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Energy Department Invests to Drive Down Costs of Carbon Capture, Support Reductions in Greenhouse Gas Pollution

*18 Innovative Carbon Capture Projects Will Help
Make Fossil Energy Use Cleaner, Safer and More
Sustainable as Part of the Obama Administration's
Climate Action Plan*

WASHINGTON — As part of the Obama Administration's Climate Action Plan, today the Energy Department announced the selection of 18 projects across the country to research innovative, second-generation technologies that will help improve the efficiency and drive down costs of carbon capture processes for new and existing coal-fired power plants.

“In the past four years we’ve more than doubled renewable energy generation from wind and solar power. However, coal and other fossil fuels still provide 80 percent of our energy, 70 percent of our electricity, and will be a major part of our energy future for decades,” said Secretary Ernest Moniz. “That’s why any serious effort to protect future generations from the worst effects of climate change must also include developing, demonstrating and deploying the technologies to use our abundant fossil fuel resources as cleanly as possible. As part of the President’s all-of-the-above approach to develop clean and affordable sources of American energy, the projects announced today will focus on the next generation of carbon capture technologies - helping to drive down the cost, increase efficiency and ensure America’s continued international leadership in combating climate change.”

To date, the Obama Administration has invested \$6 billion in clean coal technologies to ensure the U.S. continues to have access to safe, sustainable and affordable energy from our abundant domestic fossil resources. Developing, demonstrating and deploying these technologies is a critical part of President Obama's all-of-the-above approach to American energy.

With nearly \$84 million in investments from the Energy Department – and additional cost-share from industry, universities, and other research institutions – the projects will support the development of advanced technologies that will help enable efficient, cost-effective application of carbon capture and storage (CCS) processes for new and existing coal-fired power plants.

Projects will conduct carbon capture research for two different fossil power generation processes. For traditional, combustion-based power plants – like most coal-fired plants today – research will focus on more efficiently capturing carbon emissions post combustion. More advanced, [gasification-based electric power plants](#) break down coal - or almost any carbon-based feedstock – into its chemical constituents before any combustion takes place. Research into this technology will improve the efficiency and cost-effectiveness of pre-combustion carbon capture.

A full list and brief descriptions of the awards can be found [HERE](#).

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