System for Award Management (SAM.gov) profile

Please identify your organization to be associated with this application. All organization information in this section will come from the System for Award Management (SAM) profile for that organization.

RAPID CITY, CITY OF

Information current from SAM.gov as of: 03/09/2020
DUNS (includes DUNS+4): 057222119
Employer Identification Number (EIN): 466000380
Organization legal name: RAPID CITY, CITY OF
Organization (doing business as) name:
Mailing address: 300 6TH STREET RAPID CITY, SD 57701-2724
Physical address: 300 6TH ST RAPID CITY, SD 57701-5034
Is your organization delinquent on any federal debt? N
SAM.gov registration status: Active as of 2020-03-06 00:00:00.000 GMT

Applicant information

Please provide the following additional information about the applicant.
Applicant name
Rapid City Fire Department

Main address of location impacted by this grant

Main address 1
10 Main Street
City
Rapid City
State/territory
SD
Zip code
57701
Zip extension
0000
In what county/parish is your organization physically located? If you have more than one station, in what county/parish is your main station located?
Pennington

Applicant characteristics

The Assistance to Firefighters Grants Program's objective is to provide funding directly to fire departments and nonaffiliated EMS organizations or a State Fire Training Academy for the purpose of protecting the health and safety of the public and first responder personnel against fire and fire-related hazards. Please review the Notice of Funding Opportunity Announcement (NOFO) for information on available program areas and for more information on the evaluation process and conditions of award.

Please provide the following additional information about the applicant.

Applicant type:
Fire Department/Fire District

Is this grant application a regional request? A regional request provides a direct regional and/or local benefit beyond your organization. You may apply for a regional request on behalf of your organization and any number of other participating eligible organizations within your region.

No

What kind of organization do you represent?
All Paid/Career

How many active firefighters does your department have who perform firefighting duties?
145

How many of your active firefighters are trained to the level of Firefighter I or equivalent?
145

How many of your active firefighters are trained to the level of Firefighter II or equivalent?
145

Are you requesting training funds in this application to bring 100% of your firefighters into compliance with NFPA 1001?
No

How many members in your department are trained to the level of EMR or EMT, Advanced EMT or Paramedic?
145

Does your department have a Community Paramedic program?
Yes

How many personnel are trained to the Community Paramedic level?
4

How many stations are operated by your department?
8

Does your organization protect critical infrastructure of the state?
Yes

Please describe the critical infrastructure protected below.
Rapid City is the largest municipality in the western half of South Dakota. It is home to Monument Health, the only Level II trauma center in a 300 mile radius and takes patients from all of western South Dakota, north-east Wyoming, northwest Nebraska, and south-east Montana. Black Hills Power’s primary electricity generators are located in Rapid City and cover over 120,000 customers in South Dakota as well as sending extra electricity to neighboring states and as far away as California. Rapid City is home to South Dakota School of Mines and Technology, not only a destination school for engineering students from around the world, but also performing world-class research. Rapid City Water and Sewer provide services to the city and surrounding communities. Rapid City Regional Airport is protected by Rapid City Fire Department. It is the only airport in western South Dakota capable of accepting large passenger and cargo aircraft. RC Reg Airport is home to the Army National Guard Aviation Readiness Center for helicopter pilot training as well as the 112th Medevac group. Ellsworth AFB is one of two Air Force Bases in the United States which support B-1 bomber wings and will soon be a base of flight control for Predator drones around the world. Ellsworth AFB utilizes water and sewer support from Rapid City and power from Black Hills Power. Pennington County Emergency Dispatch Center supports emergency services in parts or all of 6 counties, as well as the South Dakota Highway Patrol throughout the state. Camp Rapid, Army National Guard Post, is located in the western half of Rapid City and serves as a joint command center for the ANG and civilian agencies in the Black Hills and western South Dakota. The National Weather Service has a regional office located in Rapid City, this office monitors weather patterns and issues alerts for western South Dakota, north-eastern Wyoming, north-western Nebraska, and south-east Montana. Pactola Reservoir is outside of Rapid City in the Black Hills, the drainage and water flow pass through Rapid City to feed irrigation needs of farms and ranches to the Cheyenne River and emptying into the Missouri River. Along with the irrigation supply, the path of water from Pactola Reservoir is utilized by several other communities which lie along the path. A federal courthouse for the District of South Dakota is housed in the city. Century Link Communications Primary switching center which is the primary routing location for regional telecommunications and 911 routes. Several TV and radio stations originate their broadcasts in Rapid City, these stations have booster stations throughout South and North Dakota, Nebraska, Wyoming, and Montana delivering information to over 250,000 permanent residents. Rapid City Fire Department is the primary ambulance service for 1000 square miles and the only Advanced Life Support assistance for another 4000 square miles of western South Dakota.

Do you currently report to the National Fire Incident Reporting System (NFIRS)? You will be required to report to NFIRS for the entire period of the grant.
Yes

Please enter your FDIN/FDID.
02101

Operating budget

What is your organizations operating budget (e.g., personnel, maintenance of apparatus, equipment, facilities, utility costs, purchasing expendable items, etc.) dedicated to expenditures for day-to-day activities for the current (at time of application) fiscal year, as well as the previous two fiscal years?

Current fiscal year:
2020

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Operating budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>$11,766,763.00</td>
</tr>
<tr>
<td>2019</td>
<td>$11,484,322.00</td>
</tr>
<tr>
<td>2018</td>
<td>$11,040,378.00</td>
</tr>
</tbody>
</table>

What percentage of the declared operating budget is dedicated to personnel costs (salary, benefits, overtime costs, etc.)?
What percentage of the declared operating budget is derived from the following:  

<table>
<thead>
<tr>
<th>Category</th>
<th>2020</th>
<th>2019</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taxes</td>
<td>75</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>Bond issues</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>EMS billing</td>
<td>19</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Grants</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Donations</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Fund drives</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Fee for service</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

Describe your financial need and how consistent it is with the intent of the AFG Program. Include details describing your organization’s financial distress such as summarizing budget constraints, unsuccessful attempts to secure other funding, and proving the financial distress is out of your control.

The State of South Dakota is currently utilizing a non-P25 compliant radio system which is based on a Motorola proprietary software and hardware system. This system serves all public service entities throughout the state. This includes all State and Local Fire Departments, all Law Enforcement agencies, all EMS agencies, all Emergency Management agencies, all state – county – local road services, all public works, and even all school bus drivers are housed on this system. Knowing that the system would need to be upgraded to a P25 compliant system, the state chose the date of July of 2023 for the system to change to a P25 system. This was to be a state-wide roll out date for all involved entities. Within the last year, the state has announced that they have moved the date up to July of 2022 for starting the roll over. The state also chose to announce that the two main urban centers in South Dakota would be the alpha and beta sites for starting the system. This determinant created the locations of Sioux Falls and Rapid City to be the first to make the change, involving all of their local entities which are on the system. This determination was made without the input of the various entities which would be affected. Sioux Falls deferred to Rapid City to become the alpha site. The turn on date for the alpha location is Feb of 2022. With this advance in the switch date, Rapid City is caught two budget cycles ahead of the original change date. The Rapid City Fire Department, as well as other city departments affected, had placed the radios to be bought half in 2022 and 2023 in order to be ready for the change. However, the fire department needs to be ready by February of 2022 which means that all radios must be purchased in 2021, two years ahead of schedule. The state of South Dakota has not appropriated funding to assist local agencies with purchasing and upgrading their communications ability to work with the new system. The state’s funding has gone exclusively to the infrastructure and functional operation of the new system. There is no plausible method in which Rapid City Fire Department can increase their budget in the amount required to purchase 136 mobile and portable radios without having prepared the approving bodies, the city council and the mayor, with time enough for them to make proper inquiries and determine a functional funding source to provide the radios. This is severely impactful for the mayor and the city council as they do not have a way to locate or create source of funding to add to the city budget which could provide money for not only the Fire Department, which also operates the area EMS transport capability, but the Police Department, the Sheriff’s Office, and all city public works to purchase radios for this new system by the end of 2021. By utilizing an alternative funding source such as AFG, the fire department can assist the city in securing the radios it requires and decreasing the financial burden the city is being placed under. By easing this burden, the city may be able to find funding for the smaller number of radios to keep all city resources capable of communicating on the new system.

In cases of demonstrated economic hardship, and upon the request of the grant applicant, the FEMA Administrator may grant an Economic Hardship Waiver. Is it your organization’s intent to apply for an Economic Hardship Waiver?

No

Other funding sources

This fiscal year, are you receiving Federal funding from any other grant program for the same purpose for which you are applying for this grant?

No

This fiscal year, are you receiving Federal funding from any other grant program regardless of purpose?

No

Community description

Please provide the following additional information about the community your organization serves.

Type of jurisdiction served
City

What type of community does your organization serve?
Urban

What is the square mileage of your first due response zone/jurisdiction served?
56

What percentage of your primary response area is protected by hydrants?
95

What percentage of your primary response area is for the following: Percentage (must sum to 100%) Agriculture, wildland, open space, or undeveloped properties 10
The number of seated riding positions must be equal or greater than the total number of frontline and reserve apparatus. If there are zero frontline and zero reserve apparatus, the number of seated riding positions must be zero.

<table>
<thead>
<tr>
<th>Type or class of vehicles</th>
<th>Number of frontline apparatus</th>
<th>Number of reserve apparatus</th>
<th>Number of seated riding positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engines or pumpers (pumping capacity of 750 gallons per minute (GPM) or greater and water capacity of 300 gallons or more): pumper, pumper/tanker, rescue/pumper, foam pumper, CAFS pumper, type I, type II engine urban interface.</td>
<td>6</td>
<td>2</td>
<td>28</td>
</tr>
<tr>
<td>Ambulances for transport and/or emergency response.</td>
<td>10</td>
<td>5</td>
<td>28</td>
</tr>
<tr>
<td>Tankers or tenders (water capacity of 1,000 gallons or more).</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Call volume such as these would drastically alter outcomes of patient treatment. Mean delayed or non-communicate with units which will be left on the old system. Inability of the ambulance personnel to reach responders on scene contacted in as short a time frame as possible. Similarly, personnel from the department manning ambulances must be able to be shared among all involved fire personnel in a timely manner. Fire ground safety demands that all personnel be with mutual and automatic aid departments places firefighters of both departments in potential jeopardy. Critical information responded area, will not be in the initial change for Rapid City. Portions of these response areas are not scheduled to be covered until July of 2023 with the last scheduled switch. This breakdown of time means that Rapid City Fire Department will have automatic or mutual aid agreements with over 25 separate city, county, and state agencies to respond in assistance to structure and wildland fires. The department provides ALS primary response for 5000 square miles around the city. This population coverage is over 100,000 people which are directly served by the EMS system. These numbers become necessary to report in that a majority of the automatic aid units and over 4500 square miles of the EMS response area, will not be in the initial change for Rapid City. Portions of these response areas are not scheduled to be covered until July of 2023 with the last scheduled switch. This breakdown of time means that Rapid City Fire Department will be responding with agencies still utilizing the departing radio system. Inability of Rapid City Fire Department firefighters to communicate with mutual and automatic aid departments places firefighters of both departments in potential jeopardy. Critical information will not be able to be shared among all involved fire personnel in a timely manner. Fire ground safety demands that all personnel be able to be contacted in as short a time frame as possible. Similarly, personnel from the department manning ambulances must be able to communicate with units which will be left on the old system. Inability of the ambulance personnel to reach responders on scene would mean delayed or non-existent updates on patient condition, scene changes, or needs for additional units due to multiple patients. Delays such as these would drastically alter outcomes of patient treatment.

<table>
<thead>
<tr>
<th>Type or class of vehicles</th>
<th>Number of frontline apparatus</th>
<th>Number of reserve apparatus</th>
<th>Number of seated riding positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerial apparatus: aerial ladder truck, telescoping, articulating, ladder towers, platform, tiller ladder truck, quint.</td>
<td>3</td>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>Brush/quick attack (pumping capacity of less than 750 GPM and water carrying capacity of at least 300 gallons): brush truck, patrol unit (pickup w/skid unit), quick attack unit, mini-pumper, type III engine, type IV engine, type V engine, type VI engine, type VII engine.</td>
<td>7</td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>Rescue vehicles: rescue squad, rescue (light, medium, heavy), technical rescue vehicle, hazardous materials unit.</td>
<td>8</td>
<td>6</td>
<td>36</td>
</tr>
<tr>
<td>Additional vehicles: EMS chase vehicle, air/light unit, rehab units, bomb unit, technical support (command, operational support/supply), hose tender, salvage truck, ARFF (aircraft rescue firefighting), command/mobile communications vehicle.</td>
<td>12</td>
<td>6</td>
<td>30</td>
</tr>
</tbody>
</table>

Is your department facing a new risk, expanding service to a new area, or experiencing an increased call volume?

Yes

Please explain how your department is facing a new risk, expanding service to a new area, or experiencing an increased call volume.

The SD state radio system change will put the Rapid City Fire Department in a unique situation. The system cannot change in one complete switch as was initially planned. The state chose to stagger the switch over, the city Rapid City being the first area switched. Not all departments around Rapid City will be included in the first switch causing the stagger to be ongoing and leaving the final departments to be completed on the original date of July of 2023. Rapid City Fire Department has automatic or mutual aid agreements with over 25 separate city, county, and state agencies to respond in assistance to structure and wildland fires. The department provides ALS primary response for 5000 square miles around the city. This population coverage is over 100,000 people which are directly served by the EMS system. These numbers become necessary to report in that a majority of the automatic aid units and over 4500 square miles of the EMS response area, will not be in the initial change for Rapid City. Portions of these response areas are not scheduled to be covered until July of 2023 with the last scheduled switch. This breakdown of time means that Rapid City Fire Department will be responding with agencies still utilizing the departing radio system. Inability of Rapid City Fire Department firefighters to communicate with mutual and automatic aid departments places firefighters of both departments in potential jeopardy. Critical information will not be able to be shared among all involved fire personnel in a timely manner. Fire ground safety demands that all personnel be able to be contacted in as short a time frame as possible. Similarly, personnel from the department manning ambulances must be able to communicate with units which will be left on the old system. Inability of the ambulance personnel to reach responders on scene would mean delayed or non-existent updates on patient condition, scene changes, or needs for additional units due to multiple patients. Delays such as these would drastically alter outcomes of patient treatment.

**Call volume**

<table>
<thead>
<tr>
<th>Summary</th>
<th>2019</th>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire - NFIRS Series 100</td>
<td>388</td>
<td>338</td>
<td>415</td>
</tr>
<tr>
<td>Overpressure Rupture, Explosion, Overheat (No Fire) - NFIRS Series 200</td>
<td>19</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>Rescue &amp; Emergency Medical Service Incident - NFIRS Series 300</td>
<td>13313</td>
<td>13487</td>
<td>13487</td>
</tr>
<tr>
<td>Hazardous Condition (No Fire) - NFIRS Series 400</td>
<td>201</td>
<td>213</td>
<td>183</td>
</tr>
<tr>
<td>Service Call - NFIRS Series 500</td>
<td>2404</td>
<td>1865</td>
<td>1455</td>
</tr>
<tr>
<td>Good Intent Call - NFIRS Series 600</td>
<td>1046</td>
<td>987</td>
<td>981</td>
</tr>
<tr>
<td>False Alarm &amp; Falls Call - NFIRS Series 700</td>
<td>924</td>
<td>903</td>
<td>757</td>
</tr>
<tr>
<td>Severe Weather &amp; Natural Disaster - NFIRS Series 800</td>
<td>3</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Special Incident Type - NFIRS Series 900</td>
<td>20</td>
<td>25</td>
<td>41</td>
</tr>
</tbody>
</table>

**Fires**

2019 2018 2017

| "Structure Fire" (Of the NFIRS Series 100 calls, NFIRS Codes 111-120) | 259 | 218 | 261 |
| "Vehicle Fire" (Of the NFIRS Series 100 calls, NFIRS Codes 130-138) | 39 | 39 | 34 |
| "Vegetation Fire" (Of the NFIRS Series 100 calls, NFIRS Codes 140-143) | 24 | 14 | 37 |
| Total acreage of all vegetation fires | 8 | 6 | 10 |

**Rescue and Emergency Medical Service Incidents**

2019 2018 2017

| "Motor Vehicle Accidents" (Of the NFIRS Series 300 calls, NFIRS Codes 322-324) | 667 | 663 | 824 |
| "Extractions from Vehicles" (Of the NFIRS Series 300 calls, NFIRS Code 352) | 4 | 2 | 2 |
| "Rescues" (Of the NFIRS Series 300 calls, NFIRS Code 351, 353-381) | 260 | 367 | 153 |
| EMS-BLS Response Calls | 5277 | 5317 | 5418 |
| EMS-ALS Response Calls | 4391 | 4830 | 4428 |
| EMS-BLS Scheduled Transports | 0 | 0 | 0 |
Rescue and Emergency Medical Service Incidents

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS-ALS Scheduled Transports</td>
<td>173</td>
<td>209</td>
<td>257</td>
</tr>
<tr>
<td>Community Paramedic Response Calls</td>
<td>1647</td>
<td>469</td>
<td>389</td>
</tr>
</tbody>
</table>

Mutual and Automatic Aid

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount of times the organization received Mutual Aid</td>
<td>0</td>
<td>16</td>
<td>37</td>
</tr>
<tr>
<td>Amount of times the organization received Automatic Aid</td>
<td>6</td>
<td>20</td>
<td>2</td>
</tr>
<tr>
<td>Amount of times the organization provided Mutual Aid</td>
<td>28</td>
<td>45</td>
<td>65</td>
</tr>
<tr>
<td>Amount of times the organization provided Automatic Aid</td>
<td>26</td>
<td>32</td>
<td>36</td>
</tr>
<tr>
<td>Of the Mutual and Automatic Aid responses, amount that were structure fires</td>
<td>4</td>
<td>13</td>
<td>22</td>
</tr>
</tbody>
</table>

Grant request details Grand Total: 556982.9

Program area: Operations and safety

Total requested for Equipment activity: $556,982.90

Portable Radios (must be P-25 Compliant, limited to number of AFG approved seated positions)

Quantity

30

Unit price

$3,651.46

Total

$109,543.80

Budget Class

Equipment

Description

Motorola APX 4000 Portable Radio (P-25 Compliant) This portion of the request is for portable radios for the department chief officers and for portable radios for the officer riding position of responding apparatus. This request includes the radio with battery, enhanced microphone, field programmable, spare battery, encryption, and charging station for the spare battery.

More Details for Portable Radios (must be P-25 Compliant, limited to number of AFG approved seated positions).

Generally the equipment purchased under this grant program will:

Replace non-compliant equipment to current standard

Specify the age of equipment in years:

15

Will the equipment being requested bring the organization into voluntary compliance with a national standard, e.g. compliance with NFPA, OSHA, etc? In your narrative statement, please explain how this equipment will bring the organization into voluntary compliance.

Yes

Is your department trained in the proper use of the equipment being requested?

Yes

Are you requesting funding to be trained for these item(s)? (Funding for requested training should be requested as additional funding).

No

If you are not requesting training funds through this application, will you obtain training for this equipment through other sources?

Yes
Portable Radios (must be P-25 Compliant, limited to number of AFG approved seated positions)

Quantity
16

Unit price
$491.25

Total
$7,860.00

Budget Class
Equipment

Description
This portion of the request is for a six-bay battery charger/conditioner. This will provide charging space for each spare battery while not in use. The charger/conditioner will prolong the service life of the batteries purchased with the radios.

More Details for Portable Radios (must be P-25 Compliant, limited to number of AFG approved seated positions).

Generally the equipment purchased under this grant program will:
Replace non-compliant equipment to current standard
Specify the age of equipment in years: 12
Will the equipment being requested bring the organization into voluntary compliance with a national standard, e.g. compliance with NFPA, OSHA, etc? In your narrative statement, please explain how this equipment will bring the organization into voluntary compliance.
Yes
Is your department trained in the proper use of the equipment being requested?
Yes
Are you requesting funding to be trained for these item(s)? (Funding for requested training should be requested as additional funding).
No
If you are not requesting training funds through this application, will you obtain training for this equipment through other sources?
Yes

Mobile Radios (must be P-25 Compliant)

Quantity
41

Unit price
$3,700.02

Total
$151,700.82

Budget Class
Equipment

Description
Motorola APX 4500 Mobile Radio (P-25 Compliant) These are single head radios to place in fire apparatus and chief officer vehicles. This portion of the project will update the radios in the remaining vehicles of the department fleet which have not already been updated.

More Details for Mobile Radios (must be P-25 Compliant).

Generally the equipment purchased under this grant program will:
Replace non-compliant equipment to current standard
Specify the age of equipment in years:
15
Will the equipment being requested bring the organization into voluntary compliance with a national standard, e.g. compliance with NFPA, OSHA, etc? In your narrative statement, please explain how this equipment will bring the organization into voluntary compliance.
Yes
Is your department trained in the proper use of the equipment being requested?
Yes
Are you requesting funding to be trained for these item(s)? (Funding for requested training should be requested as additional funding).
No
If you are not requesting training funds through this application, will you obtain training for this equipment through other sources?
Yes

Portable Radios (must be P-25 Compliant, limited to number of AFG approved seated positions)

Quantity
68

Unit price
$3,587.91

Total
$243,977.88

Budget Class
Equipment

Description
Motorola APX 4000 Portable Radio (P-25 Compliant) This portion of the request will place a portable radio in each remaining riding seat on the department apparatus. This request is for the radio and battery, non-field programmable, encryption, enhanced microphone, and spare battery.

More Details for Portable Radios (must be P-25 Compliant, limited to number of AFG approved seated positions).

Generally the equipment purchased under this grant program will:
Replace non-compliant equipment to current standard
Specify the age of equipment in years:
12
Will the equipment being requested bring the organization into voluntary compliance with a national standard, e.g. compliance with NFPA, OSHA, etc? In your narrative statement, please explain how this equipment will bring the organization into voluntary compliance.
Yes
Is your department trained in the proper use of the equipment being requested?
Yes
Are you requesting funding to be trained for these item(s)? (Funding for requested training should be requested as additional funding).
No
If you are not requesting training funds through this application, will you obtain training for this equipment through other sources?
Yes

Mobile Radios (must be P-25 Compliant)

Quantity
Unit price
$4,390.04

Total
$43,900.40

Budget Class
Equipment

Description
Motorola APX6500 Series Mobile Radio (P25 compliant) This portion of the request is for 10 mobile radios with dual heads. The dual head model is necessary for the department ambulances in order for operation of the radio from either the cab of the ambulance or the passenger compartment.

More Details for Mobile Radios (must be P-25 Compliant).

Generally the equipment purchased under this grant program will:
Replace non-compliant equipment to current standard
Specify the age of equipment in years:
10
Will the equipment being requested bring the organization into voluntary compliance with a national standard, e.g. compliance with NFPA, OSHA, etc.? In your narrative statement, please explain how this equipment will bring the organization into voluntary compliance.
Yes
Is your department trained in the proper use of the equipment being requested?
Yes
Are you requesting funding to be trained for these item(s)? (Funding for requested training should be requested as additional funding).
No
If you are not requesting training funds through this application, will you obtain training for this equipment through other sources?
Yes

More Details for Equipment.

Narrative
Project Description
The current, and soon departing, radio system is build on proprietary Motorola technology, only Motorola designed and approved radios are compatible with it. The new system which will bring the state into compliance with P - 25 standards will not have proprietary technology. This new system will be open to almost all radio manufactures. Only the currently Motorola approved radios are capable of working on the old Motorola system and will be P25 compliant to work on the new one. The two radio manufacturers capable of this function are Kenwood and Motorola. A majority of the current fire department radios were purchased over 12 years ago. They are Motorola radios and are capable of working on the old system. However these radios do not meet the P - 25 compliance requirement for the new system. The department was preparing for the change in 2023 by spreading the cost of replacing the non P-25 compliant radios over three budget cycles to be ready for change over. With the change over being moved up and now coming at the beginning of 2022, this took away two budget cycles which would have been used for purchasing the new radios. During the last year, Rapid City Fire Department contacted Motorola and Kenwood in order to “test-drive” their respective portable radios in order to determine the best product for the firefighters. The Motorola Portable Radio performed better than the Kenwood due to a clearer remote speaker/microphone which was also the easier microphone to operate with PPE on. The Motorola radio is also able to connect with current SCBA through Bluetooth. The Kenwood radios were not able to connect with SCBA in this way. The department purchased the first round of the portable radios for the officer positions of the front-line fire response apparatus for extended testing. The determination was that the Motorola was the most appropriate radio. The radio replacement project will assure that all radios which will be rendered inoperable with the P25 change are replaced prior to the new system being activated in Rapid City. This involves replacing 88 portable radios which will place one radio in each riding position on front line structural, wildland, rescue, hazardous materials, chief officers and EMS units. The department has already purchased 34 of the 122 total portable radios that the project requires. Under the departing radio system Rapid City Fire Department had one portable radio per riding position, giving each individual on an apparatus the ability to contact the incident commander, other units on scene, and the dispatch center. This was done to follow NFPA 1710 for structural firefighting, NIOSH recommendations for personnel safety, and NWCG recommendations for wildland firefighting. Changing the radios of each position will allow each individual firefighter to be able to utilize one radio to operate on both the departing and the
incoming radio systems throughout the system changeover and years into the future. A total of 51 mobile radios will also be changed to replace the soon to be obsolete radios. The breakdown of the radio disbursement includes 6 of the 8 structural fire suppression apparatus, 11 of the 15 EMS units, 2 of the 3 aerial apparatus, 6 of the 10 wildland fire suppression units 12 of the 4 rescue/special operations units, and 14 of the 18 additional/support vehicles. The other Fire Department vehicles are already equipped with P25 and Motorola compatible radios. The Department had been equipping its newer vehicles with the dual compatible radios as they arrived in the expectation that the equipment would be in service well beyond the radio transition date.

Cost/Benefit

The request of radios is not intended to give each firefighter their own personal radio to carry on and off duty. With a department size of 145 operations personnel and an incident overhead potential adding 13 more, the department would be needing to request 158 radios in order to attain this level. This would not allow for any radio downtime for repairs, updates, damage, or even firefighters forgetting their radio when coming to work. Any of these simple factors would leave the department operationally short of full radio communications.

The request would place a radio in each position in which a firefighter may ride. With the radios remaining in the riding position rather than with the firefighter fewer radios are needed. Maintaining the radios in this pattern will assure that there is a radio available for any firefighter who mounts the apparatus. Each firefighter having a radio is imperative to firefighter safety. Group reliability on a single radio in one person’s possession creates an unacceptable hazardous condition should the group come apart for any reason or the person with the radio be the person who has encountered the problem situation. This also demands that a three to five person crew operate as a single resource. Each firefighter having a radio can allow the crew to be placed into two person teams, expanding the capability of the single company. The department has already placed a significant investment in the purchase of the radios. The department had purchased 34 portable and 22 mobile radios which meet the requested parameters have been purchased. This is over a quarter of the total 102 portable and 37% of the total mobile required radio package needed by the beginning of 2022. The majority of the portable radio purchase had been placed closer to the changeover date in order to determine the most appropriate radio for the department’s future. With a full state switch, the plan had been to choose a single radio that would take effect at the changeover. The department and all neighboring entities would move to the new system at the same time. However, with the advance of the radio system switch for the Rapid City Fire Department’s area while neighboring and assisting entities were left on a different radio system, it left the Rapid City Fire Department with two options to pursue: 1) continue with the original plan of the P-25 compliant radio for the Rapid City switch date and be in a position of requiring each person to maintain 2 radios for while multiple radio systems are in place or 2) purchase a radio which would meet the requirements for operating on both systems. For Rapid City Fire Department, the choice had to be #2 for simplicity and for firefighter safety. The department has purchased more mobile radios prior to this request for placing in new or replacement apparatus. Apparatus purchased in the last five years have a scheduled service life which extends well past the date of the radio change over. It was not prudent to place a radio in a new apparatus that would require replacement prior to the end of the service life of the apparatus. Secondarily, purchasing the radio earlier saves money simply due to the natural increase in price of equipment over time.

Statement of Effect

There are 102 active riding seats on front-line response apparatus. With a daily operational force of 45 firefighters, the determination for 102 riding positions is predicated on each crew cross-staffing multiple apparatus each shift in order to respond appropriately to the cause of an incident. As an example, the crew of a structural fire engine will also staff a wildland apparatus operating out of the same station. Each station also has at least one specialty response vehicle in the light rescue, heavy rescue, or hazardous materials. The total number of department radios also includes 20 positions of Chief Officers, Battalion Chiefs, EMS Chiefs, PIO, Community Paramedic, and Safety Officer. Placing a radio for each firefighter on each piece of apparatus serves two effects. The first is that firefighters can set the radio in each apparatus to the appropriate channels which will be used at the incident. Structural fire and wildland fire utilize different operational channels due to the assistance which arrives with each incident. The second effect is that should one of the pieces of apparatus be engaged in a long duration incident and the Department has to backfill the station, the arriving firefighters will have access to portable radios on the apparatus remaining in the station. This assures that the backfill firefighters have access to radios for them to function properly on incidents to which they will respond. The department has 70 mobile radios in use including apparatus, base stations, and specialized response units. Having mobile radios in every response apparatus is operationally important due to the increase output and reception of a mobile unit. 25% of the city is considered Wildland Urban Interface. This type of environment significantly limits the ability of portable radios which makes access to mobile radios a necessity. The mobile radio request includes 10 "dual-head" radios for use in the transport ambulances. In route to an incident, both crew members will be in the cab of the ambulance and will be using on radio head. While transporting a patient, one crew member will be in the patient area of the ambulance and will need access to the radio for contact with medical facilities or other responders. The second head would be placed in this patient area for the second crew member to utilize in needed communications.

Grant request summary

The table below summarizes the number of items and total cost within each activity you have requested funding for. This table will update as you change the items within your grant request details.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Number of Items</th>
<th>Total cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
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<td>$556,982.90</td>
</tr>
<tr>
<td>Total</td>
<td>5</td>
<td>$556,982.90</td>
</tr>
</tbody>
</table>

Is your proposed project limited to one or more of the following activities: Planning and development of policies or processes. Management, administrative, or personnel actions. Classroom-based training. Acquisition of mobile and portable equipment (not involving installation) on or in a building.

Yes
**Budget summary**

<table>
<thead>
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<th>Object class categories</th>
<th>Total</th>
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<td>Personnel</td>
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<tr>
<td>Fringe benefits</td>
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<td>Travel</td>
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<tr>
<td>Equipment</td>
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<tr>
<td>Supplies</td>
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<td>Contractual</td>
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<td>Construction</td>
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<td>Other</td>
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<td><strong>Total direct charges</strong></td>
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<tr>
<td>Indirect charges</td>
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<td><strong>TOTAL</strong></td>
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**Non-federal resources**

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<thead>
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<th>Source</th>
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<td>Applicant</td>
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<td>State</td>
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<td>Other sources</td>
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</table>

**Remarks**

- **Total Federal and Non-federal resources**
  - Federal resources
  - Non-federal resources
  - **TOTAL** $556,982.90

Program income $0.00

**Contact information**

Did any individual or organization assist with the development, preparation, or review of the application to include drafting or writing the narrative and budget, whether that person, entity, or agent is compensated or not and whether the assistance took place prior to submitting the application?

**Secondary point of contact**

Please provide a secondary point of contact for this grant.

The Authorized Organization Representative (AOR) who submits the application will be identified as the primary point of contact for the grant. Please provide one secondary point of contact for this grant below. The secondary contact can be members of the fire department or organizations applying for the grant that will see the grant through completion, are familiar with the grant application, and have the authority to make decisions on and to act upon this grant application. The secondary point of contact can also be an individual who assisted with the development, preparation, or review of the application.

**MR ROD SEALS**
Chief
rod.seals@rgcov.org

**Primary phone**
6053944180
Work

**Additional phones**
6053904510
Mobile
As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(e) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.

15. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.

16. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm-blooded animals held for research, teaching, or other activities supported by this award of assistance.

17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant awardees or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

Certifications regarding lobbying

OMB Number: 4040-0013
Expiration Date: 02/28/2022

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

- If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions. Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

OMB number: 4040-0013, Expiration date: 02/28/2022 View burden statement

SF-LLL: Disclosure of Lobbying Activities
Complete only if the applicant is required to do so by 44 C.F.R. part 18. Generally disclosure is required when applying for a grant of more than $100,000 and if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Further, the recipient shall file a disclosure form at the end of each calendar quarter in which there occurs any event described in 44 C.F.R. § 18.110(c) that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed by the applicant.

The applicant is not currently required to submit the SF-LLL.

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Notice of funding opportunity

I certify that the applicant organization has consulted the appropriate Notice of Funding Opportunity and that all requested activities are programmatically allowable, technically feasible, and can be completed within the award's Period of Performance (POP).

Accuracy of application

I certify that I represent the organization applying for this grant and have reviewed and confirmed the accuracy of all application information submitted. Regardless of intent, the submission of information that is false or misleading may result in actions by FEMA that include, but are not limited to: the submitted application not being considered for award, enforcement actions taken against an existing award pending investigation or review, or referral to the DHS Office of Inspector General.

Authorized Organizational Representative for the grant

By signing this application, I certify that I understand that inputting my password below signifies that I am the identified Authorized Organization Representative for this grant. Further, I understand that this electronic signature shall bind the organization as if the application were physically signed and filed.

Authorization to submit application on behalf of applicant organization

By signing this application, I certify that I am either an employee or official of the applicant organization and am authorized to submit this application on behalf of my organization; or, if I am not an employee or official of the applicant organization, I certify that the applicant organization is aware I am submitting this application on its behalf, that I have written authorization from the applicant organization to submit this application on their behalf, and that I have provided contact information for an employee or official of the applicant organization in addition to my contact information.