

The United States, partner countries and philanthropies are joining forces to accelerate the transition to clean, secure energy systems and build a **Net Zero World**

The Net Zero World Initiative leverages expertise across U.S. government agencies and Department of Energy (DOE) national laboratories, in partnership with other governments and philanthropies, to accelerate the **decarbonization of global energy systems**.

This whole-of-government approach supports countries committed to raising their climate ambitions by creating and implementing highly tailored, actionable technical and investment strategies that put net zero within reach. The Net Zero World Initiative enables country partners to harness the power and technical expertise of U.S. and international industry, think tanks, and universities.

Strategic objectives

- **Develop and support ambitious technical, market and investment strategies for clean energy transformation**—The Initiative collaborates with partners to develop country-specific technical and investment plans detailing the cross-cutting planning and deployment strategies needed at national, regional, and local levels.
- **Deliver holistic support for immediate and sustained transformative projects that maximize overall impact for the region**—The Initiative supports, for example, the development of cross-sector project pipelines and infrastructure modernization plans for partnering with the private sector and developing robust research, development, demonstration, and deployment partnerships to quickly advance technologies from research to implementation.
- **Foster exchanges between U.S. leaders and among countries to support peer-to-peer learning and confidence building**—The Initiative supports exchanges between U.S. states and cities, business leaders, and across countries to inform technical and investment plans and key design and implementation measures to enable peer-to-peer learning, tailored replication of successes, and confidence building. The Initiative also provides implementation support for workforce development programs, with particular emphasis on gender equity and the inclusion of under-represented groups.

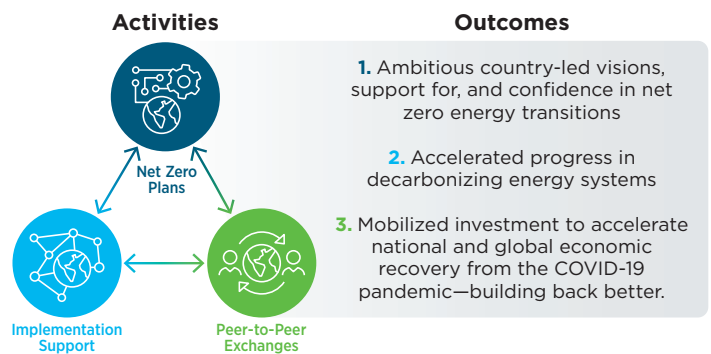
The Net Zero World Initiative signals the commitment of the United States to a global transition to net zero emission, inclusive, equitable, and resilient energy systems.

Resources

By joining the Net Zero World Initiative, partners gain access to:

- **Immediate and sustained access to expert technical, deployment, and investment analysis and facilitation** from the U.S. government, including the U.S. DOE's world-class national laboratories.
- **Targeted support for in-country technical institutions** to build long-term, self-sustaining technical capacity.
- **Deep collaboration to develop technical and investment plans and support implementation** for technology project design and testing, infrastructure modernization, enabling policies and measures, investment analysis and facilitation, capacity building and workforce development, and other critical actions needed to achieve near- and long-term energy system decarbonization.

The Net Zero World Initiative addresses energy-system wide and specific decarbonization measures and approaches for the following sectors: **buildings, transport, power, industry, storage, nuclear, carbon capture and geologic storage, and energy use in agriculture**.



Net Zero World Partners

U.S. Federal Agencies: The Export Import Bank of the U.S. (EXIM), The Millennium Challenge Corporation (MCC), U.S. Department of Commerce, U.S. Department of Energy (DOE), U.S. Department of State, U.S. Agency for International Development (USAID), U.S. Department of the Treasury, U.S. Trade and Development Agency (USTDA), U.S. International Development Finance Corporation (DFC)

Philanthropies: Breakthrough Energy, Lynne and Marc Benioff, Bloomberg Philanthropies, Global Energy Alliance for People and Planet







Governments: Argentina, Chile, Egypt, Indonesia, Nigeria, Ukraine

DOE National Laboratories: Argonne National Laboratory, Brookhaven National Laboratory, Idaho National Laboratory, Lawrence Berkeley National Laboratory, Lawrence Livermore National Laboratory, National Energy Technology Laboratory, National Renewable Energy Laboratory, Oak Ridge National Laboratory, Pacific Northwest National Laboratory, Sandia National Laboratories

The Net Zero World Initiative aims to achieve the following milestones



Example Technical Cooperation Areas

Transportation	Industry	Buildings	Carbon Capture & Geologic Storage	Power & Storage	Energy System-Wide & Crosscutting Topics
 <p>Policies supporting public-fleet procurement and sustainable fuel adoption</p> <p>Low-carbon fuel standards to drive deployment of zero-emissions vehicles</p> <p>Modeling and analysis of low and zero carbon options</p>	 <p>Policies and standards for energy and material efficiency</p> <p>Modeling and analysis to determine decarbonization opportunities</p> <p>Programs to support clean energy entrepreneurship and energy justice</p>	 <p>Policies to attract finance</p> <p>Codes and standards for building and appliance efficiency</p> <p>Technology demonstration at building/community-level</p> <p>Workforce development for operators of net-zero buildings at scale</p> <p>Modeling and analysis of decarbonization options</p>	 <p>Country-level assessments to identify opportunities and technical assistance</p> <p>Regulatory assistance and best practices for community engagement</p> <p>Clean energy pathways that link CCS and renewables</p> <p>Assessment capacity building</p>	 <p>Grid modernization infrastructure and operational tools</p> <p>High penetration renewables deployment options</p> <p>Analysis and road mapping to evaluate storage technologies</p> <p>Policies and regulations for grid planning, energy storage business models and market development</p>	 <p>Energy system-wide analysis to inform accelerated net zero technical and investment plans</p> <p>Just transition and energy equity</p> <p>Energy investment and finance mobilization</p> <p>Energy use for agriculture</p> <p>Hydrogen production, use in transportation, industry, etc.</p> <p>Nuclear energy for baseload electricity</p>

