



BOARD OF SUPERVISORS AGENDA ITEM REPORT AWARDS / CONTRACTS / GRANTS

☐ Award ☐ Contract ☒ Grant

Requested Board Meeting Date: 10/18/2022

* = Mandatory, information must be provided

or Procurement Director Award: ☐

***Contractor/Vendor Name/Grantor (DBA):**

State of Arizona Department of Homeland Security

***Project Title/Description:**

FY 2022 State Homeland Security Grant/cyber protection for local and tribal governments.

***Purpose:**

Through this grant, local government units receive leading edge cyber products to protect systems and data, including cybersecurity training, advanced endpoint protection software, web application firewalls, and multi-factor authentication tools. Board Action is to approve acceptance of the award and authorize Pima County Information Technology Department Interim Director to sign and submit the letter of acknowledgement regarding state management of this grant.

***Procurement Method:**

Not applicable

***Program Goals/Predicted Outcomes:**

Enhanced cybersecurity tools and training, leading to improved security.

***Public Benefit:**

The grant will be used to purchase necessary cyber security software and training at reduced cost based on bulk pricing obtained by the State of Arizona.

***Metrics Available to Measure Performance:**

Additional security monitoring tools and improved security. Note that this is an in-kind grant; the value of the cyber tools to be provided

***Retroactive:**

Yes, the award letter, received September 20, 2022, lists September 1, 2022, as the award date.

Grant
app'd 9/30/22
PW

THE APPLICABLE SECTION(S) BELOW MUST BE COMPLETED

Click or tap the boxes to enter text. If not applicable, indicate "N/A". Make sure to complete mandatory (*) fields

Contract / Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____
Commencement Date: _____ Termination Date: _____ Prior Contract Number (Synergen/CMS): _____
☐ Expense Amount \$ _____ * ☐ Revenue Amount: \$ _____

***Funding Source(s) required:** _____

Funding from General Fund? ☐ Yes ☐ No If Yes \$ _____ % _____

Contract is fully or partially funded with Federal Funds? ☐ Yes ☐ No

If Yes, is the Contract to a vendor or subrecipient? _____

Were insurance or indemnity clauses modified? ☐ Yes ☐ No

If Yes, attach Risk's approval.

Vendor is using a Social Security Number? ☐ Yes ☐ No

If Yes, attach the required form per Administrative Procedure 22-10.

Amendment / Revised Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____
Amendment No.: _____ AMS Version No.: _____
Commencement Date: _____ New Termination Date: _____
Prior Contract No. (Synergen/CMS): _____

☐ Expense ☐ Revenue ☐ Increase ☐ Decrease

Amount This Amendment: \$ _____

Is there revenue included? ☐ Yes ☐ No If Yes \$ _____

***Funding Source(s) required:** _____

Funding from General Fund? ☐ Yes ☐ No If Yes \$ _____ % _____

Grant/Amendment Information (for grants acceptance and awards)

☒ Award ☐ Amendment

Document Type: GTAW Department Code: ITD Grant Number (i.e., 15-123): 23*046
Commencement Date: 9/01/2022 Termination Date: 8/31/2023 Amendment Number: _____
☐ Match Amount: \$ _____ ☒ Revenue Amount: \$ 147,213

***All Funding Source(s) required:** US Department of Homeland Security

*Match funding from General Fund? ☐ Yes ☒ No If Yes \$ _____ % _____

*Match funding from other sources? ☐ Yes ☒ No If Yes \$ _____ % _____

*Funding Source: _____

*If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)?
Passed through Arizona Department of Homeland Security and retained by the state.

Contact: Mark Hayes

Department: ITD

Telephone: 724-7977

Department Director Signature: Mark C. Hayes

Date: 9/28/2022

Deputy County Administrator Signature: [Signature]

Date: 10/3/2022

County Administrator Signature: [Signature]

Date: 10/3/2022



Governor Douglas A. Ducey

State of Arizona Department of Homeland Security



Director Tim Roemer

September 20, 2022

Chief Information Officer Dan Hunt
Pima County
130 W. Congress St., 3rd Fl.
Tucson, AZ 85701-1404

Subject: FFY 2022 Homeland Security Grant Program
Subrecipient Agreement Number: 220401-01
Project Title: **Cyber Security Protection for Local and Tribal Governments**

Dear Chief Information Officer Dan Hunt,

The application that your agency submitted to the Arizona Department of Homeland Security (AZDOHS) for consideration under the Homeland Security Grant Program has been awarded. The project titled "**Cyber Security Protection for Local and Tribal Governments**" has been funded under the STATE HOMELAND SECURITY GRANT PROGRAM for **\$147,213**. This grant program is part of the U.S. Department of Homeland Security Grant Program and specifically is awarded under CFDA #97.067 (Catalog of Federal Domestic Assistance). The FFY 2022 federal award date as indicated in the U.S. DHS award package is 9/01/2022 with a total amount of funding of \$26,482,500.00. The Federal Award Identification Number is EMW-2022-SS-00010-S01.

Per your application, Pima County intends to furnish a memorandum of understanding (MOU) to the AZDOHS to manage and execute funding under subrecipient agreement number **220401-01**. AZDOHS will assume responsibility for all programmatic and financial reporting requirements outlined in the subrecipient agreement.

Please place the MOU on agency letterhead, sign and return to AZDOHS:

Arizona Department of Homeland Security
1700 W. Washington St, Suite 210
Phoenix, AZ 85007

Congratulations on your Homeland Security Grant Program award.

Sincerely,

Tim Roemer
Director



Memorandum of Understanding

Director Tim Roemer
Arizona Department of Homeland Security
1700 W. Washington St., Suite 210
Phoenix, AZ 85007

Dear Director Tim Roemer,

On behalf of Pima County, I would like to formally notify you that it is the intent of Pima County that \$147,213 from FFY 2022 SHSGP Subrecipient Agreement # 220401-01 be retained and managed by the Arizona Department of Homeland Security for cybersecurity efforts.

This letter from Pima County shall serve as a formal memorandum of understanding for the purposes of centralizing cybersecurity efforts within the State.

Sincerely,

Name and Title

Signature

Date

Mark Hayes, Chief Information Officer

2022 State Homeland Security Grant Application

Submitted by Dorothee Harmon on February 3, 2022 - 8:47am

PROJECT ADMINISTRATION

PROJECT DESCRIPTION

Subrecipient Agreement #: 220401-01

Project Title: Cyber Security Protection for Local and Tribal Governments

Project Summary:

Pima County, on behalf of the South region, is applying for the Arizona State Homeland Security Grant (SHSGP) to provide important cyber security products to local and tribal governments in Arizona. Pima County, on behalf of the South region, will enter into a Memorandum of Understanding with the State of Arizona, Department of Administration (ADOA) to continue the existing cyber grant program. For the previous two years 40+ local governments have participated in the cyber grant program awarded to the ADOA to leverage the buying power of the ADOA Enterprise Security team, and the expertise of ADOA and the multi-jurisdictional team created for the current grant program. Many local and tribal governments have cyber gaps because they do not have the resources, knowledge or the budget to purchase and install best practice cyber security tools to protect their data and their networks from compromise. Since local, tribal, and state government systems interconnect to each other we are all at significant risk of attack or compromise. The State and ADOA have successfully implemented an enterprise cyber security controls program across more than 86 state agencies and are using the success of that program and economies of scale to provide some of those products to local and tribal governments who are unable to budget or do not have the knowledge resources to implement those cyber products. These products can fit into three categories: 1) visibility of threats or gaps, 2) hunting for compromises, or 3) education of users. For FFY 2020 and 2021, ADOA was awarded Arizona Department of Homeland Security SHSGP grant for Security Awareness and Anti-Phishing Training (SAT), Advanced Endpoint Protection (AEP), Multi Factor Authentication (MFA), and Web Application Firewall (WAF). This was an increase over the FFY 2019 award and successful program for SAT. For more information visit: <https://aset.az.gov/local-tribal-cyberprogram> A multi-jurisdictional team was developed to notify local and tribal governments statewide of the products and licenses available and to assist the organizations with on-boarding and deploying these cybersecurity products to their organizations. As of February 2022, more than 70,182 combined licenses (SAT, AEP, MFA, & WAF) have been requested by more than 80 local or tribal governments through the online request forms and additional local and tribal organizations have shown interest in participating. Our primary objective and priority is the continuity and sustainment of the current grant program at FFY 2021 award levels. To sustain the current grant program Pima County, on behalf of the South region, and four other local governments in each of the five Arizona Homeland Security regions, are applying for a portion of the total program. Reduction or elimination of this grant would require some or all program participants to discontinue use of these cyber products increasing risk to systems and data and negating the efforts of the applicants to onboard and operationalize these products. This grant application will identify the primary priority (Priority 1) in the Funding Priorities section of this application for sustainment of current program. We will also identify expansion Priorities 2, 3, and 4 if there are opportunities to expand this grant program.

Organization Name:

Pima County

COMMENTS / REVIEW

Funding Year: 2022

Performance Period: October 1, 2022 to September 30, 2023

Award Letter Date: September 20, 2022

Award Docs Return by Date: Tuesday, Jan. 31, 2023

Award Exp Start Date: Saturday, Oct. 1, 2022

EHP: A

APPLICANT CONTACT

Applicant Title:

GMI Development Division Manager

Applicant Name:

Dorothee Harmon

Applicant Email:

dorothee.harmon@pima.gov

Applicant Office Phone:

(520) 724-6760

Applicant Cell Phone:

(520) 576-6067

Address:

130 W. Congress St., 3rd Fl.
Tucson AZ 85701-1404

HEAD OF AGENCY CONTACT

Head of Agency Title:

Chief Information Officer

Head of Agency Name:

Dan Hunt

Head of Agency Email:

dan.hunt@pima.gov

Head of Agency Office Phone:

(520) 724-7580

PROGRAM CONTACT

Program Contact Title:

Senior Relationship Manager for Operational Support

Program Contact Name:

Michael Loughridge

Program Contact Email:

michael.loughridge@pima.gov

Program Contact Office Phone:

(520) 724-7019

FISCAL CONTACT

Fiscal Contact Title:

GMI Finance Division Manager

Fiscal Contact Name:

Maggie Crowdes

Fiscal Contact Email:

maggie.crowdes@pima.gov

Fiscal Contact Office Phone:

(520) 724-7949

Address:

130 W. Congress St., 4th Fl.
Tucson AZ 85701-1404

AGENCY DEMOGRAPHICS

Number of sworn personnel: 0

Specialized Team Project Supports: None

INITIATIVES

Initiatives:

Strengthen Cybersecurity Capabilities

Is this project a Law Enforcement Terrorism Prevention Activity (LETPA)?: No

Project Type: Establish/enhance cyber security program

Is this project also submitted in UASI?: No

THREAT PROFILE

1. What is the terrorism threat your area faces that will be addressed by this project?:

Cyber Attack

2. Explain how this project will assist your agency in preventing/protecting against/mitigating/responding to/recovering from all hazards events and threats including your chosen terrorism threat in question 1.:

To increase visibility and protection of threats or fills cyber gaps, assist the hunting and detection of compromises, and provide security awareness education to end users.

3. Mission Area > Core Capability:

- Protect › Cybersecurity

3a. Capability Target > POETE > Gap:

- Every 1 year, appropriate authorities review and update cyber incident plans/annexes based on evolving threats covering 25 publicly managed and/or regulated critical infrastructure facilities. › Equipment › Controlling electronic access
- Every 1 year, appropriate authorities review and update cyber incident plans/annexes based on evolving threats covering 25 publicly managed and/or regulated critical infrastructure facilities. › Equipment › Detecting malicious activity
- Every 1 year, appropriate authorities review and update cyber incident plans/annexes based on evolving threats covering 25 publicly managed and/or regulated critical infrastructure facilities. › Equipment › Protective measures
- Every 1 year, appropriate authorities review and update cyber incident plans/annexes based on evolving threats covering 25 publicly managed and/or regulated critical infrastructure facilities. › Equipment › Technical countermeasures
- Every 1 year, appropriate authorities review and update cyber incident plans/annexes based on evolving threats covering 25 publicly managed and/or regulated critical infrastructure facilities. › Training › End-user awareness

4. What resources does your agency have to support the capability target selected above?:

The State of Arizona has implemented the recommended cyber controls/products across more than 86 state agencies and we can manage the addition of other local and tribal agencies using the same products and processes. We have also established a multi jurisdictional team (state and local representation) to manage the current grant award.

5. How will this project help your agency to achieve the capability target selected above?:

This helps to protect local, tribal, and state networks and data because local, tribal and state networks are interconnected. We're only as strong as our weakest link. This project will provide training to local and tribal government users on cyber security awareness teaching them to identify security risks and events in order to avoid and report threats from email attacks and other threats (SAT). This project will also provide cyber security products that will protect systems and data: with PC and system based software protecting against advanced persistent threat over and above traditional anti-virus (AEP), protect web domains and web servers from Internet based attacks (WAF), and provide credential protection with an additional layer of protection in addition to logins and passwords (MFA).

6. Will your agency continue to maintain, support and sustain this capability with other funding sources if Homeland Security grant funds were no longer available?: No

6a. Describe the reasons your agency will not continue to maintain this capability.:

Our agency does not have the budget and unable to spend our organization's budget to support other governments. To maintain controls each participating local and tribal government would need to fund their own licenses.

7. Does this project support a NIMS typed resource?: No

8. Has your agency previously been awarded Homeland Security Grant Program (SHSGP, UASI and/or OPSG) funding to support this project/capability?: Yes

8a. List the Subrecipient Agreement number and award amounts previously received in support of this capability.:

We were one of 5 AZ counties that applied for, awarded, and MOU'd the award to ADOA for Subrecipient Agreement 21-AZDOHS-HSGP-210602-01.

9. Is your agency prepared to provide up to 25% cash (hard) or in-kind (soft) match and ensure it is tracked and documented should matching funds be a requirement in FFY 2022?:

No

10. Will your project benefit more than just your own agency?:

Yes

10a. List which agencies that will have a direct benefit:

The Arizona Cyber Grant Program is in our third year of operations and have had 88 local and tribal government organizations apply to participate in our program to receive one or more of the four cyber security protection products funded by this grant.

10b. Describe in detail how the agencies mentioned in question 10a will benefit.:

Local and Tribal governments without proper knowledge, resources and funding to implement sophisticated cyber controls will benefit through the standards and best practices based approach proven successful at the State of Arizona government. The state, local and tribal governments will also benefit from economies of scale receiving significantly lower prices by purchasing bulk licenses through competitive state contracts. The current multi-jurisdictional team deploying four cyber security products currently also demonstrates the ability and benefit to build and sustain government partnerships.

PLANNED PROJECT ACTIVITIES

PLANNED ACTIVITIES FOR QUARTER #1

Execute MOU with ADOA to administer the award. ADOA will begin purchase of product(s). ADOA will re-engage with Liaison and Planning teams.

PLANNED ACTIVITIES FOR QUARTER #2

ADOA and Liaison team will re-engage participating organizations to continue deployment and use of the product(s). Communicate to local and tribal organizations if additional licenses are available.

PLANNED ACTIVITIES FOR QUARTER #3

ADOA and Liaison team will on-board additional organizations if additional license are made available.

PLANNED ACTIVITIES FOR QUARTER #4

ADOA and Liaison team will continue and conclude deployment and report on KPIs and metrics.

EQUIPMENT REQUEST

Equipment Item	Age/Condition of Equipment	Qty Requested	Cost Per Unit	Total Requested	Qty Awarded	Total Awarded
Item Name: Advanced Endpoint Protection (AEP) licensing AEL: 05HS-00-MALW Description: Advanced Endpoint Protection (AEP) software to be deployed on local and tribal government personal computers (PC's) and other systems to provide enhanced malware and advanced persistent threat (APT) endpoint protection above traditional anti-virus.	Not applicable.	3,100	\$20	\$62,000	3,100	\$62,000
Item Name: Fully Managed Advanced Endpoint Protection (AEP) licensing AEL: 05HS-00-MALW Description: Fully Managed Advanced Endpoint Protection (AEP) software and services to be deployed on local and tribal government personal computers (PC's) and other systems to provide enhanced malware and advanced persistent threat (APT) endpoint protection, endpoint detection and response, managed threat hunting, and vulnerability scanning.		310	\$51	\$15,810	0	\$0
Item Name: Web Application Firewall (WAF) licensing AEL: 05NP-00-FWAL Description: WAF protects web domains and web servers of local and tribal government from Internet and internal threat actors.		13	\$1,030	\$13,390	13	\$13,390
Item Name: Multi Factor Authentication (MFA) licensing AEL: 05AU-00-TOKN Description: MFA provides credential protection for systems in addition to login and password. As passwords may be easily cracked or reused, MFA provides an additional layer of protection to ensure only authorized account owners can access their computer accounts.		2,584	\$13	\$33,592	1,550	\$20,150
				\$124,792		\$95,540

Equipment Requested Total: \$124,792

Equipment Awarded Total: \$95,540

TRAINING REQUEST

Training Item	Backfill / Overtime	Workshops / Conferences	Trainers / Contractors		Supplies	Travel	Total Requested	Total Awarded
			Consultants	/				
Training Name: Security Awareness and Anti-Phishing Training (SAT) Training Description: Security Awareness and Anti-Phishing Training Software as a Service licenses for one year to train local and tribal government users on cyber security awareness and to be vigilant by identifying and avoiding email scams and attacks. Multiple on-demand, online, courses available including recommended (and required by State of Arizona policy) basic, organization wide, cyber security awareness training. Supplies Details: Software as a Service licenses for security awareness and anti-phishing training including the Learning Management System (LMS) to record user completion and anti-phishing campaign metrics.	\$0	\$0	\$0		\$51,673 Award - \$51,673	\$0	\$51,673	\$51,673
							\$51,673	\$51,673

Training Request Total: \$51,673

Training Award Total: \$51,673

Does your agency have a MYTEP?: No

EXERCISE REQUEST

Description	Exercise Type	Backfill / Overtime	Workshops / Conference	Contractors / Consultants	Supplies	Travel	Total Requested	Total Awarded
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
							\$0	\$0

Exercise Requested Total: \$0

Exercise Awarded Total: \$0

Does your agency have a MYTEP?: No

PLANNING REQUEST

Description	Backfill and Overtime	Workshops / Conference	Staff / Contractors / Consultants	Materials	Travel	Total Requested	Total Awarded
	\$0	\$0	\$0	\$0	\$0	\$0	\$0
						\$0	\$0

Planning Request Total: \$0

Planning Award Total: \$0

ORGANIZATION ACTIVITY REQUEST

Description	Overtime	Operational Expenses	Staff / Contractors / Consultants	Total Requested	Total Awarded
	\$0	\$0	\$0	\$0	\$0
				\$0	\$0

Organizational Activity Request Total: \$0

Organizational Activity Award Total: \$0

MANAGEMENT AND ADMINISTRATION REQUEST

Description	Backfill / Overtime	Personnel / Contractor / Consultant	Travel	Materials	Total Requested
	\$0	\$0	\$0	\$0	\$0
					\$0

M&A Total Requested: \$0

M&A Awarded Total: \$0

PROJECT REQUEST TOTAL

Cost Category	Total Requested	Total Awarded
Equipment Total	\$124,792	\$95,540
Exercise Total	\$0	\$0
Training Total	\$51,673	\$51,673
Planning Total	\$0	\$0
Organization Total	\$0	\$0
Project Total	\$176,465	\$147,213
	M&A Amount Requested	M&A Amount Awarded
Management and Administration	\$0	\$0
	Indirect Costs Requested	Indirect Costs Approved
Indirect Costs	No	No

INDIRECT COSTS

Is your agency seeking indirect costs?: No

Indirect Costs Approved: No

FUNDING PRIORITIES

Funding Details:

Priority 1: Training, Security Awareness and Anti-Phishing Training (continuation of 2021 grant funded recipients), minimum funding priority total \$200,000. Priority 1: Equipment, Advanced Endpoint Protection (continuation of 2021 grant funded recipients), minimum funding priority quantity 12,000, total \$240,000. Priority 1: Equipment, Multi Factor Authentication (continuation of 2021 grant funded recipients), minimum funding priority quantity 6000, total \$78,000. Priority 1: Equipment, Web Application Firewall licensing, (continuation of 2021 grant funded recipients), minimum funding priority quantity 45, total \$46,350. -- Additional priorities for program expansion: Priority 2: Equipment, Advanced Endpoint Protection (add managed threat hunting, add \$3.50 per unit) total cost per unit \$23.50, quantity 12,000, total \$282,000. Priority 2: Equipment, Multi Factor Authentication (expand license to Qty 10,000 due to demand and industry best practices) cost per unit \$13, total \$130,000. Priority 3: Equipment, Advanced Endpoint Protection (add managed threat hunting (add \$3.50 per unit) and vulnerability scanning (add \$2.20 per unit)) cost per unit \$25.70, Quantity 12,000, total \$308,400. Priority 4: Equipment, Managed Advanced Endpoint Protection with vulnerability scanning, cost per unit \$50.20, quantity 1200, total \$60,240.

Can partial funding be accepted in support of this project?: Yes