



# U.S. Department of State Mission to China: Industrial Boilers Efficiency and Fuel Switching

January 2016

## Overview and Objectives

As of 2012, there are 6,903 and 3,444 registered coal-fired industrial boilers in Xi'an and Ningbo respectively, which consume 700 million tons of coal annually. These boilers account for nearly 20% of the nation's total coal consumption, and produce 33% of black carbon emissions and 27% of SO<sub>2</sub> emissions.

To address this issue, the U.S. Department of State (DoS) is sponsoring a mission to China in January 2016 in support of reducing emissions from industrial boilers in China with U.S. technology in the pilot cities, Ningbo and Xi'an. This mission will build upon a current, high profile, assessment of Chinese industrial boilers that is being led by the Bureau of Energy Resources (ENR) at the Department of State (DoS) and the National Development & Reform Commission of China (NDRC).



## Methodology

The mission will bring together U.S. technology providers, U.S. financing partners, NDRC technical experts, city and plant managers, in Ningbo and Xi'an to present the best options for industry to comply with the newly mandated coal-fired boiler policies:

- Option 1-Switching fuel by replacing coal-fired boilers with boilers fueled by natural gas, biomass, oil, or electricity;
- Option 2- Retrofitting existing boilers to improve energy efficiency;
- Option 3- Eliminating scattered boilers and save the aggregated demand via a community-scale system.

## Agenda

The mission will entail spending one day in Beijing meeting with NDRC boiler project working group officials and members of their technical team. Then, the U.S. delegation will spend two days each in the pilot cities, Ningbo and Xi'an, for six site visits, presentations, and roundtable discussions to provide technical expertise and recommendations.

### For more information, please contact:

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