

Tri-County Uses WRF, Healthy & Safety, and Priority List For Apartment Project



Tri-County Community Action, in Little Falls Minnesota, approached Central Minnesota Housing Partnership (CMHP), a local Community Housing Development Organization (CHDO), about Weatherizing The Randall Apartments. Director Jason Foy says collaboration with the property owner and Minnesota Department of Commerce were essential.

Foy explained, *"Initially using EAQUIP software, it was later decided that the DOE Priority List would better serve the project's needs. DOE WRF was used to upgrade the electrical panels so we could effectively install spot ventilation in each unit meeting our ASHRAE standard. WRF really made this multi family project work; without those funds we would have needed to find other resources to get the project across the finish line."*

Installed Measures:

1. **Attic Insulation:** Installed to R-60.
2. **Ventilation System and Heater Removal:** Old central ventilation system and old plenum heater were removed from the attic, and spray foam was used to seal the attic from the building.
3. **Continuous Bath Fans:** Installed in each unit and vented out to meet ASHRAE standards.
4. **Pipe Wrap:** Applied on the water heaters servicing the building.
5. **New Refrigerators:** Installed in the units.
6. **New 120V Through-Wall AC Units:** Installed in the units.
7. **Sub Panel Upgrades:** New sub panels were installed in each unit to convert the 220V AC outlets to 120V outlets and support new bath fans.
8. **LED Lighting:** Installed throughout the full building.
9. **Air Sealing and Compartmentalization:** Each unit was air-sealed and compartmentalized to prevent air movement between units.

The project, Foy says, *"has been pivotal for the community. Residents will benefit from significantly lower utility bills and a more comfortable living environment."*

