianjin-Hebei and Its Surrounding Areas		
Project Number	51420-001		
Country / Economy	China, People's Republic of		
Project Status	Closed		
Project Type / Modality of Assistance	Technical Assistance		
Source of Funding / Amount	TA 9612-PRC: Study on the Road Map for Air Quality Improvement in Pilot Cities in Beijing-Tianjin-Hebei and Its Surrounding Areas		
	Technical Assistance Special Fund		US\$ 400,000.00
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth		
Drivers of Change	Governance and capacity development Knowledge solutions		
Sector / Subsector	Energy / Energy efficiency and conservation		
Gender	No gender elements		
Description	The TA will help local governments establish an air pollution emission management database and develop a post-CAAP roadmap for air quality improvement in one or two selected pilot cities, which can be replicated elsewhere in the greater BTH region. The TA will have the following outputs: (i) develop emission inventories for the pilot cities; (ii) assess the impacts of energy consumption and industrial structure on air quality and climate change; (iii) establish an investment cost database of main pollution reduction measures; (iv) establish an air pollution emission management database; and (v) develop air quality improvement roadmap for the pilot cities.		
Project Rationale and Linkage to Country/Regional Strategy	The greater BTH region contributes to almost one-third of the PRC's total gross domestic product (GDP), making it one of the most important and dynamic regions in the country. High energy consumption and pollution emissions, however, have accompanied the PRC's rapid economic growth from the 1980s to the mid-2010s. 239 of 338 cities in the PRC failed to meet national ambient air quality standards in 2017. In 2016, the greater BTH region accounted for large portions of total national emissions: 38.6% of sulfur dioxide (SO ₂), 38.3% of nitrogen oxide (NO _x), and 45.4% of smoke and dust. The 2017 State of the Environment Report indicated 10 most polluted cities among 74 cities that are implementing the newly amended ambient air quality standards are all in the greater BTH region. Air pollution is a problem that has become increasingly obtrusive. Air pollution greatly constrains the PRC's social and economic development and poses a substantial threat to public health. A World Bank study showed that the cost of air pollution accounts for approximately 10% of PRC's total GDP. The World Health Organization (WHO) attributed almost half a million deaths in the PRC to ambient air pollution in 2012. 5. The implementation of the Comprehensive Action Plan on Air Pollution Prevention and Control (CAAP) between 2013 and 2017 resulted in a decrease in average concentrations of particulate matter less than 10 micrometers in diameter (PM ₁₀) by 22.7% in 338 major cities, and particulate matter less than 2.5 micrometers in diameter (PM _{2.5}) by 39.6% in the BTH region. However, the PRC is still facing huge challenges in air pollution control, especially in the greater BTH region. In 2017, the percentage of the days with non-attainment of national ambient air quality standards ranged from 38.9% to 79.7% in 13 major cities in the BTH region, with an average at 44%. In a recent State Council executive meeting, the Government stated that fighting against air pollution for a blue sky is the top priority of pollution control and prevention, and one of the main battlefields of the war to defend blue skies is in the BTH region.		
Impact	Air pollution reduced, climate change mitigated, and air quality and public health improved in the greater BTH region		
Project Outcome			
Description of Outcome	Management and decision-making in air pollution control by the Handan Municipal Government enhanced		
Progress Toward Outcome			
Implementation Progress			
Description of Project Outputs	Emission inventory for Handan City developed Impacts of energy consumption and industrial structures on air quality and climate change assessed Investment cost database of main pollution reduction measures established Air pollution emission management database established Road map for air quality improvements in Handan City developed		
Status of Implementation Progress (Outputs, Activities, and Issues)	Survey on the main emission industries, including iron and steel, coke and cement industry, energy structure, and related policies/measures in Tangshan City was completed. Emission inventory and source apportionment including regional contributions to air pollution for Tangshan City in 2020 was also completed. Road map for air quality improvement in Tangshan City in 2030 was developed. TA Review Mission was fielded on 31 August 2020. The final review mission and workshop was held on 21 June 2021. The TA is expected to be financially closed in September 2021.		
Geographical Location	Hebei Handan		
Summary of Environmental and Social Aspects			
Environmental Aspects			
Involuntary Resettlement			
Indigenous Peoples			
Stakeholder Communication, Participation, and Consultation			
During Project Design			

Business Opportunities

Consulting Services ADB will recruit a firm using a quality- and cost-based selection method with a 90:10 quality cost ratio. 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.

Responsible ADB Officer	Zhou, Yun
Responsible ADB Department	East Asia Department
Responsible ADB Division	EAS1
Executing Agencies	Ministry of Ecology and Environment former "Ministry of Environmental Protection" 115 Xizhimen Nanxiaojie, Beijing

Timetable

Concept Clearance	27 Jun 2018
Fact Finding	21 Aug 2018 to 21 Aug 2018
MRM	-
Approval	11 Oct 2018
Last Review Mission	-
Last PDS Update	21 Sep 2021

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Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
11 Oct 2018	08 Nov 2018	08 Nov 2018	31 Dec 2020	30 Jun 2021	28 Sep 2021

Financing Plan/TA Utilization						Cumulative Disbursements		
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
400,000.00	0.00	0.00	0.00	0.00	0.00	400,000.00	17 Jun 2022	288,318.25

Project Page	https://www.adb.org/projects/51420-001/main
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