

EXECUTIVE BRIEFING: THE REGIONAL DATA RESILIENCE HUB

Project Lead: Fire Crusades Inc. (501c3) | **Director:** Justin Daniels

Federal Opportunity: NOAA-NWS-2024-28059 | **Investment:** \$832,450



THE VISION

Fire Crusades is establishing "**The Forge**"—a hardened technical anchor in Rogersville designed to bridge the gap between rural isolation and the global technical economy. We are building a "Climate-Ready" infrastructure that provides **Power, Connectivity, and Education** to Hawkins County, even when the grid goes dark.

CORE INFRASTRUCTURE: "THE FORGE"

We are constructing an industrial-grade **Integrated Resilience Wing**:

- **The Hub:** A modular, solar-hardened server facility with 1TB of RAM and 100TB of secure data storage.
- **Triple-Power Redundancy:** Powered by the Utility Grid, a 2.5kW Solar Microgrid, and a **1,000-gallon underground propane reserve** (16 days of total off-grid autonomy).
- **Global Node:** Real-time data synchronization with partners in **Canada, the UK, and Brazil**.

THE MOBILE RESILIENCE LAB (THE VAN)

A 100% Electric (EV) outreach vehicle serving the **Clinch Mountain** corridor:

- **Connectivity:** Starlink V3 Satellite internet for "utility-dark" areas.
- **Life Support:** 100-gallon potable water filtration and 15kW off-grid solar charging.
- **Humanity Packs:** Distribution of rugged laptops and solar banks to off-grid students.

WORKFORCE IMPACT: JOBS FOR HAWKINS COUNTY

We don't just teach; we certify. Our 18-month curriculum issues **Industry-Recognized Credentials**:

- **CompTIA ITF+:** Entry-level IT career foundation.
- **FEMA IS-100/200:** Weather observation and disaster response.
- **LPI Linux Essentials:** Professional server administration.

WHY WE NEED YOUR SUPPORT

To secure this **\$832,450 federal investment**, NOAA requires proof of community partnership. We are seeking a **Letter of Support** to demonstrate that local leaders, schools, and agencies are ready to utilize this infrastructure to protect and advance our region.

CONTACT INFORMATION

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