RESOLUTION NO.

A RESOLUTION AUTHORIZING THE SUBMISSION OF A GRANT APPLICATION TO THE WYOMING OFFICE OF HOMELAND SECURITY FOR THE FFY 2020 STATE HOMELAND SECURITY GRANT PROGRAM (SHSP), ON BEHALF OF THE GOVERNING BODY OF LARAMIE COUNTY, WYOMING TO REQUEST FUNDING FOR THE INFORMATION TECHNOLOGY DEPARTMENT IN THE AMOUNT OF $261,000.00.

FOR THE PURPOSE OF: REQUESTED FUNDS WILL BE USED FOR THE PURCHASE OF CYBERSECURITY BACKUP STORAGE.

WITNESSETH

WHEREAS, the Wyoming Office of Homeland Security receives FFY 2020 SHSP funds from the Federal Emergency Management Agency and;

WHEREAS, the Wyoming Office of Homeland Security distributes a portion of these FFY 2020 SHSP funds to Wyoming Counties and;

WHEREAS, the Laramie County Board of Commissioners is eligible to apply for and receive FFY 2020 SHSP funds for the Information Technology Department 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 Information Technology Department; 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 for $261,000.00 be submitted to the Wyoming Office of Homeland Security for consideration of assistance in funding the Laramie County Information Technology Department under the FFY 2020 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 17TH DAY OF MARCH 2020.

By: _____   Date: _____

Gunnar Malm, Chairman

ATTEST:

_____   Date: _____

Debra Lee, Laramie County Clerk

Received and Approved as to Form only By:

_____   Date: _3/10/20_____

Mark Voss, County Attorney

FFY2020 State Homeland Security Program
Grant Application

Agency Name*: Laramie County, Wyoming

Project Title*: Cybersecurity Backup Storage

Dollar Amount Requested*: $261,000.00

FFY2020 State Homeland Security Program
Grant Application

Applicant Information

Agency Name*: Laramie County, IT   Type of Jurisdiction*: Other

If other, please describe: County, Information Technology

Legal Jurisdiction Name (if different): Laramie County, Wyoming

Mailing Address*:   310 W. 19th Street
                           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) *:
Telephone Number: 307-633-4201
Email Address: snewland@laramiecounty.com

Alternate Agency Point of Contact (to contact in regards to this application):
Telephone Number: 307-633-4281
Email Address: itd@laramiecounty.com

Will you accept partial funding?

☒ Yes

☐ No

Please explain: Partial funding would be accepted if it was enough to meet the goals of our County Cybersecurity needs. We have the ability to phase our purchase of the backup and a lesser amount would still be beneficial to Laramie County.

Project Description

Project Justification: Cybersecurity

Briefly describe the project and how it supports the investment justification.

> We are requesting funding to add additional backup storage resources to our existing environment for cybersecurity purposes. Data is everything and as it continues to grow, keeping up with backup storage demands is crucial to a cybersecurity plan. The increase in technology used by the Laramie County Sheriff's Department, Cheyenne Police Department, Laramie County Combined Communications Center, Cheyenne/Laramie County Health Department and Laramie County Emergency Management has created a need to enhance our backup solution to offer increased disaster recovery options and minimize potential critical system outages. The Laramie County Information Technology Department (IT) provides support for all of the major public safety and critical infrastructure agencies within Laramie County. Our project as proposed has the ability to save both time and money for Laramie County, while providing a secure network for all sensitive information. This project helps mitigate cybersecurity concerns to address gaps identified in the THIRA.

Describer threats and hazards that create the need.

> One of the County's main concerns is cybersecurity, the potential loss of data and the effects this could have on daily operations. As mentioned above, Laramie County houses several critical agencies to include law enforcement and public health. The information contained within the county is sensitive in nature and poses a security threat if that data was released or hacked. In the current day and age with ransomware, viruses, other malware, the always-present risk of hardware failure, maintaining current and reliable backups is a necessity of Laramie County. Enhancing our backup solution would allow for internal, segregated storage which would offer a layer of protection from ransomware/malware. This would also allow increase off-site cloud storage to help alleviate risk from natural/manmade disasters resulting in the loss of our datacenter, and allow for quicker recovery to our secondary datacenter or an offsite location.

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

> Our project addresses cybersecurity for all hazard events to include manmade and natural hazards. Laramie County utilizes backups as a last resort, but considers it an absolute requirement to provide appropriate security of critical data. Backups protect the county and its agencies from

viruses and malware by being able to delete the bad/corrupt file and restoring it to original. They protect from ransomware by allowing restoration of encrypted files/servers without having to pay the ransom. Backup systems protect the county from internal malicious activities by allowing the comparison of files and restoration of modified and or deleted files. When backups are uploaded to the cloud it protects them from natural or manmade disasters that can destroy local backups by allowing restoration from cloud providers. For our project the type of hazard does not matter to our cybersecurity plan, as the information is kept safe within the cloud and is not relying on a physical server.

Identify portions of the THIRA and SPR that the project will address.

Our cybersecurity project will protect and restore all communication systems to include information and services as outlined in the priority investment. The redundant backup in the cloud allows sensitive information to be secure from damage, unauthorized use and exploitation along with providing protection from all hazards. Having a recoverable and secure backup addresses many sections of the THIRA/SPR as several agencies use our systems (law enforcement & health). Several specific areas of the THIRA/SPR are addressed including; planning, public information and warning (outdoor warning siren controller is backed up), operational coordination, operational communications, health and social services, intelligence and information sharing, access control & identity verification, cybersecurity, and threats and hazards identification. The cybersecurity project ties into the mission area of providing protection for Laramie County's critical data.

How will this project increase capability or reduce vulnerabilities in protecting, preventing, responding, or recovering from an act of terrorism?

Our cybersecurity project will increase the amount of data we can securely back up. It also protects us from viruses and malware by being able to delete the bad/corrupt file and restore clean copies of a file. It protects us from ransomware by allowing us to restore encrypted files/servers without having to pay the ransom and protects county agencies from internal malicious activity by comparison of files and restoration of modified and or deleted files. Backups are uploaded to the cloud, and in turn they are protected from natural or man-made disasters that can destroy local backups by allowing restoration from cloud. By storing data within the cloud, we ensure a timely recovery from any act of terrorism or from a natural disaster.

Provide justification on how the project will be maintained, supported, and sustained.

> Our cybersecurity project will be supported, maintained and sustained by Laramie County if funded. Once purchased the annual maintenance of the backup will be included into the fiscal I.T. budget for on-going maintenance. Once implemented the project will save the county money and time and provide state of the art security for sensitive data created and stored within Laramie County agencies.

Core Capabilities

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: **Cybersecurity**

Secondary: **Intelligence and Information Sharing**

Tertiary/Third: **Infrastructure Systems**

Describe existing capability levels.

> Currently Laramie County IT is backing up 913.24 terabytes of data onto physical premises and uploading it to the cloud for safety. We are currently maxed out on our storage capacity and do not have the ability to add additional data into the current storage. This poses a challenge to Laramie County operations and maintenance of critical data. Additional cybersecurity storage is an integral part of our ability to maintain secure information and services for all county agencies.

Please provide an overview of the trainings, exercises, real events, or other needs assessments that have identified this as a gap (included the cause of the gap).

> The Laramie County IT Department participates in all area exercises, trainings, tabletops and planning activities with LCCC, the refinery, CFD and the state, as well as other county agencies. Through these trainings, we are recognizing how the need for backups has grown in demand. This is primarily due to data being stored electronically instead of in hard copy form. Laramie County IT is currently running out of data storage space and is in need of a larger backup capacity. Our requested cybersecurity project will alleviate this identified gap within Laramie County surrounding cybersecurity.

How will this project reduce capability gaps?

> Our cybersecurity project will significantly increase the amount of data we can back up and secure in the cloud, giving us an added layer of protection from ransomware/malware, and enhanced disaster recovery. The backup function will address the protection mission area of cybersecurity for all county operations.

Basic Project Information

Primary Mission Area*: Protection
Additional information regarding these Mission Areas can be found at: http://www.fema.gov/mission-areas

Does this investment focus on building new capabilities or sustaining existing?

 ☐Build
 ☒Sustain

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:

> The cybersecurity project does not have any physical components to be a deployable asset.

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:

> The cybersecurity components are unique to Laramie County data.

Does this project support a NIMS typed resource?

 ☐Yes
 ☒No

Please explain:

> Cybersecurity is not a NIMS typed resource.

Has this project been identified as a local priority through trainings, exercises, real world events, or other needs assessments?

 ☒Yes
 ☐No

Please explain:

> Backups and securing Laramie County data is one of the most important job functions that I.T. does, and is considered the highest of our priorities. Backups and data/resource availability is listed in the Laramie County Emergency Response Plan and the Laramie County Cyber Security Plan as being a critical aspect of cyber/emergency readiness. Backups have also been identified in several roundtables, as the best recovery option for natural/man-made disasters and cyber-attacks within Laramie County.

Does this project support a previously awarded investment?

☐ Yes

☒ No

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

Milestones

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.

	Milestone/ Key activity	Projected Start Date	Projected End Date
1	Upon award, request RFP's for cloud storage.	10/01/2020	12/31/2020
2	Research equipment, evaluate quotes, award vendor contract and purchase storage.	1/15/2021	04/05/2021
3	Implement Backup and Retention Plan/ Monitor Backups Daily	05/01/2021	04/30/2023
4	Finalize and closeout grant funds	09/30/2021	12/31/2021

Budget Narrative

Instructions: Below you will find a budget table for each of the 5 solution areas: planning, organization, equipment, training, and exercise. Complete a budget table and narrative for each solution area associated with your project. For more information on allowable expenses for each solution area, please see the 2019 SHSP application guidance.

Budget Summary Table

Please submit the budget narrative that further details the total amount of funding being requested for each solution area.

Solution Area	Amount of Funding Requested
Planning	$0.00
Organization	$0.00
Equipment	$261,000.00
Training	$0.00
Exercise	$0.00
Total Amount:	$261,000.00

Planning Table

Description	Amount Requested
NO ACTIVITY	

Narrative: Summarize planned expenditures requested for planning. What is the gap identified through the THIRA/SPR being addressed? Describe how the funding will contribute to building or sustaining a core capability.

Organization Table

Description	Amount Requested
NO ACTIVITY	

Narrative: Summarize planned expenditures requested for organization. What is the gap identified through the THIRA/SPR being addressed? Describe how the funding will contribute to building or sustaining a core capability.

Equipment Table

Equipment Description	AEL Code	Requested Amount
Backup Appliance (includes the following):	05NP-00-SEIM	$261,000.00
Instant Replacement		
Unlimited Cloud		
Energizer Updates		

The AEL is available at http://www.fema.gov/authorized-equipment-list. Some equipment items require prior approval before the obligation or purchase of the items. Please reference the grant notes for each equipment item to ensure prior approval is not required.

Narrative: Summarize planned expenditures requested for equipment. What is the gap identified through the THIRA/SPR being addressed? Describe how the funding will contribute to building or sustaining a core capability.

If awarded Laramie County IT will go out to a formal bid for a vendor who supplies backup services to request a complete package of instant replacement, unlimited cloud storage and energizer updates. Once bids have been evaluated, a vendor will be selected and the County will enter into a contract with said vendor for services. The backup services will be provided over a three-year period, however the expenditures will take place up front for that term. Our cybersecurity project will protect and restore all communication systems to include information and services as outlined in the priority investment. The redundant backup in the cloud allows sensitive information to be secure from damage, unauthorized use and exploitation along with providing protection from all hazards. Having a recoverable and secure backup addresses many sections of the THIRA/SPR as several agencies use our systems (law enforcement & health). Several specific areas of the THIRA/SPR are addressed including; planning, public information and warning (outdoor warning siren controller is backed up), operational coordination, operational communications, health and social services, intelligence and information sharing, access control & identity verification, cybersecurity, and threats and hazards identification. The cybersecurity project ties into the mission area of providing protection for Laramie County's critical data.

FFY2020 State Homeland Security Program
Grant Application

Training Table

Training	Description	Requested Amount
No Activity		

Narrative: Summarize planned expenditures requested for training. What is the gap identified through a Training and Exercise Plan or other assessment (National Emergency Communications Plan NECP Goal Assessments)? Describe how the funding will contribute to building or sustaining a core capability.

Exercises Table

Exercise	Description	Requested Amount
No Activity		

Narrative: Summarize planned expenditures requested for exercise. What is the gap identified through the Training and Exercise Plan or THIRA/SPR being addressed? Describe how the funding will contribute to building or sustaining a core capability.

Application Checklist

Required:
☒ Complete FFY 2020 State Homeland Security Program Grant Application
☒ NIMS Adoption Resolution
☒ THIRA/SPR Certification

If applicable:
☒ Communications maintenance and sustainment plan

☐Training and Exercise Plan (required if funding is being requested for training or exercise)

☐ Any applicable supporting documentation (maps, product specifications, quotes, etc.)

March 10, 2020

Wyoming Office of Homeland Security

Reference: Laramie County SHSP 2020 Application for Cyber Security Backup Storage Application

Maintenance Plan-

All equipment and cybersecurity services will be inspected and maintained on an annual basis by the Laramie County IT department. Software/hardware and any other components of the equipment needing replacement will be completed during these annual inspections. Laramie County IT maintains a budget line to complete the necessary maintenance. Our proposed project is also under a service warranty for three years.

Sustainment

Laramie County IT will support any equipment or services purchased for cybersecurity measures (technical or mechanical), for the life of the equipment/software/hardware. If the purchased services become un-sustainable, they will be removed from service by Laramie County IT. Laramie County IT will be responsible for all sustainment operations of cybersecurity outside of the scope of work detailed within the application.

Respectfully,

Brad Alexander
Director, Laramie County Information Technology Department

Description:	Port scanners and other tools designed to identify security vulnerabilities on networks or individual hosts on target networks.
Applicable Grant Programs:	BZPP , DLSGP , EMPG , EOC , IBSGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , UASI
Grant Notes:	
Applicable Core Capabilities:	Environmental Response/Health and Safety , Intelligence and Information Sharing , Interdiction and Disruption , On-scene Security and Protection , Operational Communications , Operational Coordination , Physical Protective Measures , Public Health and Medical Services , Public Information and Warning , Screening , Search , and Detection

05NP-00-SEIM   System, Security Event/Incident Management

Description:	Software or appliance that gathers data from multiple security sources such as firewalls, intrusion detection systems, malware protection systems, etc. to provide log file consolidation and event correlation capability in support of network security operations.
Applicable Grant Programs:	BZPP , DLSGP , EMPG , EOC , IBSGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , UASI
Grant Notes:	
Applicable Core Capabilities:	Environmental Response/Health and Safety , Intelligence and Information Sharing , Interdiction and Disruption , On-scene Security and Protection , Operational Communications , Operational Coordination , Physical Protective Measures , Public Health and Medical Services , Public Information and Warning , Screening , Search , and Detection

(05PM)   Patch and Configuration Management

(05PM-00)   ...

05PM-00-PTCH   System, Patch/Configuration Management

Description:	System to manage the update and installation of patches, applications, and/or operating systems utilized by an organization in order to maintain current "version control."
Applicable Grant Programs:	BZPP , DLSGP , EMPG , EOC , IBSGP , LETPA-SHSP , LETPA-UASI , MMRS , OPSG , PSGP , PSIC , SHSP , THSGP , UASI
Grant Notes:	
Applicable Core Capabilities:	Environmental Response/Health and Safety , Intelligence and Information Sharing , Interdiction and Disruption , 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 , Screening , Search , and Detection

Section 06   Interoperable Communications Equipment

(06CC)   Commercial

(06CC-01)   Cell - Digital

06CC-01-CELL   Phone, Cellular

Description:	Cellular phone
Applicable Grant Programs:	Amtrak , BZPP , CCP , DLSGP , 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.

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

THIRA/SPR PARTICIPATION CERTIFICATION SIGN-IN ROSTER   COUNTY:

DATE	PRINTED NAME	SIGNED NAME	AGENCY	PHONE	EMAIL	GRANT FUNDING TYPE I.E. EMPG, SHSHP, PDM
9-17-19	Candis Pickard	Candis Pickard	Cheyenne Regional Medical Cntr	307-633-7890	Candis.pickard@CRMCWY.ORG	NA
9-17-19	Matt Solberg	MAH	Cheyenne Police Dept.	307-633-6673	m.solberg@cheyennepd.org	SHSP
9/17/19	Sandra Newland	S~	Laramie County Grants	307-633-4201	snewland@laramiecounty.com	SHSP, EmpG, PDM
9/17/19	Donna Conrad	Donna Conrad	Laramie County Grants	307-633-4535	dconrad@laramiecounty.com	
9/17/19	MAldonado Juan	Juan Maldonado	LCCC CAMPUS SAFETY	630 0645	JMAldona@lccc.wy.edu	
9/17/19	James Crosby	James Crosby	LCCC Campus Safety	307-630-0645	jcrosby@lccc.wy.edu	
9/17/19	Dominic Davis	D~	LCIT	307-633-4121	ddav@laramiecounty.com	
9/17/19	Brad Alexander	W~	LCIT	307-633-4846	Balexander@laramiecounty.com	
9/17/19	Rebecca Reid	Rebecca R-D	Laramie County Coroner	307-637-8000	RebeccaR@laramiecounty.com	SHSP
9.17.19	JOHN KELLEY	~	C-LCHD / PHRC	633-4063	JKELLEY@LARAMIECOUNTY.COM	FED
9-17-19	Kevin James	Kevin James	Laramie County Sheriff	633-4773	jamesk@laramiecounty.com	SHSP
9/17/19	Char madden	Char Madden	madden@laramie county.com	630-1066	cmadden@laramiecounty.com	SHSP
9/17/19	Jessica Lesley	Jessica Lesley	Laramie county coroner	637-8000	jlesley@laramiecounty.com	SHSP
9/17/19	Amy Payne	Apayne	Laramie County Combined	637-6535	apayne@laramiecounty.com	
9/17/19	Roy Kroeger	Roy Kroeger	Cheyenne-Laramie Co Health	633-4090	roykeh@laramiecounty.com	
9/17/19	Derrick Mittlestedt	DM	Laramie County Fire District #1	307-286-4866	dmittlestedt@lcfd1.com	AFG, SHSP
9/17/19	Priscilla Allen	PA	American Medical Response	307-256-2633	priscilla.allen@amr.net	
9/17/19	Jordan Hanslovan	~	Laramie County Fire Dist #3	(307) 287-8381	LCFD3OPS@gmail.com	
9/17/19	mikki munson	munson	WOHS	307-777-4921	mikki.munson@wyo.gov	
9/17/19	Beth Wood	Beth Wood	CLCEMA	(307)633-4236	BWOOD@LARAMIECOUNTY.com	HSGP/EMPG
9/17/19	Jeanne West	~	CLC EMA	307-633-4323	Jwest@laramiecounty.com	HSGP/EMPG
9/17/19	Matt Butler	Matt Butler	CLC EMA	307-633-4335	mbutler@laramiecounty.com	HSGP/EMPG

THIRA/SPR PARTICIPATION CERTIFICATION AGREEMENT

DATE: _September 17, 2019_

JURISDICTION/RERT #: _7_

COUNTY: _Laramie County_

PRINTED NAME: _Sandra Newland_

SIGNATURE: _[signature]_

I certify the above 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 Stakeholders Preparedness Report (SPR) for the 2019 submission.

THIRA/SPR PARTICIPATION CERTIFICATION AGREEMENT

DATE: September 17, 2019

JURISDICTION/RERT #: No. 7

COUNTY: Laramie County

PRINTED NAME: Donna Conrad

SIGNATURE: Donna Conrad

I certify the above 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 Stakeholders Preparedness Report (SPR) for the 2019 submission.

THIRA/SPR PARTICIPATION CERTIFICATION AGREEMENT

DATE: _4/17/2019_

JURISDICTION/RERT #: _laramie County I.T_

COUNTY: _laramie_

PRINTED NAME: _Brad Alexander_

SIGNATURE: _____

I certify the above 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 Stakeholders Preparedness Report (SPR) for the 2019 submission.

THIRA/SPR PARTICIPATION CERTIFICATION AGREEMENT

DATE: _9/17/19_

JURISDICTION/RERT #: _Laramie County Info Tech_

COUNTY: _Laramie_

PRINTED NAME: _Dominic Davis_

SIGNATURE: _[signature]_

I certify the above 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 Stakeholders Preparedness Report (SPR) for the 2019 submission.