DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

OMB. Control Number: 1660-0017
Expires: November 30, 2023

PROJECT WORKSHEET

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this data collection is estimated to average 1.30 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. This collection of information is not required to obtain or retain benefits. You are not required to respond to this collection of information unless a valid OMB control number is displayed in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW., Washington, DC 20472, Paperwork Reduction Project (1660-0017) **NOTE: Do not send your completed form to this address.**

DISASTER	PROJECT #	PA ID #	DATE	CATEGORY
FEMA - R - IV -DR- 4827			12/11/2024	B

DAMAGED FACILITY	WORK COMPLETE AS OF
Wilson Creek Flood Warning Siren System	Dec 30, 2024 : 0 %

APPLICANT	COUNTY
Caldwell County	Caldwell

LOCATION	LATITUDE	LONGITUDE
Wilson Creek Multiple Locations (Exact Locations Reflected in Supplement Support Document	35.97° NORTH	-87.77 WEST

DAMAGE DESCRIPTION AND DIMENSIONS

Current Status:

1 completely inoperable,1 Operating at 50%, 3 Operating at 75% (Vendor Assessment by Original Vendor)

The cause of the inoperable siren and reduced operating capacity of the sirens was caused by low voltage. It is our opinion that during the storm and flooding, power was fluctuating on the main power line up the valley. Because of the low voltage, the motors on the sirens have been permanently damaged. The sirens that are still operational but are not running at full capacity are essentially dying and will completely fail in the very near future.

SCOPE OF WORK

Replace all five (5) sirens with new battery backed sirens.

Battery backed siren controllers can sense low voltage situations and automatically switch from AC Power to the battery bank and run the siren on DC power therefore protecting the siren from low voltage situations. The sirens would also be fully operational in a complete power loss situation. We would also recommend considering a two-way siren controller. A two-way controller would report back to dispatch the “health” of the siren at any given time. It would advise of AC power loss, battery condition, intrusion and when activated, report back that the siren received the signal and is actually running.

Consider upgrading the AGM batteries in the new sirens to Lithium batteries. Lithium batteries have a lifespan of 10-12 years as opposed to AGM batteries that have a 5 year lifespan. The Lithium batteries carry a full 10 year warranty As opposed to the AGM batteries that carry a 5 year pro-rated warranty. Lithium batteries will double the runtime and quadruple the standby time.

Does the Scope of Work change the pre-disaster conditions at the site? ☒ YES ☐ NO

Special Considerations issues included? ☒ YES ☐ NO

Hazard Mitigation proposal included? ☐ YES ☒ NO

Is there insurance coverage on this facility? ☐ YES ☒ NO

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
1		Replace 5 Existing Sirens	5	23,214.61	116,073.05
2		Installation of replacement sirens	5		39,000.00
3		Lithium Battery Upgrade	5	1,700.00	8,500.00
4		Two Way Controller-Report Back System Upgrade	5	1,250	6,250.00
5		Two Way Base Station Unit (required for report back system)	1		12,100
				TOTAL COST	181,923.05

PREPARED BY	TITLE	SIGNATURE

APPLICANT REP.	TITLE	SIGNATURE