

ABSTRACT

This briefing highlights the remarkable recent strengthening of policy and regulatory support for carbon capture, utilization, and storage (CCUS) and carbon dioxide removal (CDR) in the United States. It outlines the Biden Administration's action plan to advance its climate priorities and the U.S. Department of Energy (DOE)'s strategy to advance CCUS and CDR research, development, demonstration, and deployment. Strong federal policy and regulatory support for CCUS, CDR, and clean hydrogen hubs through legislative actions, such as the bipartisan Infrastructure Investment and Jobs Act, and tax incentives are discussed, as are state policies and incentives at high level. Updates are also provided on DOE Office of Fossil Energy and Carbon Management's priorities, initiatives, and interagency and international engagements that aim to help achieve the Administration's climate goals.

Bios

Ayaka Jones is International Technical Advisor for Strategic Engagement in the Office of Fossil Energy and Carbon Management at the United States Department of Energy. She manages the Office's international engagement for carbon capture, utilization, and storage, carbon dioxide removal, and low-carbon hydrogen development with Asia-Pacific countries. Previously, she led analyses of China's energy system and the global coal market at the U.S. Energy Information Administration, where she initiated several Administrator-led dialogues with Chinese government and research institutions in energy statistics and analysis. Prior to EIA, she was an Associate Director at IHS CERA (now IHS Markit) with a focus on North American coal and power research and consulting. She organized and chaired CERAWEEK sessions on carbon capture and storage and helped develop the firm's expertise in coal commodity market fundamentals, biomass-coal co-firing, coal-to-liquids, petroleum coke, coal-bed methane, and power project capital costs. Earlier, she was an engineer with Mitsubishi Heavy Industries Nagasaki Shipyard Shanghai Office. She holds an M.S. in Technology and Policy from Massachusetts Institute of Technology and an M.E. in Thermal Engineering from Xi'an Jiaotong University.

Mr. Adam Y. Wong is the Director for Strategic Engagement in the Office of Fossil Energy and Carbon Management (FECM) at the U.S. Department of Energy (DOE). In this role, Mr. Wong leads the coordination of domestic and international carbon management engagement activities, including multilateral and bilateral efforts with partners committed to carbon management as a long-term climate strategy and partnerships that prioritize net zero carbon emissions.

Prior to this, Mr. Wong was an Energy Attaché and Acting Director for the China Office (DOE China) of the U.S. Department of Energy (DOE) at the U.S. Embassy in Beijing. In this role, Mr. Wong represent the Secretary of Energy and DOE at the U.S. Diplomatic Mission to China to advance U.S. security and economic interests through the U.S. Government (USG)'s and DOE's energy and nonproliferation goals, objectives, agreements, and policies, as well as other initiatives.

Before his assignment in Beijing, Mr. Wong was an Economist in DOE's Office of Fossil Energy (FE). Previously, Mr. Wong also supported the budget management for FE, and worked with FE leadership to analyze spending and develop the annual program budget.

Prior to joining DOE, Mr. Wong was a consultant with both International Business Machines Corporation (IBM) and Leonardo Technologies, Inc. (LTI), a small consulting firm.

Mr. Wong received a Bachelor of Arts in Economics and Chinese from the College of William & Mary in Williamsburg, Virginia, and has college credits from Tsinghua University and Peking University, both in Beijing, China.

Mr. Wong was born and raised in Virginia Beach, Virginia. In his free time, Mr. Wong enjoys traveling the world, visiting theme parks, and cheering on the Washington Football Team, Washington Capitals, and Washington Nationals.