

RESTORING BLUE SKIES: ACCELERATING AIR POLLUTION CONTROL

Grant Hyatt Beijing
1 East Chang An Avenue, Beijing, China
September 18 – 19, 2014

BACKGROUND

The air quality problem in China has reached crisis proportions. The Chinese government seeks fast and effective solutions to improve air quality. This is an enormous challenge, but also leads to enormous opportunities—not only to reduce air pollution, but to help build policies and systems to improve quality of life, cut fossil fuel use, and to build a strong environmental enforcement system.

PURPOSE

The workshop will:

1. Help to build coherence behind national strategies to reduce air pollution in China by building consensus on key principles for robust plans;
2. Give special attention to pushing forward on the air quality implementation plan for the Beijing-Tianjin-Hebei area identified for pilot projects by devising recommendations on trans-boundary issues;
3. Emphasize the opportunities for overlapping gains in air quality and greenhouse gas reduction;
4. Discuss ways of improving enforcement of clean air actions and identify a clear set of metrics to measure compliance and enforcement;
5. Develop coordinated strategies for the partners in the months after the workshop and beyond;
6. Draw on international experience to look for innovative ideas that can help accelerate progress.

This workshop will bring together a number of institutions, including the Paulson Institute, China Center for International Economic Exchanges, The Energy Foundation, Energy Innovation: Policy and Technology, LLC, and the Children's Investment Fund Foundation and Clean Air Alliance of China. Background information on these institutions is included near the end of the document.

AGENDA

DAY 1

September 18

Conference Room: Grand Salon

8:30	Registration
	Moderators for Morning Sessions <ul style="list-style-type: none">• ZHAO Lijian, <i>Director of the China Environmental Management Program</i>, Energy Foundation China• Michael WALSH, <i>Founding Chairman, Board of Directors</i>, International Council on Clean Transportation
	Welcome and Overview <ul style="list-style-type: none">• WEI Jianguo, <i>Vice Chairman</i>, China Center for International Economic Exchanges
9:00	<ul style="list-style-type: none">• Ellen CARBERRY, <i>Managing Director</i>, Climate Change and Air Quality Program, Paulson Institute• WANG Jiansheng, <i>President</i>, Energy Foundation China• Hal HARVEY, <i>Chief Executive Officer</i>, Energy Innovation: Policy and Technology LLC
	Keynote Speeches
9:20	<ul style="list-style-type: none">• ZHANG Gong, <i>Vice Mayor</i>, Beijing Municipal Government• SHU Changyun, <i>Vice Secretary-General</i>, Tianjin Municipal Government
	Session 1: Keynote Speeches - Strategies for Air Quality Management
	1.1 Air Pollution Control in China: Progress and Perspectives <ul style="list-style-type: none">• HAO Jiming, <i>Professor</i>, Tsinghua University; <i>Academician</i>, Chinese Academy of Engineering, <i>Chairman</i> of Steering Committee of Clean Air Alliance of China (CAAC)
9:50	1.2 California's Air Pollution Control Program: A Successful Model for Cleaner Air <ul style="list-style-type: none">• Richard COREY, <i>Executive Director</i>, California Air Resources Board
10:50	Break – continue discussion informally
	Session 2: Key Recommendations for Revisions to China's Air Law
	2.1 Air Pollution Prevention and Control Law Amendment <ul style="list-style-type: none">• CHAI Fahe, <i>Vice President</i>, Chinese Research Academy of Environmental Sciences
11:10	2.2. U.S. Clean Air Act <ul style="list-style-type: none">• Dave HAWKINS, <i>Director of Climate Programs</i>, Natural Resources Defense Council (NRDC)
	2.3. Discussion: Key Recommendations for Revisions to China's Air Law
12:30	Lunch (Grand Café, 2nd Floor)

Moderators for Afternoon Sessions

- ZHANG Ruiying, *Deputy Chief Representative*, Energy Foundation China
 - Hal HARVEY, *Chief Executive Officer*, Energy Innovation: Policy and Technology LLC
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Session 3: Regional Implementation

3.1. Performance Assessment Measures for the *Air Pollution Prevention and Control Action Plan*

- YANG Jintian, *Vice Chief Engineer*, China Academy of Environmental Planning (CAEP)

1:30

3.2 Tools for Implementation of Sustainable Energy and Climate Change Policies

- Robert HORBATY, *Founder and Project Leader*, ENCO Energie-Consulting AG

3.3. 10 Key Principles for Local Air Quality Management

- ZHAO Lijian, *Director of the China Environmental Management Program*, Energy Foundation China

3.4. Overview of Air Quality Management and Assessment Tools

- Tonny XIE, *Director*, Clean Air Alliance of China (CAAC) Secretariat
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3:00

Break – continue discussion informally

Session 3 (continued): Regional Implementation (Beijing-Tianjin-Hebei Region)

3.5. Getting Air Quality Plans Right

- Catherine WITHERSPOON - *Former Executive Officer*, California Air Resources Board

3:30

3.6. Can Beijing, Tianjin and Hebei achieve the PM2.5 Improvement Targets in 2017? Policy Assessment and Recommendations

- ZHANG Qiang, *Professor*, Tsinghua University

3.7. Recommendations for Beijing-Tianjin-Hebei Region

5:00

Adjourn

6:30

Dinner (Residence Room 3, -2/F)

DAY 2

September 19

Conference Room: Grand Ball Room – 2

8:30	Registration
	<i>Moderators for Morning Sessions</i> <ul style="list-style-type: none">• LIN Jiang, <i>Senior Vice President</i>, China Strategy and Analysis, Energy Foundation China• Richard COREY, <i>Executive Director</i>, California Air Resources Board
9:00	Keynote Speech: Economic and Green Financing Policies for PM2.5 Emission Reduction <ul style="list-style-type: none">• MA Jun, <i>Chief Economist</i>, Research Bureau, People’s Bank of China
9:25	Session 4: Co-control in Key Sectors 4.1. Co-control Overview: Haze, Low Carbon and Energy Structure Adjustment <ul style="list-style-type: none">• JIANG Kejun, <i>Professor</i>, Energy Research Institute (ERI), National Development and Reform Commission 4.2. Power Analysis on the Carbon Emission Reduction Co-benefits of Coal Cap Policy <ul style="list-style-type: none">• LIU Qiang, <i>Director</i>, Department of Strategy, National Center for Climate Change Strategy and International Cooperation (NCSC)
10:15	Break – continue discussion informally
10:30	Session 4 (continued): Co-control in Key Sectors 4.4. Transportation Air Quality in China: Transportation – Co-control Challenges and Opportunities <ul style="list-style-type: none">• Michael WALSH - <i>Founding Chairman, Board of Directors</i>, International Council on Clean Transportation Mobile Emission Sources Control and Measures <ul style="list-style-type: none">• DING Yan - <i>Deputy Director</i>, Vehicle Emissions Control Center (VECC) of MEP 4.5. Co-control Tools and Applications <ul style="list-style-type: none">• MAO Xianqiang, <i>Professor</i>, Beijing Normal University 4.6. Discussion on list of Co-control Measures
12:00	Lunch (Residence Room 3, -2/F)
	<i>Moderators for Afternoon Sessions</i> <ul style="list-style-type: none">• YANG Chaofei, <i>Vice Chairman of Board of Directors</i> of China Society for Environmental Sciences, <i>Former Chief Engineer on Nuclear Safety</i>, the Ministry of Environmental Protection (MEP)• Catherine WITHERSPOON, <i>Former Executive Officer</i>, California Air Resources Board
1:30	Session 5: Compliance, Enforcement and Institutional Reform 5.1. Key Considerations for Compliance, Enforcement and Institutional Reform <ul style="list-style-type: none">• Ken MARKOWITZ, <i>Managing Director</i>, International Network for Environmental Compliance and Enforcement (INECE)

	5.2 Key Considerations for Compliance, Enforcement, and Institutional Reform
	<ul style="list-style-type: none"> James LENTS, <i>President</i>, International Sustainable Systems Research Center (ISSRC), <i>Former Executive Officer</i> of South Coast Air Quality Management District
	5.3. Research on Long-term Mechanism to Resolve Overcapacity Problems in Hebei Province
	<ul style="list-style-type: none"> ZHANG Chunyu, <i>Professor</i>, Institute of World Economics and Politics Chinese Academy of Social Sciences
	5.4. Comments:
	<ul style="list-style-type: none"> YANG Chaofei, <i>Vice Chairman of Board of Directors</i> of China Society for Environmental Sciences, <i>Former Chief Engineer on Nuclear Safety</i>, Ministry of Environmental Protection (MEP)
	5.5. Discussion on Key Enforcement Metrics and Indicators
3:00	Break – continue discussion informally
	Session 6: Roundtable Discussion: Accelerating Progress for Air Pollution Control
	Reviewing and endorsing the key principles of an effective clean air action plan
3:15	<ul style="list-style-type: none"> Tonny XIE, <i>Director</i>, CAAC Secretariat ZAHO Lijian, <i>Director of the China Environmental Management Program</i>, Energy Foundation China
	Concluding Remarks and Next Steps
4:00	<ul style="list-style-type: none"> Hal HARVEY, <i>Chief Executive Officer</i>, Energy Innovation: Policy and Technology LLC
4:20	Adjourn

ORGANIZING PARTNERS

The Paulson Institute (PI): The Paulson Institute is an independent, non-partisan center located at the University of Chicago. Our work is grounded in the principle that today’s most pressing economic and environmental challenges can be solved only if the United States and China work in complementary ways. With offices in the United States and China, and partners around the globe, we take a “think and do” approach. Our mission is to advance global environmental protection and sustainable economic growth in the United States and China, while fostering broader understanding between the two countries. The Institute was founded in 2011 by Henry M. Paulson, Jr., the 74th Secretary of the Treasury and former chief executive of Goldman Sachs to promote economic growth and environmental preservation in both countries through programs, advocacy and research.

China Center for International Economic Exchanges (CCIEE): Founded by Zeng Peiyan, former Vice Premier of the State Council, the China Center for International Economic Exchanges (CCIEE) promotes international economic research and exchange and provides consulting services.

The Energy Foundation—China (EFC): Established in Beijing in 1999, The Energy Foundation – China is a grant making charity organization dedicated to China’s sustainable energy development. Our mission is to assist in China's transition to a sustainable energy future by promoting energy efficiency and renewable energy. We support policy research, standard development, capacity building, and best practices dissemination. Our work on air quality includes technical support to national policy making and local implementation, control strategy development for stationary and mobile sources, promoting institutional development and capacity building, such as organizing Clean Air Alliance for China (CAAC), a gathering of over 30 organizations and over 50 leading experts, to advance clean air work in China. .

Energy Innovation, Policy and Technology LLC (EI): Energy Innovation is a firm focused on energy and environmental policy and technology. Its principal, Hal Harvey, has worked on Chinese policy issues for 15 years.

The Children’s Investment Fund Foundation (CIFF) is an independent, philanthropic organization which aims to demonstrably improve the lives of children in developing countries by achieving large-scale, sustainable impact. In 2009, CIFF established a Special Initiative on Climate Change recognizing that children are the most vulnerable to the effects of climate change. The team’s current priorities of work are climate-smart urbanization, energy transformation, and land use and sustainable agriculture.

CIFF sees air quality as an important driver for reducing greenhouse gas emissions via co-control strategies.

Clean Air Alliance of China (CAAC): To address the challenges of air pollution in China, ten leading Chinese technical institutions in the air quality field have come together to launch the Clean Air Alliance of China (CAAC). CAAC will provide an integrated platform to help provinces and cities access international experience, tools and practices and also facilitate communication and collaboration between provinces and cities. The overarching goal is to improve air quality of Chinese provinces and cities and mitigate the negative impacts from air pollution on public health. CAAC is led and supervised by the alliance steering committee, and is managed by the alliance secretariat regarding general operation and coordination.

WORKSHOP OUTPUTS

1. A refined set of key principles that can guide a good clean air action plan;
2. A list of co-control measures summarized and refined for each key sector;
3. A set of metrics to build an effective compliance and enforcement regime;
4. Next steps and technical assistance needs for the implementation of the air quality action plan for the Beijing-Tianjin-Hebei region.