CIF CLIMATE INVESTMENT FUNDS

ENERGY STORAGE

GLOBAL ENERGY STORAGE PROGRAM

INVESTOR FACTSHEET

RENEWABLES ARE ON THE RISE

Amid falling clean technology costs and increasingly favorable regulatory conditions, more communities are powered by renewable energy than ever before. Wind turbines and solar panels are respectively 40% and 80% cheaper than in 2009, and renewable energy accounts for a record 26% of global electricity generation. Progress is being made, but barriers to a climate-smarter future persist. In particular, renewables such as wind or solar power are prone to intermittency, providing electricity only when the wind is blowing or the sun is shining. In order to generate round-the-clock clean power and narrow the global energy access gap, many countries—especially emerging economies—need an efficient, reliable, scaled, and affordable means of integrating energy into the electrical grid.

ENERGY STORAGE BUILDS LOW-CARBON ECONOMIES

Energy storage technologies are among the most promising tools we have to expand integration of renewables more effectively and with the speed and scale that the climate crisis demands. Some storage technologies are relatively mature, but need to be scaled up, while others are still developing. Greater investment is needed to mitigate risk, reduce costs, and clear a path for expanding use and availability of these critically important technologies.

INTRODUCING THE GLOBAL PROGRAM FOR ENERGY STORAGE

The Climate Investment Funds' Global Energy Storage Program (GESP) will help deliver breakthrough energy storage solutions at scale in developing countries. The program makes CIF the world's largest multilateral fund supporting energy storage, building on over $400 million in existing storage support. GESP funding is expected to mobilize an additional $2 billion of public and private investments for these vital technologies.

In addition, this first-of-its-kind investment program aims to:

- Help develop new storage capacity in developing countries
- Accelerate cost reduction
- Support integration of variable renewable energy into grids
- Expand energy access for millions of people

Concretely, GESP concessional finance—that is, finance with substantially below-market terms and conditions—will support:

- Solar, wind, and hybrid power projects with storage for grid services.
- A wide range of technically and economically viable storage systems, including but not limited to gravity-based technologies, thermal storage, and electrochemical batteries.
- Large-scale demonstration projects supporting less mature but technically viable, long-duration storage technologies.
- Mini-grids and distributed energy applications
- Policy and regulatory reforms to encourage:
- Participation and fair compensation of the full range of energy storage services
- Environmentally friendly storage technologies
- Battery recycling programs
- International cooperation to address key research, development, and knowledge gaps hindering long-term sustainable deployment of energy storage, including through piloting or testbeds of new technologies

PARTNERSHIP MAKES ALL THE DIFFERENCE

This initiative is a global partnership of governments, multilateral development banks, and private corporations committed to delivering on a climate-smarter future through energy storage technologies. They include:

- Climate Investment Funds
- World Bank
- International Finance Corporation
- Inter-American Development Bank
- African Development Bank
- Asian Development Bank
- European Bank for Reconstruction and Development

For more information, please visit
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