Energy storage for resilience washington d c

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WASHINGTON, DC, March 13, 2024 — The Department of Energy and Environment (DOEE) is pleased to announce the award of $540,000 to the F.H. Faunteroy Community Enrichment Center (Faunteroy Center) for the development of a microgrid system to support the Center’s role as a resilience hub. This system, integrating solar, battery storage, and a controller, will fortify the Faunteroy Center's role as a resilience hub by providing clean backup power during grid outages.

District’s Climate Ready DC, Resilient DC, Clean Energy DC, and Sustainable DC plans call for the creation of a network of community resilience hubs throughout the District that are located within walking distance of residents, particularly those who are the most vulnerable to the impacts of climate change (e.g., flooding, and extreme heat). This pilot project will help inform how District government can support a broader network of resilience hubs to equitably improve communities’ preparedness for the impacts climate change.

"This innovative resilient hub pilot project at the Faunteroy Center is an important step in helping the District meet its clean energy and climate resilience goals while reducing impacts of climate-related emergencies in the District’s most vulnerable neighborhoods,” said DOEE Director Richard Jackson. “We look forward to expanding and embracing these practices with future projects as the District strives for environmentally responsible and resilient communities.”

Resilience Hub rollout based on the RHCC blueprint is being spearheaded by the Faunteroy Center, “Through this project, we once again demonstrate promising practices based on a multi-partner approach with DC Government for the successful rollout of resilience hubs, said Faunteroy Center Executive Director Dr. Estelle-Marie Montgomery.

A ribbon-cutting ceremony for this project will be held at the Faunteroy Center (4800 Nannie Helen Burroughs Ave NE, Washington, DC 20019) on March 14, 2024 from 3pm to 4pm. This event celebrates the kick-start of the Resilience Power System (Solar + Battery Backup) and Resilience Programming space installation and buildout.

WASHINGTON, D.C. - The U.S. Department of Energy (DOE) today announced the beginning of design and construction of the Grid Storage Launchpad (GSL), a $75 million facility located at Pacific Northwest National Laboratory (PNNL) in Richland, Washington that will boost clean energy adaptation and accelerate the development and deployment of long-duration, low-cost grid energy storage.

"The Grid Storage Launchpad facility will bring together researchers and industry from around the country to modernize and add flexibility to the power grid, advance storage technologies, and boost use of clean energy,"

said Secretary of Energy Jennifer M. Granholm. "Deploying new grid technologies means we can get more renewable power on the system, support a growing fleet of electric vehicles, make our grid more reliable and resilient, and secure our clean energy future."

The planned facility will include 30 research laboratories, some of which will be testing chambers capable of assessing prototypes and new grid energy storage technologies under real world grid operating conditions. The GSL will include flexible workstations and collaboration spaces, including Fellowship Labs, which will provide dedicated space for researchers to incubate storage technologies originating from the U.S. research and development community.

During this new phase of development, PNNL will select a design and construction contractor and begin working toward the start of construction, which could begin late this year. The building is expected to be operational and ready for occupancy by 2025.

"It took 40 years to get to the current state of today"s lithium-ion battery technology, but we need to move much faster to develop the long-duration, low-cost batteries needed to meet the significant challenges of decarbonizing the energy system," said PNNL Director Steven Ashby. "The GSL will speed up the process considerably by doing the work needed to develop and deploy new grid storage technologies."

"I"m so glad to see the Department of Energy making this critical investment in renewable energy innovation in Washington state," saidSenator Patty Murray."The Grid Storage Launchpad will help PNNL continue to lead the way on clean energy storage and adaptation for decades to come, and as a longtime supporter of this project and a voice for Washington state in the Senate, I"m going to continue working to ensure PNNL has the resources and support it needs to continue its critical work towards building a brighter future."

"The Grid Storage Launchpad will play a pivotal role in improving our nation"s energy grid, and Central Washington scientists and researchers are leading the way," said Representative Dan Newhouse. "I am proud to play a small role in securing the funds for this next-generation clean energy project and am delighted PNNL"s experts will continue serving on the front lines of revolutionizing our grid security and paving the path toward continued American energy independence, resilience, and dominance."