

## HEATING/STEAM DISTRIBUTION SYSTEM UPGRADE

Montana Technological University is in dire need of an upgrade to its steam heat distribution system.

The 80-to 100-year-old system uses a combination of tunnels and direct buried lines that are corroded campus-wide, with numerous pipe failures on the south and west side of campus. The system provides general heating and domestic water heating to 17 campus buildings.

Annual repairs have kept the system operational and reduced steam and condensate losses. However, they are in danger of catastrophic failure, which would leave 80 percent of the campus without heat and hot water.

An October 2019 study of the system by Three Rivers Engineering recommended immediate capital investment to improve safety and reliability.

With the needed repairs, the system will remain an efficient and cost-effective means of meeting the campus' heating needs for the long term. The heating plant's boilers are in excellent condition and have excess capacity sufficient to handle current and immediate future heating requirements.

The \$6 million project would take approximately 6 to 12 months to complete, with work beginning immediately upon receipt of funding.

### Montana Technological University Heating & Steam Distribution System Upgrade

- **\$6 million**
- Funds would repair the **80-to 100-year-old network of tunnels and buried lines providing heat and hot water to 80 percent of the Montana Tech campus.** The steam heat delivery system is in danger of catastrophic failure.
- **6 to-12-month project** would commence immediately upon receipt of funding.

