



Opening Statement of Chairman Brian Babin

Science, Space, and Technology Full Committee Hearing
The Genesis Mission: Prioritizing American Science and Technology Leadership
December 10, 2025

Good morning, and thank you for joining us for today's timely hearing titled, "The Genesis Mission: Prioritizing American Science and Technology Leadership." I am eager for this morning's discussion and to learn more about the Genesis Mission, as well as the Department of Energy's (DOE) recent reorganization to reflect the Trump Administration's new priorities.

On November 24th, President Trump signed Executive Order 14363, "Launching the Genesis Mission," creating a national initiative to build the world's most advanced platform to accelerate scientific innovation and discovery by harnessing the power of artificial intelligence (AI).

Led by DOE, in collaboration with the White House Office of Science and Technology (OSTP), this effort arrives at a pivotal moment. We are in the midst of a computing revolution—propelled by AI—that is transforming how we conduct science.

The Genesis Mission brings together DOE's 17 National Laboratories, America's leading universities, and industry to create a national discovery platform that unites the world's most powerful supercomputers, AI systems, and emerging quantum technologies with the nation's premier scientific instruments—establishing an integrated infrastructure for groundbreaking exploration.

By connecting these systems, the Genesis Mission will generate new data to train advanced AI models, empowering researchers to tackle the most complex scientific challenges.

Its goal is to double the productivity and impact of U.S. research and development by pairing scientists with intelligent systems that can reason, simulate, and experiment at extraordinary speed.

Let me be clear: the Genesis Mission will not use AI to replace scientists, but to enhance their work. It leverages AI for discovery—not automation—and helps researchers explore and understand our universe with greater depth and efficiency than was ever previously possible.

Think of the breakthroughs that could be unlocked—from realizing fusion energy, to securing critical materials, to discovering new quantum computing algorithms and life-saving medicines. The Genesis Mission has the potential to expand the realm of possibilities across energy, discovery science, and national security.

I look forward to examining how the Genesis Mission will reinforce American leadership and how DOE's reorganization positions the Department to carry out the Administration's priorities.

To ensure American leadership in cutting-edge technologies, the Trump Administration established two new offices at DOE: one focused on AI and quantum, and the other on nuclear fusion. This reflects the Department's commitment to advancing critical and emerging technologies that will strengthen America's strategic position. Understanding how these new offices will support the Genesis Mission and the Administration's broader priorities is essential to today's discussion.

We cannot afford to cede scientific leadership in advanced technological sectors to our adversaries, especially the Chinese Communist Party. This common-sense reorganization—in concert with the Genesis Mission—recognizes that reality and underscores the strengths of our National Labs, universities, and industry in driving exploration and discovery across the basic sciences.

These types of public-private partnerships are key to ensuring our scientific enterprise plays an integral role in safeguarding our energy, economic, and national security.

This Committee is committed to working with the Department to bolster these partnerships and to promote the shared priorities of both the Committee and the Administration so the United States remains at the forefront of innovation.

Thank you again, Under Secretary Gil, for your testimony today. I yield back the balance of my time.