



Monumental Clean Energy Innovation Bill Introduced in Senate

American Energy Innovation Act embraces American innovation and reflects the global nature of the climate challenge

WASHINGTON, DC -- Senate Energy Committee Chairwoman Lisa Murkowski (R-AK) and Ranking Member Joe Manchin (D-W.V.) introduced their energy bill, the American Energy Innovation Act today. The bill includes a number of clean energy innovation bills that together will reduce carbon dioxide emissions in the U.S. and globally.

“This clean energy innovation bill is a monumental move toward decarbonizing our economy,” said **Rich Powell, Executive Director of ClearPath Action**. “The American Energy Innovation Act will drive down the costs and improve the performance of next generation clean energy technologies. This provides more options for both American and global energy systems to go clean and address the climate challenge.”

ClearPath Action has identified key provisions from the American Energy Innovation Act.

Advanced nuclear

- Establishes an **advanced nuclear** research, development, and demonstration moonshot focused on bringing two new American reactor concepts to the commercial marketplace by 2025 and another cutting-edge design by 2035. This focus on demonstrations is essential for our national security as China now has 48 operating reactors, and is currently constructing 10 new reactors.
- Advances efforts to develop a domestic source of **new nuclear fuels**, including High Assay Low Enriched Uranium (HALEU), needed to power the next generation of American advanced nuclear technologies.
- Supports the U.S. Department of Energy’s **Versatile Test Reactor** program, a research capability currently only present in Russia, which is needed to accelerate the development of new materials and fuels for advanced reactors.

Energy storage

- Establishes a **grid-scale energy storage** technology R&D grand challenge at the U.S. Department of Energy with a goal of five or more commercial demonstrations of different technologies by 2025.

Carbon capture

- Launches a new **transformational coal and natural gas technology program** with the goal of initializing at least five new capture demonstration projects by 2025, with no less than two being on natural gas facilities.
- Directs the Department of Energy to advance a **new industrial-sector R&D program** focused on reducing carbon emissions from non-power industrial sectors.
- Accelerates research, development, and demonstration of **new carbon removal, utilization, and storage technologies** to advance the carbon dioxide commodity market and complement corporate carbon reduction commitments.

Geothermal

- Advances **cutting-edge enhanced geothermal** system R&D to accelerate the commercial development of new technologies capable of being deployed across multiple sectors in the United States and abroad, with a goal of at least four demonstrations by 2025.
- Streamlines the **geothermal energy** exploration permitting process to unlock additional baseload clean energy production while promoting the R&D of cutting-edge enhanced geothermal systems capable of being deployed across the United States and abroad.

Cross cutting innovation

- Promotes innovative **clean manufacturing technologies** to reduce emissions from the industrial sector and advance American manufacturing global competitiveness.
- Reauthorizes the successful **Advanced Research Projects Agency–Energy (ARPA-E)** program for five years.

About ClearPath Action

ClearPath Action's vision is that America leads in affordably powering the world with reliable clean energy. ClearPath Action's mission is to develop and advance conservative policies that accelerate clean energy innovation. To advance that mission, ClearPath Action develops cutting-edge policy and collaborates with academics and industry. Learn more at clearpathaction.org. Follow us on Twitter: @JayFaison1, @powellrich, @ClearPathAction