

Reducing Carbon Emission at the MagLab

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Carbon emissions are a byproduct of burning fossil fuels to produce energy.

 CO_2

Targets and Metrics



Reduce, reuse, and recycle the energy at the MagLab, thus reducing the carbon emissions that the MagLab contributes to.

Objective:

Reduce the carbon emissions that the MagLab is responsible for by reducing the energy consumption of the lab.



The powerful magnets at the MagLab produce a lot of heat and are cooled by a chill water cooling system that assumes the magnets are at 100% power.









Optimize Cooling PumpsBy running the

pumps at the appropriate power rating, team 517 can reduce the carbon emissions of the MagLab.

