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STRENGTHENING EMISSION STANDARDS FOR COAL-FIRED POWER PLANTS AND POLLUTING INDUSTRIES

15 November 2023 | 14:00 – 15:30 (PHT)

Organized by Clean Air Asia





Thank you for attending this event! Here are reminders and other announcements:



Keep your phones and other devices in silent mode.



Refreshments will be available at the Gallery. Food is not allowed inside the auditorium.



Quietly leave the auditorium to take a call.



Wearing masks is optional. Attending sessions when sick is discouraged.



Observe social distancing.



Raise your hand to ask a question during the Q&A. You'll be acknowledged by our moderators.



Lunch will be served at the Executive Dining Room located on the 2nd Floor of the Special Facilities Block and at Podium Tent, across the Multifunction Halls.



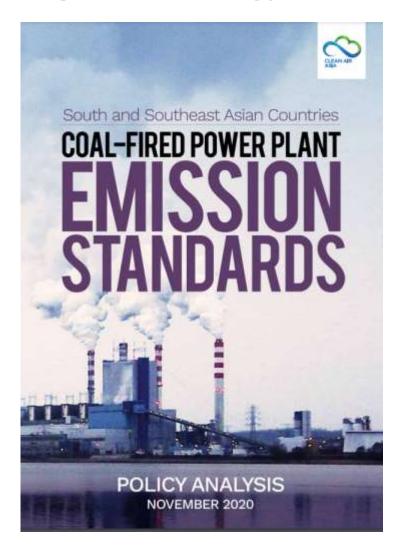


Overview of the Guidance
Framework Towards Clean Air and
Clean Energy in Asia and
the Community of Practice (CoP) on
Management of Emissions from Coal
and Other Heavy Industries

Atty. Glynda Bathan-Baterina
Deputy Executive Director
Clean Air Asia



Impact of Energy Sector on Air Quality, Climate, & Health



- This Guidance Framework builds on Clean Air Asia's work on international best practices on CFP-related policies vis-à-vis the CFP status quo in the Philippines, Vietnam, Indonesia, India, Bangladesh, and Pakistan, which comprise a third of the total global planned increase in coal dependence.
- In addition to country-level strategies, Clean Air Asia aims to integrate the Guidance Framework Towards Clean Air and Clean Energy in Asia in policy development.
 - Approach: co-learning through the Communities of Practice and the Experts Advisory Council
 - The Guidance Framework aims to provide direction on concrete actions in achieving clean air and clean energy by reducing emissions from CFPs and other heavy-polluting industries and eventual transition to clean energy.

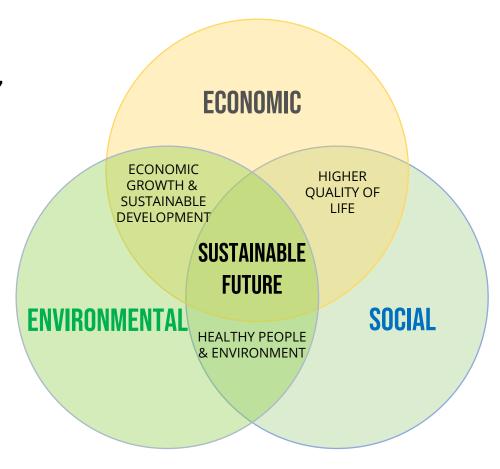


Guidance Framework Towards Clean Air and Clean Energy in Asia

VISION

Clean Air Asia's vision for the decade is a world with clean air, blue skies, and a stabilized climate for people and the planet.

- ✓ To improve air quality and abate climate change while fostering economic growth and higher quality of life for people, aligned with the 2030 Sustainable Development Goals
- ✓ To accelerate the transition to cleaner energy and achieve targets of reduced CFP emissions by 2030 and carbon neutrality by 2050





Guidance Framework Towards Clean Air and Clean Energy in Asia

GOALS

To provide guidance and steer decision makers to attainable steps in **achieving clean air and clean energy in Asia**, aligned with WHO air quality guideline values, NetZero and climate targets

- ✓ Strengthen capacity of countries in **developing and implementing policies** related to emissions control and energy transition
- ✓ Highlight the need for a science-based (i.e., data driven) approach to inform policy and decision making
- Encourage governments to adopt an integrated strategy to achieve clean air and clean energy to maximize co-benefits



The Role of Clean Air Asia

Clean Air Asia works with policymakers, international and local experts, and community stakeholders at country-level. In this regional platform, the Guidance Framework is disseminated as key learning component of the Community of Practice*.

In the establishment of the Community of Practice, Clean Air Asia is leading the:

- 1. Continuous assessment of policies, regulations, and institutional frameworks related to CFPs and energy use and transition in Asia
- 2. Provision of **technical advice** on the determinants and impacts of policies and actions on emissions reduction and clean energy
- 3. Development of the detailed framework towards policies that will reduce CFP emissions and lead to more efficient and sustainable energy development and use
- 4. Facilitation of relevant technical discussions, CoP meetings and consultations with the Advisory Group and partner countries

*A CoP is a group of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly (UNESCAP, 2020); CoP Components modified from CDC, 2015.

The Experts Advisory Council

MAIN ROLE

Provide advice to governments, in line with the Guidance Framework Towards Clean Air and Clean Energy in Asia ('Guidance Framework') which focuses on concrete actions in reducing emissions from CFPs and other industries through stringent controls and energy transition.

KEY ACTIVITIES

- Provide feedback to the Guidance Framework and meeting agendas
- √ Share technical expertise through discussion forums, lectures, and consultation meetings
- Review pertinent documents, reports, and policy drafts

KEY TOPICS IN ACTIVITIES

- Review and analysis of baseline emissions data towards revisions of emission standards and other regulations
- Assessment of existing technologies and policies on monitoring and controlling emissions
- ✓ Preparation needed for the implementation of stricter CFP emission standards and the transition to a Low Carbon Economy





GUIDANCE FRAMEWORK TOWARDS CLEAN AIR AND CLEAN ENERGY IN ASIA

Implement guidelines on BAT, data transparency & interagency coordination

Implementation of institutional frameworks and policies on using energy-efficient BAT, ensuring data transparency of emissions testing, and integrating action across agencies (and sectors).

Capacity building through peer-to-peer co-learning approach

COMMUNITY OF PRACTICE

SHORT-TERM

MONITORING & EVALUATION OF POLICIES

Data-driven planning and prioritization of measures

Use of data on (1) status, assessment, and impacts of CFPs, (2) all existing related policies on air pollution, climate change, and energy, and (3) best practices applied in other countries, for planning and prioritization of actions. This step covers alignment of targets with local and international commitments on emissions reduction considering health, air quality, climate and economic benefits.

Implementation of policies on stricter emission standards & clean energy transition

Implementation of strict emission standards and other policies with commensurate penalties and emission charges; Implement energy transition plans or roadmaps towards reduced coal/fossil fuel dependence and to meet local, national, and international emission reduction and sustainability goals.

Review of guidelines on BAT, data transparency, & interagency coordination

Cascade implementation of guidelines across agencies and sectors, with emphasis on data transparency for the public.

Decommissioning of CFPs

In line with NetZero and carbon neutrality goals, construction of new CFPs are halted while existing plants are decommissioned and RE is used as main energy source. 2023 Edition

A sustainable future with reduced emissions from CFPs and other heavy industries through emission controls and energy transition

CLEAN AIR AND CLEAN ENERGY IN ASIA

MEDIUM-TERM

Maximize RE share in the energy mix while reducing coal consumption

During the energy transition period, implement strategies which increase RE in the energy mix and overall energy efficiency in CFPs. Alternative fuels (e.g., biomass co-firing, etc.) can be used in combination with pollution control technologies.

Ensuring availability of ambient air quality and emissions data

Air quality monitoring and emissions data are available for use by the public for continuous monitoring of the performance of CFPs and other heavy industries.

LONG-TERM

Assessment of Impacts

Assess effectiveness of the guidelines and policies to ensure (1) reduction in emissions from CFPs through control measures, strict standards, and stringent implementation of data collection with QA/QC; (2) significant reduction in coal dependence; (3) improved ambient air quality and reduced environmental and health impacts from CFPs; and (4) achievement of local, national, and international goals.

Session Speakers





Law Enforcement of Air Pollution Control in Greater Jakarta 2023: A Lesson Learned from Indonesia

Mrs. Damayanti Ratunanda

Deputy Director for Complaints, Compliance, and Administrative Sanction, Director General of Law Enforcement for Environment and Forestry

MOEF



Priorities and initiatives towards strengthening emission standards for coalfired power plants and polluting industries

Engr. Jundy Del Socorro

Air Quality Management Section Chief

DENR - EMB



The Historical Progression of Pollution Control Measures in Shanghai's Coal-fired Power Plants

Mr. Jianzhi Zhao

Deputy Director of the Department of Atmospheric Ecology

Shanghai Municipal Bureau of Ecology and Environment



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- Environmental Management Bureau





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Panel Discussion



MODERATOR

Atty. Glynda Bathan-Baterina
Deputy Executive Director
Clean Air Asia



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Shanghai Municipal Bureau of Ecology and Environment



Dr. Wei Wan
PRC Program Director
Clean Air Asia





Updates on the Air Quality Management Plan of Vietnam

Mrs. Nguyen Thi Nguyet Anh
Deputy Director Northern Center for Environmental
Monitoring

Ministry of Natural Resources and Environment





Closing Statement

Atty. Glynda Bathan-Baterina
Deputy Executive Director
Clean Air Asia





THANK YOU!

For questions and additional information, kindly e-mail info@cleanairasia.org

