

Chinle Unified School District

Design-Build Project Phase I

Chinle, AZ

PROJECT SAVINGS

4,345



Acres of US Pine Forest Sequestered Each in one year

25,836



TONS of waste recycled instead of landfilled

15,300,915



Miles Driven by an Average Passenger Car

DECARBONIZATION

Project Investment: \$33.9M
ESSER Contribution – HVAC: \$4.9M
IRA Funds Reimbursement: \$9.9M
Lifetime Savings to District: \$73.5M

Financial backing for the project comes from the Inflation Reduction Act (IRA), which enabled the District to tap into nearly \$10 million in federal funding for the solar installation. The IRA funding covers 50% of the project's cost, and the solar installation is projected to offset 60% of the District's grid electricity consumption. The District projects a \$73 million in savings over the lifetime of the project, which also received strong support from the District's Board.



PROJECT OVERVIEW

In Arizona, Chinle Unified School District (Chinle USD) has teamed up with Veregy to initiate a far-reaching energy project. The project aims to boost energy and operational efficiency across the District's facilities. The enhancements are diverse and include LED lighting, HVAC system upgrades, photovoltaic (PV) solar systems, water efficiency upgrades, and control systems. The project, totaling \$33.8M, will use the utility and operational savings to pay for itself. Additionally, the District will integrate new equipment with their existing building automation system and use Veregy's utility monitoring and analytics software, Orchestrate, for performance management.

From a sustainability perspective, the project aligns with Chinle USD's commitment to minimize its carbon footprint. The energy conservation measures are expected to save a total of 8,422,172 kilowatt-hours. The project also bears significance as the largest tribal energy project in Arizona history, particularly meaningful given the largest Native American student population is at the District's high school.

PROJECT HIGHLIGHTS

- Dynamic LED Lighting
- HVAC Upgrades
- Orchestrate
- Water Efficiency Upgrades
- PV Solar



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