ASIA CLEAN ENERGY FORUM 2024
Accelerating the Clean Energy Transition and Ensuring Energy Security and Affordability – Time for Urgent Action Now
3-7 JUNE 2024

Low Carbon Odyssey - People’s Republic of China’s Story

ADB’s Flagship Program - Air Quality Improvement Program in the Greater Beijing–Tianjin–Hebei Region

05 June 2024

In cooperation with

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Accelerating the Clean Energy Transition and Ensuring Energy Security and Affordability – Time for Urgent Action Now

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Featured Speaker
Content

- WHY - Challenges faced
- WHAT needs to be done
- HOW ADB has responded
- KEY lessons and experiences
- Video play
WHY – challenges

- Many cities do not meet acceptable air quality
- About one million premature deaths annually, with cost of 7.5% of the GDP
- Greater BTH region produces 40% CO2 emissions and the highest average annual PM$_{2.5}$ concentrations in PRC (average PM$_{2.5}$ concentration is 73 microgram/m$^3$ in 2015)
- Comprehensive Action Plan for Air Pollution Prevention and Control (CAAP), 2013–2017, in Beijing-Tianjin-Hebei (BTH) region

- Three-Year Action Plan to Combat Blue Sky War, 2018-2020, to accelerate air pollution reduction in the greater BTH and Yangtze River Delta (YRD)
- Goals of 2030 and 2060
- Greater BTH and YRD regions account for more than 50% of GDP in the PRC and 400 million population, major air pollutants and GHG emissions hotspots in the PRC
WHAT needs to be done

- Strengthen Policy and Regulatory Framework
- Leverage investments through innovative approaches
- Help demonstrate and deploy advance technologies
HOW ADB has responded

• Cross-sectoral coverage; programmatic approach
• Target policy, financing and technology gaps; address market failures
• Aim air pollution reduction + CO₂ mitigation
• Essential value add features—innovation, leverage, synergy, and better results

Programmatic approach:
• First stage (2015–2017): building institutional foundation for sustainable emission reduction by (i) strengthening policy and regulatory framework strengthen and (ii) developing green financing platform development.

• Second stage (2018–2020): Targeting highly polluted provinces, covering new air pollutants (ground level ozone) and GHG (HFC) in the larger region (greater BTH, and YRD) to support technology leap-frogging and inclusive clean energy service delivery.
## HOW ADB has responded

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Year</th>
<th>Project name</th>
<th>ADB loan ($mil)</th>
<th>Loan modality</th>
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<td>2015</td>
<td>L3356- Beijing-Tianjin-Hebei Air Quality Improvement-Hebei Policy Reforms</td>
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<td>Reduction and Pollution-Control Facility</td>
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<td>Scale up Project</td>
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HOW ADB has responded
Key experiences and lessons

- To address the cross-sectoral air pollution and GHG emission issues, a programmatic and integrated approach providing long-term policy, financing and technology supports is needed.
- Strong government commitments and EA and IA’s ownership are vital.
- Flexible design to adapt to the government evolving policies and priorities is necessary.
- Inclusive financing targeting various stakeholders leveraging from local FIs and private sector is essential.
- Innovative business models and advanced technologies are important.
Please enjoy a video – Air Quality Improvement in the Greater BTH Region Program.

Thank you