Self-Managed Priority for Stockpile Modernization

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- Modernization teams were asking us to intervene to give their jobs priority boosts, normal priority process was too burdensome

- Explored options with the W80-4 and W87-1 team leads

- Team leads didn't want to learn Slurm commands, we were concerned about mistakes they might make with Slurm account coordinator privileges, didn't want to hold nodes idle

- Set up long term priority with a special Slurm account, QoS and resource limits

- Created a script for team leads to use to add and remove users' access to the priority

- A second script with Slurm privileges runs periodically to implement changes

- Jobs submitted by authorized users receive top priority on their designated cluster

- Implemented in April 2020 for W80-4 team

- Bonus - very helpful during the pandemic and onsite restrictions to give the modernization teams more control over their priority without intervention from HPC Systems