GE Vernova’s Hydro Power business to upgrade Cushman II hydropower plant, USA

Cambridge, USA: November 27, 2023 - GE Vernova’s Hydro Power business has been selected by Tacoma Power to refurbish two 27 MW/33 MVA turbine and generator units at the Cushman II hydropower plant, out of the three units installed at the site.

The scope of work includes the design, manufacturing, refurbishment, installation and commissioning of two new generator stators and refurbishment of generator rotor poles, shaft thrust bearing, as well as two new turbine distributors and refurbishment of turbine runner and draft tube.

Located in Mason County, Washington, USA, the 81 MW Cushman II hydropower plant was commissioned in 1930, and can deliver enough renewable energy for about 40,500 homes in the Northwest.

The upgrade is expected to be completed in 2026. The refurbishment/upgrade of the units will help increase availability and reliability for the power plant and deliver more renewable energy to the grid for another 100 years.

Tony Daniels, Senior Engineering Project Manager at Tacoma Power, said: “*The upgrades we are doing to our Cushman hydro project will mean that we are able to continue providing clean, renewable hydroelectric power to meet the demand of the residents and businesses in our service area, even as demand grows with increasing electrification.*”

Romain Pellegrino, Hydropower NAM Leader, GE Vernova, said "*The USA is the world's third largest hydropower producer after China and Brazil, with more than 100 GW of installed capacity, a significant and ageing installed base, which*

creates huge opportunities to modernize the fleet, to help extend the projects' life, increase efficiency, and help deliver even more clean energy to the grid. We are pleased to be working with Tacoma Power on this project, which gives a great example of the possibilities that come with Hydropower."

Hydropower projects are set to be operational for the very long term, meaning that the projects will provide a large amount of renewable energy for several generations to come. A typical hydropower facility can have an operating life of more than a hundred years, if maintained regularly, without having to re-build dams.

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About GE Vernova
GE Vernova is a planned, purpose-built global energy company that includes Power, Wind, and Electrification segments and is supported by its accelerator businesses of Advanced Research, Consulting Services, and Financial Services. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it. GE Vernova helps customers power economies and deliver electricity that is vital to health, safety, security, and improved quality of life. GE Vernova is headquartered in Cambridge, Massachusetts, U.S., with more than 80,000 employees across 140+ countries around the world. GE Vernova's **Hydro Power** business produces advanced technologies that harness the power of water to help deliver reliable power to some of the world's largest economies and remote communities.

GE Vernova's mission is embedded in its name – it retains its legacy, "GE," as an enduring and hard-earned badge of quality and ingenuity. "Ver" / "verde" signal Earth's verdant and lush ecosystems. "Nova," from the Latin "novus," nods to a new, innovative era of lower carbon energy. Supported by the Company Purpose, *The Energy to Change the World*, GE Vernova will help deliver a more affordable, reliable, sustainable, and secure energy future.

Learn more: GE Vernova and LinkedIn.

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Media inquiries

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