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## **Leading Government Research Official Joins Clean Air-Cool Planet**

*Former Deputy Director of DARPA Will Advise on Implementation of ARPA-E*

WASHINGTON, DC -- Dr. Jane A. "Xan" Alexander, a former deputy director of the Defense Advanced Research Projects Agency (DARPA) and the Homeland Security Advanced Research Projects Agency (HSARPA), has joined Clean Air-Cool Planet in Washington, DC. Dr. Alexander will direct a project to advise the next administration on the implementation of the Advanced Research Projects Agency-Energy (ARPA-E), a recently-authorized agency aimed at creating and developing breakthrough technologies that will change the way we create and use energy.

The initiative is being undertaken in partnership with the Clean Air Task Force and funded by a grant announced today from the Doris Duke Charitable Foundation. Others receiving awards include MIT, Harvard, and Carnegie Mellon.

Under Dr. Alexander's leadership, the initiative will produce a comprehensive roadmap for implementing ARPA-E, established by Congress and signed into law in August 2007. ARPA-E is based on the model of the Defense Advanced Research Projects Agency ("DARPA"), which produced transformational technologies relevant to national defense by funding research that industry, by itself, would not likely undertake.

In her role as project director, Dr. Alexander will convene a panel of expert advisors to craft recommendations regarding the appropriate role of ARPA-E in a new and more comprehensive energy research effort. The panel will develop a report to the next Secretary of Energy and other key officials, offering specific options for the launch of ARPA-E. The panel will also work to build support for ARPA-E in Congress and among potential stakeholders including business, environmental groups, universities, other federal agencies and the international community.

"Xan Alexander's experience managing high-risk and high-payoff R&D efforts make her uniquely qualified to lead this effort," said Rafe Pomerance, president of Clean Air-Cool Planet. "We are delighted that she has agreed to take on this important and challenging project, which has the potential of shaping the direction of energy research for the 21<sup>st</sup> century."

Dr. Alexander spent more than 20 years overseeing advanced research programs for the federal government. In addition to her work at DARPA and at the Department of Homeland Security, she served as the Executive Director for Science and Technology at the Department of the Navy's Office of Naval Research. In that position, she managed the Navy's science and technology programs.

Before joining the Federal executive branch, she served in the legislative branch as a Senate aide and as an analyst at the Congressional Office of Technology Assessment.

Dr. Alexander holds a Ph.D. in Physics from the Massachusetts Institute of Technology. She received her BS in Physics from Stanford University. In 1994, Dr. Alexander received the Arthur S. Flemming Award honoring the top ten Federal employees under 40 years of age. In 1998,

she received the Secretary of Defense Medal for Outstanding Public Service. In 2001, she received the Department of Defense Distinguished Medal for Civilian Service.

“I’m excited to be working with Clean Air-Cool Planet, which played an instrumental role in shaping the ARPA-E legislation, to help guide the next Administration on the implementation of this vital new agency,” said Alexander. “ARPA-E has the potential to make a major contribution to national priorities in the climate change and energy security areas.”

#### About Clean Air – Cool Planet

Clean Air-Cool Planet is a science-based, non-partisan, non-profit organization dedicated solely to finding and promoting solutions to global warming. Through our Climate Policy Center we develop and promote economically efficient and innovative climate policies. CA-CP provides hands-on assistance to companies, campuses, communities and science centers to help them reduce their carbon emissions and demonstrate the economic opportunities and environmental benefits of action on climate change. Find out more at [www.cleanair-coolplanet.org](http://www.cleanair-coolplanet.org).

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