

RESOLUTION NO.

A RATIFIED RESOLUTION AUTHORIZING THE SUBMISSION OF A GRANT APPLICATION TO THE WYOMING OFFICE OF HOMELAND SECURITY FOR THE FFY 2018 STATE HOMELAND SECURITY GRANT PROGRAM (SHSP), ON BEHALF OF THE GOVERNING BODY OF LARAMIE COUNTY, WYOMING TO REQUEST FUNDING FOR THE EMA DEPARTMENT FOR TWO PROJECTS IN THE AMOUNT OF \$397,500.00.

FOR THE PURPOSE OF: REQUESTED FUNDS WILL BE USED TO ADDRESS TWO DIFFERENT PROJECTS. PROJECT #1 WILL PROVIDE CODERED SERVICES AND INTEROPERABLE COMMUNICATIONS EQUIPMENT. PROJECT #2 WILL PROVIDE A REDUNDANT FIBER PATH FOR LARAMIE COUNTY.

WITNESSETH

WHEREAS, the Wyoming Office of Homeland Security receives FFY 2018 SHSP funds from the Federal Emergency Management Agency and;

WHEREAS, the Wyoming Office of Homeland Security distributes a portion of these FFY 2018 SHSP funds to Wyoming Counties and;

WHEREAS, the Laramie County Board of Commissioners is eligible to apply for and receive FFY 2018 SHSP funds for the Emergency Management Agency and;

WHEREAS, the Governing Body of Laramie County desires to participate in the Wyoming Office of Homeland Security Grant Program (SHSP) by sponsoring this grant application to assist in financing the Emergency Management Agency; and

WHEREAS, the Governing Body of Laramie County has been provided with preliminary cost estimates and information on this project; and

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF LARAMIE COUNTY that a grant application in the amount of \$397,500.00 be submitted to the Wyoming Office of Homeland Security for consideration of assistance in funding the Laramie Emergency Management Agency under the FFY 2018 SHSP grant program.

BE IT FURTHER RESOLVED, that Sandra Newland, or her successor in the position of Laramie County Grants Manager, is appointed as agent of the Laramie County Board of Commissioners to execute and submit applications and certifications for these funds and to receive funds and implement the programs funded under this grant.

PASSED, APPROVED AND ADOPTED THIS 3rd DAY OF APRIL, 2018.

By: _____

Date: _____

K.N. Buck Holmes, Chairman

ATTEST:

Date: _____

Debra Lee, Laramie County Clerk

Received and Approved as to Form only By:

Date: 3/23/18

Mark Voss, County Attorney

**FFY2018 State Homeland Security Program
Grant Application**

Agency Name*: Laramie County Emergency Management

Project Title*: Project 1 – Priority 1

Emergency Warnings and Interoperable Communications

Dollar Amount Requested*: \$225,000.00

FFY2018 State Homeland Security Program Grant Application

Applicant Information

Agency Name*: Laramie County Emergency Management
Emergency Management

Type of Jurisdiction*: County

If other, please describe: [Click here to enter text.](#)

Legal Jurisdiction Name (if different): Laramie County

Mailing Address*: 3962 Archer Parkway
Cheyenne, WY 82009

DUNS Number*: 197732709

*If your agency does not have a DUNS number, one can be obtained here: <http://fedgov.dnb.com/webform>

Agency Point of Contact (to contact in regards to this application) *: Jeanine West
Telephone Number: 307-633-4333
Email Address: jwest@laramiecounty.com

Alternate Agency Point of Contact (to contact in regards to this application): Matt Butler
Telephone Number: 307-633-4335
Email Address: mbutler@laramiecounty.com

Alternate Agency Point of Contact (to contact in regards to this application): Sandra Newland
Telephone Number: 307-633-4201
Email Address: snewland@laramiecounty.com

Total Dollar Amount Requested: \$225,000.00

In the event, this grant program requires a match (determined by Congress), can your agency support up to a 25% match component?

☒ Yes

☐ No

Please explain:

Match would have to be authorized and approved by the County Commissioners under the County's operating budget.

FFY2018 State Homeland Security Program Grant Application

Project Description

Provide a detail description of the project. The description must include the scope of the project, how it supports the investment justification and desired outcomes. Be specific. (Use additional sheets if necessary)

CodeRed

The CodeRed Emergency Notification System is a method of public warning and notification used to alert the public of emergency situations, including terrorism events. CodeRed provides warnings, directions and information to the public in the event of an emergency. Our system is a coordinated private partnership between Laramie County and Holly Frontier Refining Company to provide a reliable emergency notification system, 24 hours a day, to residents within Laramie County. This system is also used to dispatch and notify emergency response teams such as Region 7 Hazmat, SWAT, EOD, Elected Officials, and multiple local agency groups to include our regional partners in surrounding counties. CodeRed is also a backup notification system for Holly Frontier staff.

Investment Justification:

The CodeRed system fills a gap between the use of outdoor warning systems (sirens and EAS) and the use of media to provide critical information in case of emergencies, disasters or post disaster needs. CodeRed has the capability of providing mapping and FEMA integration; these features are not available with any other system. This program also allows EMA to have the capability to utilize the IPAWS system.

Laramie County partners with private business to fund the cost of the CodeRed system. Laramie County is requesting 50% of the annual cost of the system for two years for a total \$25,000. Matching funds will be requested from Holly Frontier Refinery Company.

The CodeRed system is an allowable cost under the SHSP grant.
The AEL number: 04AP-09-ALRT

Interoperable Communications Equipment

We are requesting funds to continue to provide WyoLink and P25 capable communications equipment to Emergency Management, local first responders, and supporting agencies. This request also includes the purchase of interoperable communications equipment for responders including Amateur Radio, CERT, and fire districts.

Laramie County has expanded its WyoLink system capabilities with an additional 800 MHz site, providing additional coverage and frequency capabilities to the current statewide system. With continued updates to the system our local county fire districts are quickly losing the ability to utilize both systems, due to out dated equipment. County fire districts do not have the funds available to upgrade all of their mobile radio equipment. Most districts are carrying mobile, and in some cases, portable radio equipment which is no longer supported by Motorola for repairs and updates. The changing dynamics of WyoLink requires more communication equipment

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capable of transmission on both 800 MHz and VHF radio systems. Requested interoperable communication equipment will be capable of multi-jurisdictional use as well as multi system compatibility. Communication equipment has been identified as a gap in our current THIRA process. Laramie County EMA will use a needs analysis, provided by responding agencies, to assist in the disbursement of the equipment.

Laramie County has a communications plan compatible with the State plan in the use of the WyoLink system. The county follows the ICS structure and uses the standard ICS 205 communications plan.

This equipment is allowable under SHSP funds and is supported by several AEL's to include:

06CP-01-MOBL / 06CP-01-PORT – Mobile and Portable radio needs for county fire districts are being assessed. Based on grant award, additional radios compatible with P25 and WyoLink will be purchased. Dual band mobile radios are estimated at \$6,000 to \$7,000 each. For 2018 we are estimating \$180,000 to replace a portion of the mobile radios.

06CC-02-PAGE – pagers are utilized as the first line of communication and response for all county fire districts from the Laramie County Combined Communications Center. Multiple districts have outdated equipment that Motorola no longer carries replacement parts for. New pagers cost approximately \$700.00 per pager. For 2018 we are requesting \$15,000.00 to replace around twenty-one pagers.

06CP-01-HFRQ / 06CP-02-BRDG – Enhancements of the Digital Mobile Radio program are still being addressed within Laramie County and throughout the state. As assessments of future needs are being evaluated, additional equipment will need to be purchased to support WyoLink. Laramie County EMA is also reviewing the current Amateur Radio needs within the county to increase capabilities of this service. Cost for this portion of the project should not exceed \$5,000 at this time.

Investment Justification:

Our request of interoperable communications will provide a smoother, faster and more accurate means of communications for local and state partners. The equipment will aid in resource management and planning in the event of emergencies, terrorism, natural disasters, or man-made events. The equipment is WyoLink compatible and will assist Laramie County in building and developing the tactical interoperable communications plan.

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Project Information

Project Title*: Project 1 – Priority 1
Emergency Warnings and Interoperable Communications

Project Location: Laramie County

Start Date: 10/1/18

End Date: 12/31/20

Primary Mission Area*: Response

Additional information regarding these Mission Areas can be found at: <http://www.fema.gov/mission-areas>

Core Capability: Operational Communications, Operational Coordination, Public Information & Warning

The Core Capabilities are outlined in the National Preparedness Goal which can be found at: <http://www.fema.gov/pdf/prepared/npg.pdf>. Additional information regarding the Core Capabilities can be found by going to <http://www.fema.gov/core-capabilities>. The Crosswalk of Target Capabilities can be located at <http://www.fema.gov/pdf/prepared/crosswalk.pdf>

Primary: **Operational Communications**

Secondary: **Operational Coordination**

Tertiary/Third: **Public Information and Warning**

Will this agency accept a partial award for this project?

☒ Yes

☐ No

Is any part of this proposed project a deployable asset? (Identifies the availability and the utility of an asset to multiple jurisdictions, regions, and the Nation; provides information on mobility of assets in an area. An asset that is physically mobile and can be used anywhere in the United States and territories via Emergency Management Assistance Compacts (EMAC) or other mutual aid/assistance agreements)

☒ Yes

☐ No

Please explain: All radio equipment is deployed on a daily basis based on call volume for each department. WyoLink equipment is a deployable asset within the State of Wyoming.

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Is any part of this proposed project a shareable asset? *(Identifies the asset's ability to augment and sustain a reinforced response within a region. An asset that can be utilized as a local, state, regional, or national capability, but is not physically deployable (i.e., fusion centers)*

☐ Yes

☒ No

Please explain: In the event of a large disaster portable radio communications equipment can be shared within the local jurisdiction and/or neighboring jurisdictions based on talk group availability programmed within the equipment. However, this equipment is physically deployable.

Explain this project's dual applicability to all-hazard events (manmade and natural hazards): Interoperable communications equipment can be used on all hazard events to include natural and manmade. WyoLink equipment will be programmed to allow all agencies to utilize if needed.

Does this project support a NIMS typed resource?

☒ Yes

☐ No

Please explain: Our interoperable communications request will support the National Response plan and the Emergency Response Plan for Laramie County. All equipment will be NIMS typed.

Does this project support a previously awarded investment?

☒ Yes

☐ No

If yes, what previous year, investment name and last completed milestone?

CodeRed has been supported with SHSP funding since 2008 and all milestones have been completed for CodeRed services. Laramie County EMA has used SHSP funds to support interoperable communications equipment since 2004. Our agency partners with local responders to ensure each entity is prepared to handle events within the community by having the proper communication equipment.

Milestones

The grantee should submit at minimum of three (3) milestones for all projects. Milestones should represent a logical progression of the project to allow for realistic monitoring and management of grant funding. This attribute will function as a tool for measuring project progress in future reporting periods. Provide a high level narrative description of activities to occur within each milestone including anticipated milestone dates/timeframes.

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CodeRed

Grant funding will allow Laramie County the ability to continue to provide emergency notification to the community, as well as, the capability to notify our specialized teams in the event they need to be dispatched for services. A single payment will be made to CodeRed for annual services in January totaling \$25,000. Holly Frontier reimburses the county for 50% of the systems cost.

Timeline:

Year #1 of grant funding (January-December 2019) – CodeRed services are billed and paid for the calendar year of 2019.

Year # 2 of grant funding (January-December 2020)-CodeRed services are billed and paid for the calendar year of 2020.

Interoperable Communications Equipment

Providing interoperable communications equipment is a continuous project for our department. Our goal is to assist local responders with the purchase of equipment to ensure communication capabilities are met during training, exercises, emergencies, and any large scale disasters.

Requested funding will be available to all fire districts, EMS, and law enforcement services, to include emergency management. With the operation of the 800MHz site, located in Laramie County, we have identified gaps in the communication network. Through ongoing use of the site we will be able to identify further gaps in our communications by isolating physical areas of weakness. Extensive testing of current equipment will occur to outline the communication needs for responding agencies. The purchase of equipment will be made based on highest priority of life safety, scene stabilization, and property preservation.

Timeline:

Quarter 1 of grant funding (October-December) – Finalize assessment of needs within the county to generate a comprehensive list of communication equipment needs.

Quarter 2 of grant funding (January-March) – Have all receiving agencies sign the required equipment agreement to adhere to all grant guidelines for equipment availability and tracking. Next step during the quarter will be to purchase equipment per all grant guidance and the county purchasing policy.

Quarter 3 of grant funding (April-June) – Equipment will be marked with a Homeland Security asset tag and inserted into the inventory system for proper tracking. Next equipment will be distributed to awarded agencies for use.

Quarter 4 of grant funding (July-September) - All activities under the interoperable communications section are estimated by be closed out during this quarter.

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Application Checklist

Required:

- ☒ Complete FFY 2018 State Homeland Security Program Grant Application
- ☒ NIMS Adoption Resolution
- ☒ THIRA/CPR Certification

If applicable:

- ☒ Communications maintenance and sustainment plan
- ☒ Training and Exercise Plan
- ☒ Any applicable supporting documentation (maps, product specifications, quotes, etc.)

Submit completed applications in PDF format electronically to:

Program Manager Rachel Nuss

rachel.nuss2@wyo.gov

307-777-5768

**MOTOROLA SOLUTIONS**

Quote Number: QU0000426913

Effective: 10 JAN 2018

Effective To: 11 MAR 2018

Bill-To:

LARAMIE COUNTY EMERGENCY
MANAGEMENT AGENCY
3962 ARCHER PKWY
CHEYENNE, WY 82009
United States

Ultimate Destination:

LARAMIE COUNTY EMERGENCY
MANAGEMENT AGENCY
3962 ARCHER PKWY
CHEYENNE, WY 82009
United States

Attention:

Name: Jeanine West
Phone: 3076334336

Sales Contact:

Name: Kent Sager
Email: kent@actcom.net
Phone: (308) 632-7836

Contract Number: WYOLINK
Freight terms: FOB Destination
Payment terms: Net 30 Due

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	1	M37TSS9PW1AN	APX8500 ALL BAND MP MOBILE	\$4,770.00	\$3,577.50	\$3,577.50
1a	1	G78AT	ADD: 3 YEAR SERVICE FROM THE START LITE	\$168.00	\$168.00	\$168.00
1b	1	G628AC	ADD: REMOTE MOUNT CBL 17 FEET	\$15.00	\$11.25	\$11.25
1c	1	GA01513AA	ADD: ALL BAND MOBILE ANTENNA (7/8/V/U)	\$95.00	\$71.25	\$71.25
1d	1	G241AW	ENH: SOFTWARE ASTRO READY (ANALOG) APEX	-	-	-
1e	1	G8868L	ENH: ASTRO DIGITAL CAI OP APEX	\$515.00	\$386.25	\$386.25
1f	1	GA00235AE	ADD: NO GPS/WI-FI ANTENNA NEEDED	-	-	-
1g	1	W22BA	ADD: STD PALM MICROPHONE APEX	\$72.00	\$54.00	\$54.00
1h	1	G67DF	ADD: REMOTE MOUNT MP	\$297.00	\$222.75	\$222.75
1i	1	W62BA6	ADD: NO MTRCYCLE BNCL NEEDED APEX	-	-	-
1j	1	G51AT	ENH: SMARTZONE OPERATION APX	\$1,500.00	\$1,125.00	\$1,125.00
1k	1	QA01648AA	ADD: ADVANCED SYSTEM KEY - HARDWARE KEY	\$5.00	\$3.75	\$3.75
1l	1	B18CR	ADD: AUXILIARY SPKR 7.5 WATT	\$60.00	\$45.00	\$45.00
1m	1	GA01515AA	ADD: J600 ADAPTER CABLE	\$95.00	\$71.25	\$71.25
1n	1	G173AK	ADD: SMARTZONE OMNITLINK	\$200.00	\$150.00	\$150.00
1o	1	G361AH	ADD: P25 TRLINKING SOFTWARE	\$300.00	\$225.00	\$225.00
1p	1	GA05509AA	DEL: DELETE UHF BAND	\$-800.00	\$-600.00	\$-600.00
1q	1	G442AJ	ADD: O5 CONTROL HEAD	\$322.00	\$324.00	\$324.00
1r	1	G444AH	ADD: APX CONTROL HEAD SOFTWARE	-	-	-

Total Quote in USD

\$5,835.00

THIS QUOTE IS BASED ON THE FOLLOWING:

1 This quotation is provided to you for information purposes only and is not intended to be an offer or a binding proposal.

If you wish to purchase the quoted products, Motorola Solutions, Inc. ("Motorola") will be pleased to provide you with our standard terms

Here is a summary of all of the quotes attached. Hopefully this makes it easier

Motorola APX8500 dash mount single antenna	5788.50
Install dash mount single antenna	130.00
Add multiple antennas and multiplexer	323.00
Install dash mount multiple antenna	180.00
Motorola APX8500 remote mount single antenna	5835.00
Install remote mount single antenna	195.00
Add multiple antennas and multiplexer	323.00
Install remote with multiple antennas	245.00
Minitor VI non-intrinsically safe pager with charger and battery	610.00
Minitor intrinsically safe pager with charger and battery	690.00
Motorola SL 300 mini radio VHF 99 Channel	397.00



LARAMIE COUNTY FIRE CHIEFS ASSOCIATION

Representing Laramie County's Fire and Emergency Services

3962 Archer Parkway Cheyenne, WY, 82009

Ph. 307-633-4336 Fax 307-633-4337

LCFCA@laramiecounty.com

March 7, 2018

Dear Wyoming State Office of Homeland Security,

We are writing to you today in reference to and endorsement of the Laramie County Office of EMA (Emergency Management Agency) communications 2018 SHSP grant submittal.

The endorsement of the communications grant has full support of the governing body and membership for much needed equipment throughout the county. Our current radio inventory is aging, and the 2500 series of both mobile and portable Motorola brand radios are no longer supported by the manufacturer. Although the 2500 series radios performed well at the implementation of the State-wide WYOLINK system, they are at the end of their service life. This creates a unique challenge to keep these older radios working correctly, and efficiently. Ultimately, the emergency ground safety has been compromised when these older radios fail to work when needed. Several cases throughout the county have caused concern with communications during emergency operations, and led to limited or partial communications, or worse, no communications at all. These incidents are increasing as our radios are getting older and call load is increasing county wide. Our 2500 series radios also present an interoperability shortfall with adjoining agency, CFR (City of Cheyenne Fire & Rescue), while attempting communications with county agencies at large scale events. The 2500 VHF based radios cannot communicate with the 5000-series 800 MHz radio used by CFR, especially if they are outside the range of 800 MHZ system. We experienced this most recently at the Carpenter Tornado event last summer, and Pine Bluffs hail storm in 2016. The replacement of the older 2500 series equipment to the newer dual or quad band radio equipment would resolve a number of these issues by allowing all agencies to have the same type of radio, channel matrix, and fulfill the true interoperability piece while operating in the county, and outside of the 800 MHz supported system. We support the \$ 225,000 grant for communications equipment submitted by EMA wholeheartedly.

Sincerely,

A handwritten signature in blue ink, appearing to read "Paul Pomeroy", is written over a horizontal line.

Paul Pomeroy
Laramie County Fire Chief's Association
Board President

And
Fire Chief Laramie County Fire District # 10

<i>Applicable Grant Programs:</i>	Amtrak , BZPP , CCP , EMPG , EOC , IBSGP , IECGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , TSGP , UASI
<i>Grant Notes:</i>	<p>This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.</p> <p>Grant funds may be used to cover only those services provided during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.</p>
<i>Applicable Core Capabilities:</i>	Environmental Response/Health and Safety , Intelligence and Information Sharing , Interdiction and Disruption , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Public Health and Medical Services , Public Information and Warning , Public and Private Services and Resources , Screening , Search , and Detection

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

06CP-01-HFRQ Radio, High Frequency (HF) Single Sideband

<i>Description:</i>	High frequency (HF) single sideband communications equipment.
<i>Applicable Grant Programs:</i>	Amtrak , BZPP , CCP , EMPG , EOC , IBSGP , IECGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , TSGP , UASI
<i>Grant Notes:</i>	<p>This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.</p> <p>Grant funds may be used to cover only those services provided during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.</p>
<i>Applicable Core Capabilities:</i>	Operational Communications

06CP-01-MOBL Radio, Mobile

<i>Description:</i>	Mobile radio equipment, deployed in/on vehicles, or can also be deployed as temporary base stations.
<i>Applicable Grant Programs:</i>	Amtrak , BZPP , CCP , EMPG , EOC , IBSGP , IECGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , TSGP , UASI
<i>Grant Notes:</i>	<p>This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.</p> <p>Grant funds may be used to cover only those services provided</p>

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during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.

Applicable Core Capabilities:

Environmental Response/Health and Safety , Intelligence and Information Sharing , Interdiction and Disruption , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Public Health and Medical Services , Public and Private Services and Resources , Screening , Search , and Detection

06CP-01-PORT Radio, Portable

Description:

Individual/portable radio transceivers.

Applicable Grant Programs:

Amtrak , BZPP , CCP , EMPG , EOC , IBSGP , IECGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , TSGP , UASI

Grant Notes:

This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.

Grant funds may be used to cover only those services provided during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.

Applicable Core Capabilities:

Environmental Response/Health and Safety , Fatality Management Services , Intelligence and Information Sharing , Interdiction and Disruption , Mass Care Services , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Public Health and Medical Services , Public and Private Services and Resources , Screening , Search , and Detection

06CP-01-REPT Repeaters

Description:

An electronic device that receives a weak or low-level signal and retransmits that signal to extend usable range.

Applicable Grant Programs:

Amtrak , BZPP , CCP , EMPG , EOC , IBSGP , IECGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , TSGP , UASI

Grant Notes:

This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.

Grant funds may be used to cover only those services provided during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.

Applicable Core Capabilities:

Environmental Response/Health and Safety , Intelligence and Information Sharing , Interdiction and Disruption , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Public Health and Medical Services , Public and Private Services and Resources , Screening , Search , and Detection , Supply Chain Integrity and Security

Grant funds may be used to cover only those services provided during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.

Applicable Core Capabilities:

Community Resilience , Critical Transportation , Economic Recovery , Environmental Response/Health and Safety , Fatality Management Services , Infrastructure Systems , Intelligence and Information Sharing , Interdiction and Disruption , Mass Care Services , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Physical Protective Measures , Planning , Public Health and Medical Services , Public Information and Warning , Public and Private Services and Resources , Risk Management for Protection Programs and Activities , Screening , Search , and Detection , Supply Chain Integrity and Security

(06CC-02) Data & Messaging

06CC-02-2WAY Device, Messaging, 2-Way Text

Description:

Text messaging device with 2-way capability.

Applicable Grant Programs:

Amtrak , BZPP , CCP , EMPG , EOC , IBSGP , IECGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , TSGP , UASI

Grant Notes:

This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.

Grant funds may be used to cover only those services provided during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.

Applicable Core Capabilities:

Environmental Response/Health and Safety , Intelligence and Information Sharing , Interdiction and Disruption , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Physical Protective Measures , Public and Private Services and Resources , Supply Chain Integrity and Security

06CC-02-DSAD Device, Data Service Access

Description:

PCMCIA card, serial device, or USB device for access to on-line data services.

Applicable Grant Programs:

Amtrak , BZPP , CCP , EMPG , EOC , IBSGP , IECGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , TSGP , UASI

Grant Notes:

This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.

Applicable Core Capabilities:

Intelligence and Information Sharing , Interdiction and Disruption , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Physical Protective Measures , Public Health and Medical Services , Public and Private Services and Resources

06CC-02-PAGE Services/Systems, Paging

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Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

06CP-01-VOTR Receivers, Voter

Description:	A device that evaluates the comparative strength and signal/noise ratio from multiple receivers on the same frequency, selects the "best" signal and retransmits.
Applicable Grant Programs:	Amtrak, BZPP, EMPG, EOC, IBSGP, IECGP, LETPA-SHSP, LETPA-UASI, MMRS, OPSG, PSGP, PSIC, SHSP, THSGP, TSGP, UASI
Grant Notes:	This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made. Grant funds may be used to cover only those services provided during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.
Applicable Core Capabilities:	Environmental Response/Health and Safety, Intelligence and Information Sharing, Interdiction and Disruption, Mass Search and Rescue Operations, On-scene Security and Protection, Operational Communications, Operational Coordination, Public Health and Medical Services, Public and Private Services and Resources, Screening, Search, and Detection, Supply Chain Integrity and Security

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

(06CP-02) Bridging/Patching/Gateway Equipment

06CP-02-BRDG Equipment, Bridging/Patching/Gateway

Description:	Includes a wide range of equipment and software utilized to connect disparate communications networks. Systems range from cords that can patch two radios to interface boxes that can link dozens of radios, phones, computers, etc. in multiple sessions.
Applicable Grant Programs:	Amtrak, BZPP, EMPG, EOC, IBSGP, IECGP, LETPA-SHSP, LETPA-UASI, MMRS, OPSG, PSGP, PSIC, SHSP, THSGP, TSGP, UASI
Grant Notes:	This section includes equipment and systems that provide connectivity and electrical interoperability between local and interagency organizations to coordinate CBRNE response operations. When utilizing FEMA program funds in the category of Interoperable Communications Equipment to build, upgrade, enhance, or replace communications systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made. Grant funds may be used to cover only those services provided during the grant project period. Grantees are reminded that supplanting of previously planned or budgeted activities is strictly prohibited. Grantees should coordinate with their assigned FEMA preparedness officer to determine the appropriate allowable cost category for these purchases.
Applicable Core Capabilities:	Interdiction and Disruption, Mass Search and Rescue Operations, On-scene Security and Protection, Operational Communications, Operational Coordination, Public and Private Services and Resources

Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us.

Activities , Screening , Search , and Detection , Supply Chain
Integrity and Security

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

(04AP-09) Notification and Warning Systems

04AP-09-ALRT Systems, Public Notification and Warning

<i>Description:</i>	Systems used to alert the public of protective actions or to provide warning to the public in the event of an incident, such as sirens, the Emergency Alert System (EAS), and the Integrated Public Alert and Warning System (IPAWS).
<i>Applicable Grant Programs:</i>	BZPP , EMPG , EOC , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , SHSP , THSGP , UASI
<i>Grant Notes:</i>	Fees related to telecommunications services to support the system are the responsibility of the jurisdiction and are not allowable under this item. When utilizing FEMA program funds to build, upgrade, enhance, or replace communications and information systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made.
<i>Applicable Core Capabilities:</i>	Community Resilience , Critical Transportation , On-scene Security and Protection , Operational Communications , Public Information and Warning

Certain products in this category have been identified as requiring an Environmental and Historic Preservation (EHP) review. This does not apply to mobile and portable equipment, however all other items must be submitted for review. Please contact your assigned GPD Program Analyst or the Centralized Scheduling and Information Desk (CSID) at 1-800-368-6498 for further information.

(04HW) Hardware

(04HW-01) Computers

04HW-01-HHCD Computing Device, Handheld

<i>Description:</i>	Handheld and "ultraportable" computing devices with connectivity. Includes a variety of platforms such as smart phones, netbooks, tablets, and pad devices.
<i>Applicable Grant Programs:</i>	BZPP , CCP , EMPG , EOC , IBSGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , UASI
<i>Grant Notes:</i>	
<i>Applicable Core Capabilities:</i>	Community Resilience , Critical Transportation , Economic Recovery , Environmental Response/Health and Safety , Fatality Management Services , Infrastructure Systems , Intelligence and Information Sharing , Interdiction and Disruption , Mass Care Services , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Physical Protective Measures , Planning , Public Health and Medical Services , Public Information and Warning , Public and Private Services and Resources , Risk Management for Protection Programs and Activities , Screening , Search , and Detection , Supply Chain Integrity and Security

04HW-01-INHW Hardware, Computer, Integrated

<i>Description:</i>	Computer hardware and operating system software designated for use in an integrated system allowable under the indicated grant programs. Such systems include detection, communication, cybersecurity, logistical support and Geospatial Information Systems. This item may include networking hardware (routers, wireless access points, etc.), servers, workstations, notebook computers, and peripherals such as printers and plotters procured with an allowable system and necessary for its implementation.
<i>Applicable Grant Programs:</i>	BZPP , CCP , DLSP , EMPG , EOC , IBSGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , UASI
<i>Grant Notes:</i>	Only hardware procured as part of a system allowable under the indicated grant programs is allowable under this item.

Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us.

**FFY2018 State Homeland Security Program
Grant Application**

Agency Name*: Laramie County Emergency Management

Project Title*: Project 2 – Priority 2

Laramie County Water Tower Redundant Path

Dollar Amount Requested*: \$172,500

FFY2018 State Homeland Security Program Grant Application

Applicant Information

Agency Name*: Laramie County Emergency Management
Emergency Management

Type of Jurisdiction*: County

If other, please describe: [Click here to enter text.](#)

Legal Jurisdiction Name (if different): Laramie County

Mailing Address*: 3962 Archer Parkway
Cheyenne, WY 82001

DUNS Number*: 197732709

*If your agency does not have a DUNS number, one can be obtained here: <http://fedgov.dnb.com/webform>

Agency Point of Contact (to contact in regards to this application) *: Jeanine West
Telephone Number: 307-633-4333
Email Address: jwest@laramiecounty.com

Alternate Agency Point of Contact (to contact in regards to this application): Matt Butler
Telephone Number: 307-633-4335
Email Address: mbutler@laramiecounty.com

Alternate Agency Point of Contact (to contact in regards to this application): Sandra Newland
Telephone Number: 307-633-4201
Email Address: snewland@laramiecounty.com

Total Dollar Amount Requested: **\$172,500**

In the event, this grant program requires a match (determined by Congress), can your agency support up to a 25% match component?

☒ Yes

☐ No

Please explain: Match would have to be authorized and approved by the County Commissioners under the County's operating budget.

FFY2018 State Homeland Security Program Grant Application

Project Description

Provide a detail description of the project. The description must include the scope of the project, how it supports the investment justification and desired outcomes. Be specific. (Use additional sheets if necessary)

Laramie County Water Tower Redundant Path Project

The Laramie County Information Technology Department (I.T.) currently provides support for several major public safety and critical infrastructure agencies in Laramie County including the Laramie County Combined Communications Center (LCCCC), Cheyenne Police Department (CPD), Laramie County Sheriff's Office (LCSO), Laramie County Coroner, Cheyenne - Laramie County Health Department, Laramie County Emergency Management, Laramie County Public Works, and Cheyenne/Laramie County GIS Cooperative. I.T. also provides a secondary level of support or service to several additional public safety and critical infrastructure agencies including American Medical Response (AMR), City of Cheyenne, Cheyenne Board of Public Utilities (BOPU), Cheyenne Fire and Rescue (CFR), and all of the Laramie County Fire Districts and ambulance services. This includes providing communications (911, phones, radios to include VHF and 800MHz, and mobile command), Computer Aided Dispatch (CAD), police mobile data terminals, records/jail management software, mapping (GIS), and all other technology needs.

Due to the crucial nature of the services we provide, uptime is of vital importance. I.T. is constantly expanding their capabilities to assure that no matter the event they will be able to deliver services with minimal or no degradation. As a result, I.T. has taken necessary steps to eliminate as many failure points as possible. This project will eradicate a weakness the county currently has at the Archer water tower by fully connecting it into the Archer fiber ring.

The Archer water tower houses the county's WyoLink/800MHz site, as well as, dispatch's primary microwave link back to the WyoLink core at WYDOT. There is currently a fiber connection between dispatch downtown and the water tower at Archer, allowing connectivity to the WyoLink core. Unfortunately, only a single fiber path runs between the Archer fiber ring and the water tower. The single fiber path leads to a high downtime risk, due to the possibility of fiber being cut or equipment maintenance/failure. If communication is lost between the dispatch center and the WyoLink core, they are forced to run in a severely degraded state. A lost connection can cause all of the dispatch consoles to go into local mode. Local mode means if any first responder hits their emergency button, dispatch will be unable to receive it, and they cannot send call alerts to fire stations. They are also unable to access talk groups directly, and are forced to use their backup radios which are programmed with limited talk groups, impacting both responder safety and the effectiveness of dispatch operations.

To help drastically reduce the risk of outages, this request will add a redundant, separate fiber path from the Archer water tower to the fiber ring, allowing connectivity to the backup dispatch center and Archer server room. The additional fiber path will result in a decreased risk of interruptions/outages for Laramie County.

FFY2018 State Homeland Security Program Grant Application

Project Information

Project Title*: Project2 – Priority 2 Laramie County Water Tower Redundant Path

Project Location: Laramie County

Start Date: 10/1/18

End Date: 1/1/20

Primary Mission Area*: **Protection**

Additional information regarding these Mission Areas can be found at: <http://www.fema.gov/mission-areas>

Core Capability:

The Core Capabilities are outlined in the National Preparedness Goal which can be found at: <http://www.fema.gov/pdf/prepared/npg.pdf>. Additional information regarding the Core Capabilities can be found by going to <http://www.fema.gov/core-capabilities>. The Crosswalk of Target Capabilities can be located at <http://www.fema.gov/pdf/prepared/crosswalk.pdf>

Primary: **Operational Communications**

Secondary: **Cybersecurity**

Tertiary/Third: **Physical Protective Measures**

Will this agency accept a partial award for this project?

☒ Yes

☐ No

Is any part of this proposed project a deployable asset? *(Identifies the availability and the utility of an asset to multiple jurisdictions, regions, and the Nation; provides information on mobility of assets in an area. An asset that is physically mobile and can be used anywhere in the United States and territories via Emergency Management Assistance Compacts (EMAC) or other mutual aid/assistance agreements)*

☐ Yes

☒ No

Please explain: Project cannot be deployed, it is part of Laramie County's infrastructure system.

Is any part of this proposed project a shareable asset? *(Identifies the asset's ability to augment and sustain a reinforced response within a region. An asset that can be utilized as a local, state, regional, or national capability, but is not physically deployable (i.e., fusion centers)*

☐ Yes

☒ No

Please explain: This project is specific to critical infrastructure systems within Cheyenne/Laramie County Government and public safety. At this time the current infrastructure

FFY2018 State Homeland Security Program Grant Application

within Laramie County is coordinated with the Laramie-Albany County Records & Communications (LARC) program; each county coordinates with each other as a backup through the 911 communication centers.

Explain this project's dual applicability to all-hazard events (manmade and natural hazards):

In the event of a large disaster, manmade or natural, communications between public safety agencies and the use of technology within our government is a vital asset to ensure continuity of governmental operations.

Does this project support a NIMS typed resource?

☒ Yes

☐ No

Please explain: Public safety agencies and emergency planning within Cheyenne and Laramie County supports NIMS and the National Response Framework.

Does this project support a previously awarded investment?

☐ Yes

☒ No

If yes, what previous year, investment name and last completed milestone?

Milestones

The grantee should submit at minimum of three (3) milestones for all projects. Milestones should represent a logical progression of the project to allow for realistic monitoring and management of grant funding. This attribute will function as a tool for measuring project progress in future reporting periods. Provide a high level narrative description of activities to occur within each milestone including anticipated milestone dates/timeframes.

1. Upon grant award we will finalize specifications, to assure effective cost, and planning for future proofing solutions and capabilities. Estimated timeline to complete activity is December 31, 2018.
2. During the timeframe of January 1, 2019-March 31, 2019 a public bidding process will occur, with the county entering into an agreement with the selected vendor.
3. Our next milestone will be the installation of the fiber path. Once the vendor finishes the installation, the county's fiber technician will handle all of the terminations to the county's internal specification. The fiber will then be patched in and the county network team will assure that the failover procedures are in place and automated. This milestone is estimated to take place beginning April 2019-December 31, 2019.
4. Grant closeout to occur in December 2019.

**FFY2018 State Homeland Security Program
Grant Application**

FFY2018 State Homeland Security Program Grant Application

Application Checklist

Required:

- ☒ Complete FFY 2018 State Homeland Security Program Grant Application
- ☒ NIMS Adoption Resolution
- ☒ THIRA/CPR Certification

If applicable:

- ☒ Communications maintenance and sustainment plan
- ☒ Training and Exercise Plan
- ☒ Any applicable supporting documentation (maps, product specifications, quotes, etc.)

Submit completed applications in PDF format electronically to:

Program Manager Rachel Nuss

rachel.nuss2@wyo.gov

307-777-5768



Laramie County Combined Communications Center
Glen O. Crumpton, Director
415 W 18th Street • Cheyenne, WY • 82001 • 307-637-6525

March 8, 2018

Rachel Nuss
State Homeland Security Grant Program

I work closely with both the Laramie County Information Technology Department and Laramie County Emergency Management as the Assistant Director of the Laramie County Combined Communications Center and as a Communications Unit Leader in Laramie County. As such, I am excited to learn that IT and EMA have worked together to apply for an SHSP grant for our long-discussed and greatly anticipated redundant fiber path between our 800MHz radio site at the Laramie County water tower and the existing fiber ring located within the Archer complex.

The Laramie County Combined Communications Center has long been a proponent of interoperable communications. In 2012, our Center placed an initiative on the Laramie County Special Purpose Optional Tax ballot that received voter approval for money to be allocated to improving both our 9-1-1 call handling systems and radio systems.

Within the scope of the radio systems, we expanded our existing 800MHz site at Fox Farm Road from 5 to 7 channels and simultaneously added a new 7-channel 800MHz site at the Archer complex. Working with WyoLink, we integrated our newly expanded 800MHz system with WyoLink, effectively expanding the communications capabilities in Laramie County from just county-wide VHF, to also include 800MHz in a wider coverage area than previously existed.

That 800MHz system is now in use not only by Cheyenne and Laramie County agencies that currently have 800MHz capabilities, but also by numerous agencies from outside Laramie County.

We are now in the process of using the remaining 2012 SPOT funds to build two more 800MHz sites farther east in Laramie County at "Antelope" and in Burns. These sites will be integrated with WyoLink just as the 2 existing sites have been. Also a part of this project, we were able to negotiate the addition of 40 dual-band VHF\800 APX portable radios which will be issued to the Fire Districts in the new coverage areas provided by our system expansion. In some cases, this expansion will be bringing radio service to areas where VHF coverage has historically been poor-to-nonexistent.

As indicated in the grant application, while we have built in as much redundancy where we can in both of the 800MHz expansion projects, we have identified the need for a redundant fiber path at the Archer complex to avoid a potentially severe degradation of service to all users of the 800MHz system should the primary fiber path be compromised in any way.



Laramie County Combined Communications Center

Glen O. Crumpton, Director

415 W 18th Street • Cheyenne, WY • 82001 • 307-637-6525

Redundancy being critical in all aspects of public safety, especially in communications, it is my opinion that providing more than one path or method of communications is imperative. Providing redundant connectivity within those methods of communications then becomes paramount.

Support of this project benefits all users of this radio system and has my enthusiastic endorsement as well as that of the Laramie County Combined Communications Center. I look forward to the award of the grant to this project as well as to working with all agencies concerned to achieve the projected completion date in December of 2019.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "C. Trimble", is written over the printed name.

Charles S. Trimble

Assistant Director

307-637-6593

trimblec@laramiecounty.com

<i>Applicable Grant Programs:</i>	Amtrak , BZPP , IBSGP , LETPA-SHSP , LETPA-UASI , OPSG , PSGP , PSIC , SHSP , THSGP , TSGP , UASI
<i>Grant Notes:</i>	Fees related to telecommunications services to support the system are the responsibility of the jurisdiction and are not allowable under this item.
<i>Applicable Core Capabilities:</i>	When utilizing FEMA program funds to build, upgrade, enhance, or replace communications and information systems, grantees and sub-grantees should develop a comprehensive interoperable communications plan before procurement decisions are made. Community Resilience , Critical Transportation , Environmental Response/Health and Safety , Infrastructure Systems , Intelligence and Information Sharing , Interdiction and Disruption , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Physical Protective Measures , Public Health and Medical Services , Public Information and Warning , Public and Private Services and Resources , Supply Chain Integrity and Security

13IT-00-DACQ Data Acquisition

<i>Description:</i>	Software for data collection and information / intelligence gathering, including data mining and search tools that support inferential analysis, including trend analysis.
<i>Applicable Grant Programs:</i>	Amtrak , BZPP , IBSGP , LETPA-SHSP , LETPA-UASI , OPSG , PSGP , SHSP , THSGP , TSGP , UASI
<i>Grant Notes:</i>	
<i>Applicable Core Capabilities:</i>	Community Resilience , Environmental Response/Health and Safety , Infrastructure Systems , Intelligence and Information Sharing , Interdiction and Disruption , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Communications , Operational Coordination , Physical Protective Measures , Planning , Public Health and Medical Services , Public and Private Services and Resources , Risk Management for Protection Programs and Activities , Screening , Search , and Detection , Supply Chain Integrity and Security

13IT-00-DEXC Data Exchange and Interoperability

<i>Description:</i>	System or software designed to facilitate the exchange and interoperability of data on extramural or legacy systems such as databases, dispatch systems, records management systems, and other systems containing data useful in terrorism incident prevention.
<i>Applicable Grant Programs:</i>	Amtrak , IBSGP , LETPA-SHSP , LETPA-UASI , OPSG , PSGP , SHSP , THSGP , TSGP , UASI
<i>Grant Notes:</i>	
<i>Applicable Core Capabilities:</i>	Community Resilience , Economic Recovery , Environmental Response/Health and Safety , Infrastructure Systems , Intelligence and Information Sharing , Interdiction and Disruption , Mass Search and Rescue Operations , On-scene Security and Protection , Operational Coordination , Physical Protective Measures , Planning , Public Health and Medical Services , Public and Private Services and Resources , Risk Management for Protection Programs and Activities

13IT-00-DFSN Data Fusion/Synthesis

<i>Description:</i>	Software, system or suite for accepting disparate inputs and producing organized information. May use multiple sensor inputs to develop a situational picture, and/or multiple inputs from different intelligence sources to create a correlated set of accessible data.
<i>Applicable Grant Programs:</i>	Amtrak , BZPP , IBSGP , LETPA-SHSP , LETPA-UASI , OPSG , PSGP , SHSP , THSGP , TSGP , UASI
<i>Grant Notes:</i>	

Interactive versions of this list, including an integrated AEL/SEL display are available on-line at www.rkb.us.

Sandra Newland

From: Dominic Davis
Sent: Thursday, March 22, 2018 9:57 AM
To: Jennifer E. Davis; Sandra Newland
Cc: Rick Fortney; Rusty Tyler; Brad Alexander; Jeanine West
Subject: Fiber Project for Archer
Attachments: Archer Complex Bid.pdf

Importance: High

All,

First let me start by apologizing for the delays in this, I really appreciate everyone's efforts and patience. Here are the updated 2018 numbers for this project there has been a slight increase in cost. I've attached the quote from JCB as well so you can add that. We figured in a 20% contingency as the price of fiber can be very market dependent as well as to account for an unforeseen construction cost. Please let me know if you have any questions and once again I apologize for the mess this became and appreciate everyone's patience while we worked through getting this put together.

	Preferred Path		Minimal Path
JCB Quote	132610		53255
Estimated cost of Survey	11000		8000
Total Cost	143610		61255
Total Cost plus 20% for market fluctuation and unforeseen construction cost	172500		75000

Thanks!!

Dominic Davis
Public Safety Administrator
Laramie County Information Technology Department
p.307.633.4281



JCB Underground LLC

ARCHER BID PROPOSAL

LONG RUN – 13,600' TRENCH & 15,100' FIBER

21 (30x48x36) FIBERGLASS HANDHOLES	\$1,550.00 EA	\$32,550.00
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- INCLUDES SHIPPING, HANDLING, & INSTALLATION

72CT. FIBER 15,100'	\$1.50 PER FT	\$22,650.00
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21 FIBER MARKER POSTS	\$25.00 EA	\$ 525.00
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WARNING TAPE	\$0.05 PER FT	\$ 680.00
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2" CONDUIT	\$0.50 PER FT	\$ 6,800.00
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TRACER LINE	\$.020 PER FT	\$ 2,732.60
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TRENCH	\$4.25 PER FT	\$57,800.00
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ADDITIONAL MULE LINE	\$0.15 PER FT	\$ 2,040.00
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FIBER PLUGS	\$1.50 EA	\$ 31.50
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TOTAL MATERIAL & JOB COSTS	\$125,808.50	
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ADDITIONAL FUTURE PATH 2" CONDUIT PLACED		\$ 6,800.00
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-(NOT ADDED INTO TOTAL COST)



JCB Underground LLC

ARCHER BID PROPOSAL

SHORT RUN 4,800' TRENCH & 9,000' FIBER

8 (30x48x36) FIBERGLASS HANDHOLES	\$1,550.00 EA	\$12,400.00
- INCLUDES SHIPPING, HANDLING, & INSTALLATION		
72CT. FIBER 9,000'	\$1.50 PER FT	\$13,500.00
8 FIBER MARKER POSTS	\$25.00 EA	\$ 200.00
WARNING TAPE	\$0.05 PER FT	\$ 240.00
2" CONDUIT	\$0.50 PER FT	\$ 2,400.00
TRACER LINE	\$0.020 PER FT	\$ 969.60
TRENCH	\$4.25 PER FT	\$20,400.00
ADDITIONAL MULE LINE	\$0.15 PER FT	\$ 720.00
FIBER PLUGS	\$1.50 EA	\$ 24.00
TOTAL MATERIAL & JOB COSTS	\$50,853.60	
ADDITIONAL FUTURE PATH 2" CONDUIT PLACED		\$ 2,400.00
-(NOT ADDED INTO TOTAL COST)		

RESOLUTION NO. 180320-112

**A RESOLUTION ADOPTING THE NATIONAL INCIDENT
MANAGEMENT SYSTEM (NIMS), ON BEHALF OF THE
GOVERNING BODY OF LARAMIE COUNTY, WYOMING**

WITNESSETH

WHEREAS, the President in Homeland Security Directive (HSPD)-5, directed the Secretary of the Department of Homeland Security to develop and administer a National Incident Management System (NIMS); which would provide a consistent nationwide approach for Federal, State, and local governments to work together more effectively and efficiently to prevent, prepare for, respond to and recover from domestic incidents, regardless of cause, size or complexity;

WHEREAS, the collective input and guidance from all Federal, State, and local homeland security partners has been, and will continue to be, vital to the development, effective implementation and utilization of a comprehensive NIMS;

WHEREAS, it is necessary and desirable that all Federal, State, and local emergency agencies and personnel coordinate their efforts to effectively and efficiently provide the highest levels of incident management;

WHEREAS, to facilitate the most efficient and effective incident management it is critical that Federal, State, and local organizations utilize standardized terminology, standardized organizational structures, interoperable communications, consolidated action plans, unified command structures, uniform personnel qualification standards, uniform standards for planning, training, and exercising, comprehensive resource management, and designated incident facilities during emergencies or disasters;

WHEREAS, the NIMS standardized procedures for managing personnel, communications, facilities and resources will improve the county's ability to utilize federal funding to enhance local agency readiness, maintain first responder safety, and streamline incident management processes,

WHEREAS, the Incident Command System components of NIMS are already an integral part of various city/county incident management activities, including current emergency management training programs; and

WHEREAS, the National Commission on Terrorist Attacks (9-11 Commission) recommended adoption of a standardized Incident Command System.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF LARAMIE COUNTY that the National Incident Management System (NIMS) is established as the County standard for incident management; and

BE IT FURTHER RESOLVED, that Jeanine West, or her successor in the position of Director of EMA, is appointed as agent of the Laramie County Board of Commissioners to execute and submit items and certifications for NIMS compliance.

PASSED, APPROVED AND ADOPTED THIS 20th DAY OF MARCH, 2018.

By: K.N. Buck Holmes
K.N. Buck Holmes, Chairman

ATTEST:

Debra K. Lee
Debra Lee, Laramie County Clerk

3-21-18
Date

Received and Approved as to Form:

Mark Voss, County Attorney

3/8/18
Date

*c. z m a
attorney*

COPY OF RECORD



**CHEYENNE / LARAMIE COUNTY
EMERGENCY MANAGEMENT AGENCY**
Emergency Management • Fire Warden
Jeanine West, Director
Matthew Butler, Operations/Fire Warden



March 8, 2018

Wyoming Office of Homeland Security

Reference: Laramie County Emergency Management Agency SHSGP 2018 Application for Warning & Interoperable Communications and Laramie County Water Tower Redundant Path

Emergency Warnings and Interoperable Communications

Laramie County Emergency Management utilizes grant funding to help local first responding agencies purchase communications equipment and holds a small cache to assist our local partners in emergencies and special events. This equipment includes P25 radios, Amateur radios, mobile radios, pagers and accessories for these items.

Equipment purchased and provided to responding agencies is conducted through a written agreement between Laramie County and the receiving agency. The agreement makes the receiving agency responsible for all maintenance, upgrades, programming and sustainment of the equipment. Equipment is tracked for the required five years from the close out of the grant term. Each receiving agency is required by agreement to track and report all equipment received under grant programs on an annual basis. Laramie County EMA in partnership with the Grants Department keeps a Homeland Security equipment inventory sheet per grant award.

Maintenance Plan-Emergency Management Maintenance

All communications equipment, including P25 radios, amateur radio equipment, mobile radios, pagers and accessories will be inspected and maintained on an annual basis. Radios, antennas and any other components of the equipment needing replacement will be done during these annual inspections. Emergency Management maintains a budget line to complete the necessary maintenance.

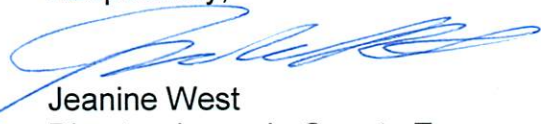
Receiving Agencies

Through the agreement between Laramie County and the receiving agency, they are responsible for all maintenance and upkeep of any equipment they receive to include the replacement of items that are lost, stolen, or broken.

Sustainment

Laramie County will support any equipment (technical or mechanical), for the life of the equipment as long as it is supported by the manufacturer and serviceable by a qualified technician. If equipment becomes un-sustainable it will be removed from service.

Respectfully,




Jeanine West
Director, Laramie County Emergency Management

THIRA / CPR Participation Certification

I certify the following by my signature, under penalty of false swearing pursuant to W.S. 6-5-303:

The Jurisdiction/RERT participated actively in a community Threat and Hazard Identification Risk Assessment (THIRA) and Community Preparedness Report (CPR) for the 2017 submission.

Jurisdiction / RERT # Laramie County EMA
Printed Name H. Rob Cleveland
Signature 

Laramie County EMA

Multi-year Training and Exercise Plan
January 2018 – December 2019

PREFACE

The Cheyenne / Laramie County Emergency Management Multi-Year Training and Exercise Plan (TEP) is designed to coordinate and aid in community training and exercise programs for first responders within our jurisdiction. The plan will cover both emergency support functions and incorporate the core capabilities needed to address and complete our threat and hazard identification risk assessment (THIRA).

The TEP will cover the 2018 and 2019 calendar year and will coordinate with other local training and exercise calendars as closely as we can. Variations in schedules may occur and adjustments may have to be made to coordinate proper training and exercise compliance. The Cheyenne / Laramie County Emergency Management Agency will administer the TEP for all agencies within Laramie County and update the Wyoming Office of Homeland Security accordingly. All first responding agencies within Laramie County are encouraged to participate with the TEP to ensure interoperability.

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TEP Participating Agencies

Laramie County Sheriff's Department

Cheyenne Police Department

Cheyenne Fire & Rescue

Laramie County Coroner's Office

Laramie County Fire Districts

Cheyenne-Laramie County Health Department

Regional Emergency Response Team 7

PURPOSE

The purpose of the Multi-year Training and Exercise Plan (TEP) is to document Laramie County's overall training and exercise program priorities for the 2018 and 2019 calendar years. It is considered to be a living document that can be updated and refined as needed. These priorities are linked to corresponding core capabilities, and, if applicable, a rationale based on existing strategic guidance, threat assessments, corrective actions from previous exercises, or other factors. This Multi-year TEP identifies the training and exercises that will help Laramie County build and sustain the core capabilities needed to address its training and exercise program priorities.

The 2018/2019 TEP lays out a combination of progressively building exercises – along with the associated training requirements. A progressive, 2018/2019 exercise program enables Laramie County and first responding organizations within to participate in a series of increasingly complex exercises, with each successive exercise building upon the previous one until mastery is achieved. Further, by including training requirements in the planning process, Laramie County can address known shortfalls prior to exercising capabilities.

The 2018/2019 TEP may also serve as a follow-on companion document to the State of Wyoming Multi-Year Training and Exercise Plan and in compliance with the Emergency Management Program Grant and the State Homeland Security Grant Program. This will provide a roadmap for Laramie County to follow in accomplishing the priorities described therein.

Included in this 2018/2019 TEP is a training and exercise schedule, which provides a graphic illustration of the proposed activities.

PROGRAM PRIORITIES

Laramie County's training and exercise program is prioritized by the needs of the emergency services community including the 15 emergency support functions and based off of the needs identified in the THIRA process. Each priority will align and identify the appropriate core capabilities to ensure all areas of the National Planning Systems key principals are met.

1. Incident Command and Operational Coordination
2. CBRNE and Hazardous Materials Identification
3. Communications and Interoperability

Incident Command and Operational Coordination

Incident Command (ICS) is mandated by Homeland Security Presidential Directive and is solely recognized as the national standard for incident command. By using ICS we can obtain operational coordination between all emergency support functions regardless of jurisdiction.

Corresponding Core Capabilities:

- Operational Coordination
- Intelligence and Information Sharing
- Public Information and Warning
- Operational Communications
- Situational Assessment

Rationale:

- As ICS and operational coordination is viewed as the standard for emergency response, ongoing training and exercise is a required part of response and coordination among agencies. Training should encompass review for previously trained personnel as well as new key personnel without previous training. Exercise will ensure training is applied to support operational coordination.

Supporting Training Courses and Exercises:

Training

- ICS 100, 200 for all new personnel
- ICS 300 & 400 for company officer or leadership personnel
- Radio Communications Training
- Active Shooter Response Training
- Critical Infrastructure Protection

- Threat & Hazard Identification Training
- Search & Rescue
- PRND Training
- Leadership

Exercises

- Fire Department Coordination Exercises (7)
- Pipeline TTX (2)
- Airport TTX
- CERT Full Scale
- Active Shooter FX for County Employees
- Frontier Days Communications Exercise
- Superday Communications Exercise
- Hospital Mass Casualty TTX
- HazMat TTX
- CST EXEVAL Full Scale

CBRNE and Hazardous Materials Identification

Hazardous materials are identified by our THIRA as our leading threat to Laramie County. Combined with the threat of a CBRNE incident makes this our leading priority for our training and exercise program. Critical protection of our infrastructures including SCADA systems make our infrastructure vulnerable to cyber-attack and tampering.

Corresponding Core Capabilities:

- Planning
- Public Information and Warning
- Screening, Search and Detection
- Operational Coordination
- Long-Term Vulnerability Reduction
- Interdiction and Disruption
- Supply Chain Integrity and Security
- Intelligence and Information Sharing
- Threats and Hazard Identification

- Environmental Response / Health and Safety
- Infrastructure Systems
- Cybersecurity

Rationale:

- Laramie County has multiple hazardous material threats. Including both transport and fixed facilities. Wyoming is one of the biggest providers of natural resources in the United States. Protection of these hazardous materials and infrastructure and response to any incident involving hazardous materials is a serious matter to our responders.

Supporting Training Courses and Exercises:

Training

- ICS 100, 200 for all new personnel
- ICS 300 & 400 for company officer or leadership personnel
- Radio Communications Training
- Active Shooter Response Training
- Critical Infrastructure Protection
- Threat & Hazard Identification Training
- Search & Rescue
- PRND Training
- Leadership

Exercises

- Fire Department Coordination Exercises (7)
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- HazMat TTX
- CST EXEVAL Full Scale

Communications and Interoperability

Responses to large scale emergencies by multiple agencies require communication skills and equipment to provide interoperability among agencies. Use of ICS 205 and other ICS forms makes this task an important part of our response capabilities.

Corresponding Core Capabilities:

- Planning
- Public Information and Warning
- Operational Coordination
- Interdiction and Disruption
- Supply Chain Integrity and Security
- Intelligence and Information Sharing
- Threats and Hazard Identification
- Cybersecurity
- Operational Communications

Rationale:

- Laramie County uses multiple radio systems within its emergency service agencies. Interoperability is a key component of successful responses along with coordination of the systems. Use of ICS forms and communications protocols are a necessary in order to have successful interoperability.

Supporting Training Courses and Exercises:

Training

- ICS 100, 200 for all new personnel
- ICS 300 & 400 for company officer or leadership personnel
- Radio Communications Training
- Active Shooter Response Training
- Critical Infrastructure Protection
- Threat & Hazard Identification Training
- Search & Rescue
- PRND Training
- Leadership

Exercises

- Fire Department Coordination Exercises (7)
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- HazMat TTX
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METHODOLOGY AND TRACKING

Participating agencies will work with Emergency Management and its training program to identify, schedule and track training goals identified in this TEP.

Exercise will be coordinated with emphasis on the needs of the agencies involved. Exercises will have a terrorism component whenever possible. After action reports (AAR) and improvement plans (IP) will be submitted in the HSEEP format and reported to the Wyoming Office of Homeland Security.

The tracking and improvement plans should:

- Challenge participants with increasingly advanced coursework and scenarios;
- Incorporate, reinforce, and verify lessons learned;
- Identify demonstrated capabilities and areas in need of improvement;
- Provide a means of evaluation and corrective action for exercises; and
- Ensure a method to share lessons learned and best practices from training courses and exercises.

MULTI-YEAR TRAINING AND EXERCISE SCHEDULE

[The following instructions are provided to guide you in filling in the schedule template. The template can be modified to meet the requirements of the organization. The guidelines in this section will assist you in entering the appropriate information into the template.

- Enter the appropriate year in which the training course and/or exercise will be conducted followed by a designation, in parentheses, of which year it is in the Multi-year TEP on the schedule cycle at the top of the page. For example, if your organization is constructing the schedule from 2013 through 2015 and you are working on 2013, write “2013 (Year One)”.
- Enter all the participating whole community stakeholders on the left side of the schedule.
- The schedule is broken into quarters and months. For each organization, enter the appropriate quarter and month of the training course and/or exercise conduct. If an exact date is not yet determined, enter the information into the appropriate year or quarter.
- Write and color-code cells based on the program priority of each training course and exercise so that users can easily understand what training course or exercise is being conducted to address what priority.
- Remember to consider the cycle, mix, and range of training and exercises.

Laramie County Multi-year Training and Exercise Schedule 2018

Organization	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Emergency Management	ICS 400	Pipeline TTX, Leadership, Critical Infrastructure		Weather Spotters Hosp-Mass Casualty	Search & Rescue	Superday FX	CFD FX	THIRA	ESF Training	Response Coordination TTX	ICS Training	
Cheyenne Fire & Rescue / RERT 7	ICS 400	Pipeline TTX, Critical Infrastructure			Search & Rescue	Superday FX	CFD FX	THIRA	ESF Training	Response Coordination TTX	ICS Training	
Law Enforcement	ICS 400	Pipeline TTX, Critical Infrastructure		Weather Spotters	Search & Rescue	Superday FX	CFD FX	THIRA	ESF Training	Response Coordination TTX Active Shooter TNG for County Employees	ICS Training	
Communications	ICS 400	Pipeline TTX, Critical Infrastructure		Weather Spotters	Search & Rescue	Superday FX	CFD FX	THIRA	ESF Training	Response Coordination TTX	ICS Training	
County Health	ICS 400	Pipeline TTX, Critical Infrastructure		Hosp-Mass Casualty	Search & Rescue	Superday FX	CFD FX	THIRA	ESF Training	Response Coordination TTX	ICS Training	

Multi-year Training
and Exercise Plan (TEP)

Laramie County Emergency Management

Organization	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Laramie County Fire Districts	ICS 400	Pipeline TTX, Leadership, Critical Infrastructure	Extrication Training	Weather Spotters	Search & Rescue Multi Dept. FX	Mutual Aid Training	CFD FX	THIRA Multi Dept. FX	ESF Training RIT Training	Response Coordination TTX Multi Dept. FX	ICS Training	
Volunteer Teams CERT / ARES/RACES	ICS 400			Weather Spotters	Search & Rescue	Superday FX	CFD FX	THIRA		Response Coordination TTX	ICS Training	
Private Industry	ICS 400	Pipeline TTX, Critical Infrastructure	Extrication Training	Weather Spotters Hosp-Mass Casualty	Search & Rescue		CFD FX	THIRA			ICS Training	
Elected Officials	ICS 400	Pipeline TTX, Critical Infrastructure					CFD FX	THIRA	ESF Training		ICS Training	
Coroner	ICS 400	Critical Infrastructure		Weather Spotters Hosp-Mass Casualty	Search & Rescue			THIRA			ICS Training	

Program Priorities Addressed:

Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	Priority 6
CFD FX	Pipeline TTX	Weather Spotters	ICS Training	ESF Training	
Superday FX	HazMat TTX		EOC for Senior		

Coordination TTX				Officials		
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Laramie County Multi-year Training and Exercise Schedule 2019

Organization	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Emergency Management		Pipeline TTX		Weather Spotters	Public Information Officer	Airport TTX Superday FX	CFD FX	THIRA TTX	Radio Comm			
Cheyenne Fire & Rescue / RERT 7		Pipeline TTX			Public Information Officer	Airport TTX Superday FX Cyanco Emergency Response TRNG	CFD FX	THIRA TTX				
Law Enforcement		Pipeline TTX		Weather Spotters	Public Information Officer	Airport TTX Superday FX	CFD FX	THIRA TTX		Active Shooter TNG for County Employees		
Communications		Pipeline TTX		Weather Spotters	Public Information Officer	Airport TTX Superday FX	CFD FX	THIRA TTX	Radio Comm			
County Health		Pipeline TTX		Weather Spotters	Public Information Officer	Airport TTX Superday FX	CFD FX	THIRA TTX	Radio Comm			

Multi-year Training
and Exercise Plan (TEP)

Laramie County Emergency Management

Organization	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Laramie County Fire Districts		Pipeline TTX Multi Dept. FX	Mutual Aid training with CO.	Weather Spotters	Public Information Officer Multi Dept. FX	Cyanco Emergency Response TRNG	CFD FX Multi Dept. FX	THIRA TTX		Multi Dept. FX		
Volunteer Teams CERT / ARES/RACES				Weather Spotters	Public Information Officer	Superday FX	CFD FX	THIRA TTX	Radio Comm			
Private Industry		Pipeline TTX		Weather Spotters	Public Information Officer	Cyanco Emergency Response TRNG	CFD FX	THIRA TTX				
Elected Officials		Pipeline TTX			Public Information Officer		CFD FX	THIRA TTX				
Coroner				Weather Spotters	Public Information Officer	Airport TTX		THIRA TTX				
Priority 1 CFD FX Superday FX CSTEVAL	Priority 2 Pipeline TTX Airport TTX		Priority 3 Weather Spotters THIRA TTX		Priority 4 ICS 300 & 400		Priority 5 Radio Comm		Priority 6 Public Information Officer			