

Office of Fusion Act of 2025

Senators Alex Padilla (D-Calif.) and John Cornyn (R-Texas)

Fusion energy has the potential to harness the power of the sun — to manufacture near limitless energy for our homes, economy, and future. It is also a carbon-free source of power that can reduce our dependence on fossil fuels and save the planet.

Fusion has been described as the “energy of the future” and ignition has been achieved over five times at the Lawrence Livermore National Lab (LLNL) in California. This success and momentum in the U.S. needs to continue as China is also investing heavily into fusion energy to achieve commercialization.

What the *Office of Fusion Act* would do:

- Establish an Office of Fusion at the Department of Energy (DOE), to advance fusion energy, in partnership with the private sector, to accelerate research, development, demonstration, deployment, and market adoption of fusion technologies.
- This office would advance near-term and long-term fusion energy science and technology to meet the energy, environmental, and economic needs of the United States.

Why is this bill necessary?

- Earlier last month, DOE released their reorganization plans which included an “Office of Fusion.” This bipartisan piece of legislation would complement these plans and urge DOE to move forward with their plans to ensure that the U.S. can continue advancing fusion technologies.