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Community-Centric Energy Transition in Wind River

A Needs-Based Approach to Energy Innovation, STEM Education, Workforce Development, and Air Quality Monitoring at Fort Washakie School in the Wind River Reservation, Wyoming.



Addressing Multidimensional Challenges Together

Energy Security

Persistent outages affect student learning, safety, access to free lunch programs, wifi, air quality monitoring and more in this community facing compound educational, environmental and economic challenges.

Energy Poverty

Unstable and costly power leads residents to burn materials for heat in harsh Wyoming winters. The school serves as a crucial warm and safe refuge for students.

Energy Transition

Renewable energy generation and storage solutions on the Wind River Reservation will enable the community to improve energy security, reduce risk and provide experiential learning opportunities

Air Quality

The decommissioned Uranium mine and toxic tailings pose a serious air quality risk in the region. Energy insecurity hinders consistent and reliable air quality monitoring and research.