

The SNS Power Upgrade Project has received Critical Decision 1 from the US Department of Energy and is progressing well toward Critical Decision 2. This project will raise the machine energy from 1 to 1.3 GeV and modify the ring injection region to accommodate the energy increase. A maximum of nine cryomodules will be added to the existing machine lattice, together with associated power conversion, rf, controls and other support infrastructure, and a new ring injection chicane and beam stripping mechanism will be installed. This talk will review the scope and progress of this project, and will also discuss other initiatives to increase the peak current that can be injected and accelerated in the SNS linac.