

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.

CITY OF BELLEVUE

Information current from SAM.gov as of:	04/07/2024
UEI-EFT:	DQ3JYJ78JMD5
DUNS (includes DUNS+4):	071842611
Employer Identification Number (EIN):	916007020
Organization legal name:	CITY OF BELLEVUE
Organization (doing business as) name:	
Mailing address:	PO BOX 90012 BELLEVUE, WA 98009-9012
Physical address:	450 110TH AVE NE BELLEVUE, WA 98004-5514
Is your organization delinquent on any federal debt?	N
SAM.gov registration status:	Active as of 10/11/2023

We have reviewed our bank account information on our SAM.gov profile to ensure it is up to date

Applicant information

Please provide the following additional information about the applicant.

Applicant name	City of Bellevue
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Main address of location impacted by this grant

Main address 1	450 110th Ave NE
Main address 2	
City	Bellevue
State/territory	WA
Zip code	98004
Zip extension	5514

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? **King**

Applicant characteristics

The FP&S (Fire Prevention and Safety) program intends to enhance the safety of the public and firefighters with respect to fire and fire-related hazards by assisting fire prevention programs and supporting firefighter health and safety research and development. Grant funds are available in two activities: Fire Prevention and Safety Activity and Research and Development Activity. Please review the Notice of Funding Opportunity for information on available categories within each activity area and for more information on the evaluation process and conditions of award.

Please provide the following additional information about your organization.

Activity:	Fire Prevention and Safety (FP&S)
Applicant type:	Fire Department/Fire District
What kind of organization do you represent?	All Paid/Career
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.

17M02

Operating budget

What is your organization's operating budget for programs that enhance the safety of the public and firefighters with respect to fire and fire-related hazards (including fire prevention, fire code enforcement, fire/arson investigation, wildfire prevention, and firefighter health and safety research and development)? Please include costs (e.g., personnel, maintenance of apparatus, equipment, facilities, utility costs, purchasing expendable items, etc.) for the current (at the time of application) fiscal year, as well as the previous two fiscal years.

Current fiscal year:

2024

Fiscal Year	Operating budget
2024	\$3,856,909.00
2023	\$3,858,489.00
2022	\$3,456,044.00

Please explain the applicant's need for financial assistance to carry out the proposed project(s). Provide detail about the applicant's total operating budget, including a high-level breakdown of the budget. Describe the applicant's inability to address financial needs without federal assistance. Discuss other actions the applicant has taken to meet their needs. Include information on efforts to obtain funding elsewhere and how similar projects have been funded in the past.

Bellevue and Redmond are in a unique position, serving rapidly growing, dense urban areas with 1,600,000 square feet of new commercial space added in the first three months of 2024. There is an expected additional 3,200,000+ that will be slated later in the calendar year. Bellevue and Redmond's fire prevention teams have met their initial inspection goals for the last three calendar years running, despite staffing challenges such as 55% turnover. Additionally, both city's fire budgets have not grown at pace with the downtown commercial core. Bellevue's Fire Prevention team saw an annual budget increase of 2.4%, in lockstep with the overall departmental operating budget, but a 21% increase in number of inspections over the last 3 years (an increase which mirrors our 27% increase in dispatched calls). Of the combined Bellevue and Redmond operating budgets (\$116,398,468), \$7,352,104 is dedicated to our Fire Prevention teams, of which, over 81% is personnel costs. An additional 8% is vehicle costs, leaving approximately \$808,731 combined between the two jurisdictions for fire prevention operational and special project costs. The electronic rapid-entry system virtually eliminates the liability of the theft of a mechanical key, something that nearby jurisdictions have encountered at great expense. To resecure the buildings, they needed to rekey every Knox box that accessible to the stolen master key, to the tune of \$300,000-\$800,000 per occurrence. The risk exposure of the mechanical key prevents key sharing across jurisdictional boundaries; the potential to be liable for replacing Knox box cores across our combined 9 communities served would be insurmountable and prohibits conducting a regional rapid-entry program. The speed of regional urban development prompted Bellevue to join a handful of other cities in partnership with Knox in 2018 to beta test the electronic rapid-entry program, which eliminates the financial risk of a key theft through traceability and remote intervention opportunities. In 2019, Bellevue elected to purchase a component of the Knox program which it had helped to beta test the previous year and outfitted each of their responding apparatus with a Key Secure, which protects both an electronic and a mechanical key with individually traceable PIN access. This lifesaving regional program is impossible to achieve with current budget constraints, or within the foreseeable future, without significant outside assistance. Bellevue has made several attempts to fund the transition to an electronic rapid-entry program, including applying unsuccessfully to the FY2022 FP&S program. Without additional support, Bellevue and Redmond would be financially unable to shoulder the startup cost of a regional rapid-entry program.

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?

Yes

Please provide an explanation for other funding sources in the space provided below.

Yes. Bellevue received UASI and EMPG funding for the Office of Emergency Management, under the Bellevue Fire Department. Additionally, Bellevue and Redmond received funding through the 22AFG to purchase air packs to supply our Rapid Intervention Team.

Community description

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

What type of community does your organization serve?

Urban

What is the permanent resident population of your first due response zone/jurisdiction served?

153768

Please describe your organization and/or community that you serve.

This is a regional grant request involving 2 fire Departments in King County, Washington: Bellevue Fire Department and Redmond Fire Department, which collectively contract to service 9 communities: Bellevue, Redmond, Fire Protection District 34, Clyde Hill, Medina, Hunts Point, Yarrow Point, Beaux Arts, and Newcastle. Combined, there are 314 Firefighters from these 2 Departments operating out of 17 stations to protect 86 square miles and 467,239 residents in Western Washington. The 2 participating Departments are all-risk agencies that provide structure and wildland fire protection, emergency medical services, technical rescue response (rope, confined space, vehicle/machinery, structural collapse, trench, surface water) and hazardous materials mitigation. Critical

infrastructure within the response area includes Lake Washington, Lake Sammamish, the Olympic petroleum pipeline, a community college, Microsoft Corporation Headquarters, Safeway & Coca Cola Manufacturing Plants, 3 large hospitals, various utility infrastructure (power, communications, water, wastewater), Interstates 90 & 405, State Route 520, two floating bridges, and a commuter light rail system. The region has been experiencing a dramatic increase in calls for service, and set yet another high in 2023, with the 2 Departments responding to cumulative 32,506 incidents, a 26% increase from 2020. This number will continue to grow due to unprecedented population growth, and development of housing (single and multi-family) and commercial space in the region. Additionally, in recent years, both participating Departments expanded services and developed some form of a Mobile Integrated Health program that helps connect individuals with appropriate health and social service resources. Both Departments are dedicated to improving the region's emergency services and this application is just one example of the region's successful collaboration. Members from each Department also work collaboratively as part of the King County Zone 1 Technical Rescue Team and Zone 1 Eastside Hazardous Materials Team. If awarded, we will continue to strengthen the region's interoperability, and improving Firefighter safety.

Grant request details

Grand total: \$742,794.56

Program area: Fire prevention and safety

Activity: Community Risk Reduction

\$742,794.56

Project

Project: General Prevention/Awareness Regional Rapid Entry Knox Box Retrofits

\$742,794.56

General Prevention/Awareness project questions

Please provide the following information about the project you want funded.

Project name

Regional Rapid Entry Knox Box Retrofits

Is this a national-level project, with national impact and national dissemination? **No**

Is this project 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. **Yes**

Please explain how this request benefits other organizations. **This program is a joint effort between Bellevue Fire Department (BFD) and Redmond Fire Department (RFD). Both Redmond and Bellevue Fire Departments serve additional communities through contracted fire service, including Newcastle, Medina, Clyde Hill, Beaux Arts, Yarrow Point, Hunt's Point, and Fire Protection District 34, and a total population served to 467,239. This project equips and protects a total of 9 communities served by Bellevue and Redmond Fire Departments.**

How many regional partners will directly participate in this project? **2**

Please list each participating agency by name along with a point of contact (POC), to include a phone number. All regional participants must be eligible as defined by the Notice of Funding Opportunity.

Participating organization name	POC first name	POC last name	Phone number	Phone number extension	EIN
Bellevue Fire Department	Brianna	Hartzell	4252295834		*****
Redmond Fire Department	Gary	Smith	4255562236		*****

Per the Notice of Funding Opportunity, do you have a signed Memorandum of Understanding (MOU) or equivalent document already in place? **Yes**

Please attach your MOU or equivalent document:

Filename	Date uploaded	Uploaded by	Label	Description	Action
Executed_MOU_BEFD_REFD.pdf	04/11/2024	bhartzell@bellevuewa.gov	Memorandum of Understanding	MOU between Bellevue and Redmond Fire Departments for Regional Rapid Entry Knox Box Retrofits - Grant Application	

Who is the target audience for the planned project?

Geographic Area

What is the estimated size of the target audience? **467239**

How was this target audience determined? **Informal Assessment**

Please provide a brief synopsis of the proposed project and then identify the specific goals and objectives of your project. **This project would replace the mechanical Knox box cores in 9 communities, about 2,218 multi-family, business, assisted living, healthcare, and other high-risk facilities with an electronic Knox box core, allowing rapid regional access to critical calls. The objectives are: 1) transition all Knox boxes from a mechanical system to an electronic Knox box core and to 2) decrease mutual and automatic aid response times through our regional Knox box key sharing agreement. The goals are to show that over a 24-month period, grant funding would allow BFD and RFD to 1) purchase a combined total of 2,218 electronic Knox cores and 42 electronic keys 2) retrofit 1,410 and 808 cores respectively, incorporated into the inspection workflow of Fire Prevention team members 3) equip all 42 response apparatuses with key secures.**

Please explain your experience and ability in developing and conducting (i.e., timely and satisfactory project completion) past fire prevention and safety projects. Additionally, please demonstrate the experience and expertise you have in managing the type of project you are proposing. **On February 1, 2021, the 2018 Fire & Building Codes for the City of Bellevue went into effect. A new development to the code is the Firefighter Air Replenishment System (FARS) which became a requirement for all new high rises and tunnels within the City of Bellevue. FARS allows firefighters and other first responders to replenish empty breathing air cylinders in closer proximity of the incident, maximize firefighter safety and**

effectiveness by reducing the amount of time, travel distance, and personnel needed for logistical support. Development of this new, Bellevue specific code required collaboration among many partners. The Fire Prevention Division analyzed code changes and created draft amendments. The Fire Prevention Division coordinated meetings with staff, the design community, developers, and the public. The Bellevue Downtown Association and the Building Owners & Managers Association of Seattle/King County were very involved throughout the code development process. The Fire Prevention Division presented this information at a public meeting before its adoption by the Bellevue City Council. Since the adoption of this code requirement just two years ago, the FARS system is already operational in several high-rises in the Bellevue downtown core. This project demonstrates BFDs commitment to developing innovative and proactive solutions to protecting firefighter and community safety. BFD through this project, has proven to successfully manage both state and federal grants, and will comply with all procurement, contractual, audit, and reporting requirements.

Sustainability: Is it your organization's intent to deliver this program after the grant performance period? If so, how will the overall activity be sustained and what are the long-term benefits? Examples of sustainable projects can be illustrated through the long-term benefits derived from the delivery of the project, the presence of non-federal partners likely to continue the effort, or the demonstrated long-term commitment of the applicant.

BFD and RFD have committed, if awarded, to continue implementation of and maintenance of the rapid entry electronic Knox lock program indefinitely, and to foster regional interoperability through demonstration of the pilot program's success. Our funding request covers the startup cost of this joint project. Sustaining costs are programmatically accounted for both in supplies and staff time in both jurisdictions. Per our jurisdictions' fire codes, the cost of new and replacement lock boxes is the financial responsibility of building owners. If awarded, the departments will require that all future boxes installed have an electronic core. Staff time for installation of the boxes is accounted for during the allotted time for an initial fire maintenance/building inspection. Based on manufacturers' data, we expect electronic cores to last 10-15 years, once installed, which aligns with Bellevue and Redmond's current mechanical lock core replacement regulations. The scope of this project includes replacing Knox box lock cores with compatible models 2009 or later. Boxes older than 15 years will be replaced on an ongoing basis in cooperation with business owners as a part of the departments' committed continuation of our proposed regional electronic rapid access program. Electronic key software allows for additional jurisdiction's key codes to be added at a later date, opening the door for future rapid-entry partnerships within our region.

Narrative

The narrative statements must provide all the information necessary for you to justify your needs and for FEMA to make an award decision. A panel of peer reviewers will evaluate the applications by using the narrative statements below to determine the worthiness of the request for an award. Please ensure that your narrative clearly addresses each of the following evaluation criteria elements to the best of your ability with detailed but concise information. You may either type your narrative statements in the spaces provided below or create the text in your word processing system and then copy it into the appropriate spaces provided below. Please note the narrative block does not allow for formatting. Do not type your narrative using only capital letters. Additionally, do not include tables, special fonts (i.e., quote marks, bullets, etc.), or graphs. Please review the Notice of Funding Opportunity for additional narrative details.

Commitment to Mitigation: Fire Department applicants that can demonstrate their commitment and proactive posture to reducing fire risk will receive higher consideration. Applicants must explain their code adoption and enforcement (to include Wildland Urban Interface and commercial/residential sprinkler code adoption and enforcement) and mitigation strategies (including whether or not the jurisdiction has a FEMA-approved mitigation strategy). Applicants can also demonstrate their commitment to reducing fire risk by applying to implement fire mitigation strategies (code adoption and enforcement) via this application.

BFD and RFD understand that the best way to meet the public safety needs of the communities we serve is to reduce risk and prevent as many fires and medical emergencies as possible. This project is a prime example as it demonstrates the departments' commitments to innovation and public safety through the implementation of advanced rapid access electronic technology. Bellevue's commitment to risk reduction can be shown two-fold: risk mitigation and code enforcement. The State of Washington amends and adopts the International Fire Code and International Building Code which the City of Bellevue subsequently amends and adopts. These Codes include sprinkler and smoke alarm requirements. The city is currently operating under the 2021 Bellevue Fire Code. The Fire Prevention Division conducts plan review on all proposed structures, conducts construction inspections throughout the construction process, and then inspects each building every 1-2 years thereafter for the life of

the building, and has completed 100% of its annual inspection goals each of the last three years. Buildings which are found to be non-compliant are provided with education and given the opportunity to voluntarily comply. If voluntary compliance is not gained through education, then monetary enforcement action is taken through the Hearings Examiner. BFD also developed the City's 2018-2023 Hazard Inventory and Risk Assessment and 2018-2023 Comprehensive Emergency Plan. BFD is currently in the process of updating its Hazard Mitigation Plan. Our robust educational programming aims to mitigate a variety of risks within our communities served. Even with the constraints of the pandemic, in from 2020-2023, the Bellevue Fire Department: Conducted a six-month smoke alarm installation program that included training station personnel, providing them the appropriate supplies, and updating software programs to incorporate electronic liability waivers and methods to track program statistics. Initiated a partnership with the Bellevue Boys and Girls Club. With 13 of the 15 Clubs strategically located in East Bellevue neighborhoods where a family of four's median income is at least 20% lower than the city average, this provides an important avenue to reach some of Bellevue's most vulnerable residents. Translated about 85% of public fire prevention information into the 7 most spoken languages in our communities served, including fireworks restriction education, especially in areas considered to be Wildland Urban Interface. Developed fire and life safety videos in multiple languages in cooperation with King County Fire and Life Safety. Continues to host annual Fire Station open houses during National Fire Prevention Week, demonstrating stovetop fire safety and extinguishment, and other general preparedness topics. Maintains a continual presence on social media to remain connected with residents.

Vulnerability Statement:

- The assessment of fire risk is essential in the development of an effective project goal, as well as meeting FEMA's goal to reduce risk by conducting a risk assessment as a basis for action. Vulnerability is a "weak link," demonstrating high-risk behavior, living conditions, or any type of high-risk situation. The Vulnerability Statement should include a description of the steps taken to determine the vulnerability and identify the target audience. The methodology for determination of vulnerability (i.e., how the vulnerability was found) should be discussed in-depth in the application's Narrative Statement.
- The specific vulnerability that will be addressed with the proposed project can be established through a formal or informal risk assessment. FEMA encourages the use of local statistics, rather than national statistics, when discussing the vulnerability.
- In a clear, to-the-point statement, the applicant should summarize the vulnerability the project will address, including who is at risk, what the risks are, where the risks are, and how the risks can be prevented, reduced, or mitigated.
- For the purpose of this NOFO, formal risk assessments consist of the use of software programs or recognized expert analysis that assess risk trends.
- Informal risk assessments could include an in-house review of available data (e.g., National Fire Incident Reporting System [NFIRS]) to determine fire loss, burn injuries or loss of life over a period of time, and the factors that are the cause and origin for each occurrence, including a lack of adoption or enforcement of certain codes.

Bellevue and Redmond's regional electronic rapid-entry program addresses a known, shared vulnerability, confirmed through an informal assessment by analysis of in-house dispatch, call report, and demographic data from Bellevue, Redmond, and the additional 7 communities served: delayed access during automatic aid responses to critical call patients in Knox box accessible multi-family, higher education, and mixed-use developments. Bellevue and Redmond share a jurisdictional border of approximately 9.5 miles and use a regional Computer Automated Dispatch system with vehicle tracking to automatically identify and dispatch the nearest available resources to a call. This efficiency, coupled with our extensive border, leads us to frequent automatic aid dispatches. In 2023, for example, Bellevue and Redmond responded to a combined 2,126 automatic aid calls for one another, nearly 10% of combined total call volume for the year. Many of these calls are to multifamily and commercial spaces within each jurisdiction's rapid-entry program, accessible only by that department's mechanical Knox box key. BFD provided automatic aid to Knox box equipped spaces in RFD jurisdiction 563 times in 2023, and that RFD did the same for BFD 948 times. Of those: 50 were cardiac arrest calls, 8 were strokes, and 22 were confirmed structure fires (14 of which were in multi-family residences). We can be sure that in all 80 of these calls, any time delays would have significantly impacted patient outcomes and extent of structure damage. Security and financial risk exposure associated with key-sharing, i.e. the possibility of the theft of a mechanical key, precludes Bellevue and Redmond from participating in a regional rapid-entry program with a mechanical key lock system. Our intent is to address our shared vulnerability by adopting a secure key/lock

interface compatible with our current Knox boxes. This will allow regional key sharing and thereby eliminate the rapid-access delays in automatic aid responses to fire alarm and high acuity Emergency Medical Service calls across our region, better protecting the residents and workforce of our 9 communities served. This vulnerability study was conducted in-house, in conjunction with Bellevue and Redmond's Fire Prevention and Data Analysis teams. We included automated dispatch data through our shared regional dispatcher NORCOM, Bellevue and Redmond's Fire Prevention inspection reporting data, and combined city demographic data.

Project Description: Applicants must describe in detail not only the project components but also how the proposed project addresses the identified capability gap, due to financial need and/or the vulnerabilities identified in the vulnerability statement. The following information should be included:

- Project Components
- Review of any existing programs or models that have been successful.
- Detailed description of how the proposed project components fill the identified capability gap
- If working with Fire Service Partners/Organizations, identify each partner/organization and the role(s) they will fill in the successful completion of the proposed project.

BFD, in cooperation with RFD, have partnered to propose a regional electronic rapid entry program. This project would install electronic lock cores in 2,218 retrofit-compatible Knox boxes in communities across our combined service area, including: Bellevue, Redmond, Fire Protection District 34, Newcastle, Medina, Yarrow Point, Hunt's Point, Beaux Arts, and Clyde Hill. The implementation of an electronic key/lock system dramatically enhances key security, as it requires an individual's access PIN to remove from an apparatus, as well as an authenticated use PIN. Both PINs can be entered and verified on the way to a call, before first responders arrive on scene. This enhanced security enables keys to be shared across jurisdictional boundaries, as it eliminates large scale financial risk exposure in the event of; a key theft, of re-keying each lock core individually across a region; a misplaced or stolen key can be deactivated remotely. BFD and RFD have a signed Memorandum of Understanding in place to allow for regional electronic key sharing, in the event we can secure the necessary funding to launch the cooperative program. Our project components include supplies (electronic replacement cores), equipment (e-Keys, and e-Key Docks, installation tools), education and training, and our Fire Prevention teams' labor (to program and install the new lock cores), ongoing use, and evaluation. The largest component of this project is the purchase and replacement of a combined 2,218 electronic replacement lock cores, e-Keys, 15 e-Key Docks, 15 e-Key Defenders, 15 e-Key Defender mounts, 26 Key Secures, and the hand tools needed for our fire prevention staff to execute the retrofits, for a total supply and equipment cost of \$742,794.56. Training and education components will not incur additional costs as they are currently provided to building owners and the departments' firefighters as a part of ongoing operations. By working with building owners within the community to continue to replace boxes and locks as needed, this project will be sustainable long past the performance period of the grant. While this project addresses the vulnerability of BFD and RFD jurisdictions' lack of rapid entry program, it is our expectation that modeling successful implementation of a regional rapid entry program will pave the way for future cross-jurisdictional regional cooperation. Our project is modeled on the successful implementation of other electronic, regionally shared rapid access programs. Locally, our neighbors Shoreline Fire and South King Fire & Rescue are in the process of transitioning from mechanical to electronic rapid entry systems for enhanced security and use traceability across 7 communities within our county. Two additional regional electronic rapid entry programs are being successfully implemented in Northern Colorado. One in Berthoud, Johnstown, Loveland, Milliken, Windsor, Severance and the portions of unincorporated Boulder, Larimer, and Weld counties, and a second in Brighton, Commerce City, Federal Heights, Northglenn, Thornton, and Westminster, the City and County of Broomfield,

and portions of unincorporated Adams County, Boulder County, Jefferson County, and Weld County.

Implementation Plan: Each project proposal should include details on the implementation plan which discusses the proposed project's goals and objectives. The following information should be included to support the implementation plan:

- Goals and objectives
- Details regarding the methods and specific steps that will be used to achieve the goals and objectives
- Timelines outlining the chronological project steps (this is critical for determining the likeliness of the project's completion within the period of performance)
- Where applicable, examples of marketing efforts to promote the project, who will deliver the project (e.g., effective partnerships), and the manner in which materials or deliverables will be distributed
- Requests for props (i.e., tools used in educational or awareness demonstrations), including specific goals, measurable results, and details on the frequency for which the prop will be utilized as part of the implementation plan. Applicants should include information describing the efforts that will be used to reach the high-risk audience and/or the number of people reached through the proposed project (examples of props include safety trailers, puppets, or costumes)
- Where human subjects are involved, describe plans for submission to the Institutional Review Board (IRB) (for further guidance and requirements, see the Human Subjects Research section of the NOFO)
- NOTE: For applicants proposing a complex project that may require a 24-month Period of Performance, please include significant justification and details in the implementation plan that justify the applicant's need for a Period of Performance of more than 12 months.

Evaluation Plan: Projects should include a plan for evaluation of effectiveness and identify measurable goals. Applicants seeking to carry out awareness and educational projects, for example, should identify how they intend to determine that there has been an increase in knowledge about fire hazards, or measure a change in the safety behaviors of the audience. Applicants should demonstrate how they will measure risk at the outset of the project in comparison to how much the risk decreased after the project

Our regional rapid entry project is a partnership between BFD and RFD, to better serve 9 communities within King County. Our goal is to increase regional interoperability, decrease time to intervention, save lives during critical response calls, and improve regional security by moving to an electronic Knox box system. Our goal is to provide rapid access to first responders across jurisdictional boundaries, while maintaining the highest level of accountability and security. Our objectives are to 1) Retrofit 2,218 rapid entry Knox box cores within BFD and RFD, accounting for 9 communities, transitioning from a vulnerable mechanical lock core to secure electronic lock over a 24-month period. 2) Reduce entry delays during automatic aid responses for critical EMS and Fire calls, improving patient outcomes and decreasing fire spread. A 24-month performance period is required to achieve all steps necessary to meet our objectives, including procurement, delivery, distribution, training, installation, and testing. The timeline requested also allows our departments to incorporate installation of the retrofit cores within our departments' IFC (Bellevue) and NFPA (Redmond) inspection interval schedules. With our proposed 24-month period, our plan and timeline are as follows. In performance Q1: execute agreement, BFD initiates and manages procurement, both departments notify building owners within the rapid entry programs via mailers and email. In performance Q2: Bellevue receives retrofit cores and distributes the allotted cores, Bellevue (1,410) and Redmond (808), as well as the e-Keys, e-Key Docks, e-Key Defenders, and Key Secures. Bellevue and Redmond Fire Prevention teams train all fire prevention team members how to install and use E-cores and E-Keys. Both jurisdictions will be utilizing training from Knox to obtain the necessary skills. The fire prevention teams will then train firefighters in use of the new system during regularly scheduled Fire Prevention training. In performance Q3: installation of electronic cores begins in earnest and continues through performance Q7. Each replacement takes approximately .33 hours within our regularly scheduled inspection time. Bellevue will replace 1,410 cores with a Fire Prevention staff of 7, at an hourly rate of \$55, and a replacement rate of 14 core replacements per Fire Prevention Officer per month at a total cost of \$23,354.76 (Year 1: \$10,236.60, Year 2: \$15,354.90). Redmond will replace 808 cores with a Fire Prevention team of 3, at an hourly rate of \$69.46, and a replacement rate of 18 cores per Deputy Fire Marshall per month, at a cost of cost \$18,520.81 (Year 1: \$7,426.66, Year 2 \$11,139.99). Combined, our programmatic cost in the first two years of this program would be \$41,875.57. This rate of replacement helps our financially constrained, small staffs to integrate core replacement into the normal inspection intervals of our respective fire codes, to create a cost-conservative sustainable project model. Our 8th performance quarter is dedicated to programmatic evaluation, data analysis, and closeout reporting, with our hope being to model and share a successful road map for regional rapid-entry program design.

Evaluation includes a comprehensive data analysis of our pre and post project automatic aid dispatches, focusing on high acuity EMS and confirmed fire responses, and a comparison of number of calls vulnerable to access delays. Bellevue and Redmond's Fire Prevention and Data Analysis Teams have been instrumental in reporting and documenting the incidences of this vulnerability. Evaluation will also include regular reporting and documentation of such

is finished. There are various ways to measure the knowledge gained about fire hazards, including the use of surveys, pre- and post-tests, or documented observations. Applicants are encouraged to attend training on evaluation methods, such as the National Fire Academy's "Demonstrating Your Fire Prevention Program's Worth."

incidences. The documentation will include milestones from pre, post, and mid-implementation data. We will be able to show, quantitatively and by call-type, the decrease in automatic aid calls lacking rapid-access capability. It is our goal to reduce the incidents of rapid-access barriers on automatic aid calls in proportion to the percentage of Knox boxes retrofitted with electronic cores. (Outdated boxes incompatible with retrofit cores will be replaced with electronic lock equipped boxes on an ongoing basis in cooperation with property owners). Bellevue Fire Department, with a total number of 2,126 Knox boxes in its rapid access program, will replace all 1,410 retrofit compatible lock cores, equivalent to 66% of the rapid access program. Redmond Fire Department, with a total of 1,328 total Knox boxes in their rapid access program, will replace all 808 retrofit compatible lock cores, equivalent to 60% of their rapid access program. We expect to be able to provide documentation showing a comparable reduction in percentage of automatic aid dispatches subject to rapid access barriers (60-66%) by the 8th performance quarter of our project.

Cost Benefit: Projects will be evaluated and scored by the Peer Review Panelists based on how well the applicant addresses the fire prevention needs of the department or organization in an economic and efficient manner. The applicant should show how it will maximize the level of funding that goes directly into the delivery of the project. The costs associated with the project also must be reasonable for the target audience that will be reached, and a description should be included of how the anticipated project benefit(s) (quantified if possible) outweighs the cost(s) of the requested item(s). The application should provide justification for all costs included in the project in order to assist the Technical Evaluation Panel with their review.

Partnering regionally in a rapid entry program shaves minutes off response times during critical calls, saving lives and homes during the dozens of times a year that we dispatch out of our first-due jurisdictions for cardiac arrests, strokes, and structure fires. Regional rapid access also eliminates unnecessary incidences of forced entry, reducing property damage and making automatic aid responses safer for firefighters as well. One way to look at it: suppose we continue at our current automatic aid call volume (2,126/year), growing at our current rate of 9% per year, for the next 5 years, for a total of 12,719 calls. With our total funding request of \$742,794.56, it comes out to \$58.40 per call. Additionally, proactive implementation of the lock core retrofits prevents a catastrophic un-forecasted cost associated with mechanical key theft from an apparatus, an unfortunately precedented event within the Greater Seattle Area. In the event of a mechanical key theft, Bellevue would incur a cost of \$961,224 to rekey the mechanical lock cores vulnerable to the missing key, and Redmond \$491,614 (overtime efforts, supplies, lost-opportunity cost on postponed inspections). Even all-hands-on-deck, it would take our Fire Prevention teams 3 full months, in the meantime leaving over a thousand homes and businesses vulnerable to burglary with malicious use of the lockbox key. Electronic rapid-entry keys eliminate the need to rekey lock boxes. In the event of an e-Key theft, the thief would need to input both an individual access PIN on the Key Secure on the apparatus, as well as the operational PIN. If they obtain the key but fail to validate the operation PIN, the key deactivates after a pre-selected window of time, say 15 min. In a worst-case scenario, if a thief activates and uses an e-Key, the activation is traceable to the individual e-Key, and the key can be deactivated remotely, preventing a second occurrence. Proactive implementation allows Bellevue and Redmond Fire Prevention teams to complete the project in the most cost-effective way possible: purchasing supplies at a bulk discount and proactively re-coring locks within our regular fire inspections. This allows the whole of the award to be spent directly on materials, while training and labor are department-funded, exceeding the 5% match requirement, but based on our departments' existing workflows as a sustainable project model.

Additional Comments: If you have any additional comments about your project, please provide them here.



Item: Fire Prevention Staff Time

\$44,158.15

Description

Fire Prevention staff time spent retrofitting all compatible boxes with electronic cores.

Budget class

Personnel

Year	Quantity	Unit price	Total
1	1	17663.26	\$17,663.26
2	1	26494.89	\$26,494.89
TOTAL		2	\$44,158.15



Item: e-Key Dock

\$3,000.00

Description

KLS-8600D e-Key Dock for Fire Prevention team members. Secures key with 2 factor authentication access code. Enables programming of keys, locks for installations and retrofits.

Budget class

Equipment

Year	Quantity	Unit price	Total
1	15	200.00	\$3,000.00
2	0	0.00	\$0.00
TOTAL		15	\$3,000.00



Item: Shipping

\$2,738.00

Description

Shipping from Knox in AZ to Bellevue Fire Department, for distribution between Bellevue and Redmond Fire Department Fire Prevention teams

Budget class

Other

Year	Quantity	Unit price	Total
1	1	2738.00	\$2,738.00

Year	Quantity	Unit price	Total
2	0	0.00	\$0.00
TOTAL		1	\$2,738.00

Item: Bellevue Sales Tax, 10.2% **\$64,665.08**

Description

Bellevue Fire Department's local sales tax rate

Budget class

Other

Year	Quantity	Unit price	Total
1	1	64665.08	\$64,665.08

Year	Quantity	Unit price	Total
2	0	0.00	\$0.00

TOTAL		1	\$64,665.08
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Item: Key Secure 6 **\$31,200.00**

Description

KS-6K2 Key Secure 6 is a PIN accessed, secure key storage which holds the new electronic key as well as the current program's mechanical key on an apparatus

Budget class

Equipment

Year	Quantity	Unit price	Total
1	26	1200.00	\$31,200.00

Year	Quantity	Unit price	Total
2	0	0.00	\$0.00

TOTAL		26	\$31,200.00
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Item: Knox Box Electronic Core **\$537,664.00**

Description

KLS-8800L - Retrofit e-Core

Budget class

Supplies

Year	Quantity	Unit price	Total
1	2168	248.00	\$537,664.00
2	0	0.00	\$0.00
TOTAL	2168		\$537,664.00



Item: Knox Box electronic core/faceplate combo \$16,250.00

Description

KLS-3292 - Lift off style door/e-Core combo fits certain serial number ranges within

Budget class

Supplies

Year	Quantity	Unit price	Total
1	50	325.00	\$16,250.00
2	0	0.00	\$0.00
TOTAL	50		\$16,250.00



Item: Installation Tool Kit \$462.33

Description

The installation tool kit includes the following to facilitate the mechanical core removal and electronic core retrofit: #1 Philips screwdriver, 9/16" socket, socket wrench, 7/8" wrench, and a flathead screwdriver

Budget class

Equipment

Year	Quantity	Unit price	Total
1	9	51.37	\$462.33
2	0	0.00	\$0.00
TOTAL	9		\$462.33

Item: e-Key Defender

\$14,145.00

Description

KD-1KD2 e-Key Defenders provide secure storage for both an e-Key and a mechanical key (as it is phased out) within a Fire Prevention team member's passenger vehicle. It is opened via PIN code, and each records each PIN access to allow for traceability and auditing.

Budget class

Equipment

Year	Quantity	Unit price	Total
1	15	943.00	\$14,145.00
2	0	0.00	\$0.00
TOTAL	15		\$14,145.00

Item: e-Key

\$28,512.00

Description

KLS-8701K Knox e-Key

Budget class

Equipment

Year	Quantity	Unit price	Total
1	66	432.00	\$28,512.00
2	0	0.00	\$0.00
TOTAL	66		\$28,512.00

Grant request summary

The table or tables below summarize the number of items and total cost within each FP&S activity category you have requested funding for. This table or tables will update as you change the items within your grant request details.

Fire prevention and safety

Activity – Project	Number of items	Total cost
Community Risk Reduction-General Prevention/Awareness Regional Rapid Entry Knox Box Retrofits	10	\$742,794.56
Total	10	\$742,794.56

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

Budget summary

Object class categories	Year 1	Year 2	Total
Personnel	\$17,663.26	\$26,494.89	\$44,158.15
Fringe benefits	\$0.00	\$0.00	\$0.00
Travel	\$0.00	\$0.00	\$0.00
Equipment	\$77,319.33	\$0.00	\$77,319.33
Supplies	\$553,914.00	\$0.00	\$553,914.00
Contractual	\$0.00	\$0.00	\$0.00
Construction	\$0.00	\$0.00	\$0.00
Other	\$67,403.08	\$0.00	\$67,403.08
Total direct charges	\$716,299.67	\$26,494.89	\$742,794.56
Indirect charges	\$0.00	\$0.00	\$0.00
TOTAL	\$716,299.67	\$26,494.89	\$742,794.56
Program income			\$0.00
Non-federal resources			
Applicant			\$35,371.17
State			\$0.00
Other sources			\$0.00
Remarks			
Total Federal and Non-federal resources			
Federal resources	\$682,190.16	\$25,233.23	\$707,423.39
Non-federal resources	\$34,109.51	\$1,261.66	\$35,371.17
TOTAL	\$716,299.67	\$26,494.89	\$742,794.56

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?

No

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.

<p>Eric P Lee Fire Fiscal Manager</p> <p>eplee@bellevuewa.gov</p>	<p>Primary phone 4254527670 Work</p> <p>Fax</p>	<p>Additional phones 4252296523 Work</p>
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Assurance and certifications

OMB number: 4040-0007, Expiration date: 02/28/2025 [View burden statement](#)

SF-424B: Assurances - Non-Construction Programs

OMB Number: 4040-0007

Expiration Date: 02/28/2025

Certain of these assurances may not be applicable to your project or program. If you have any questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

- 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.
- 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.
- 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.
- Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
- 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).
- 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.
- 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.
- 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.
- Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
- 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.
- 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(c) 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).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
 13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
 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 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.
 16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
 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 award recipients 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: 02/28/2025

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: 02/28/2025 [View burden statement](#)

SF-LLL: Disclosure of Lobbying Activities

OMB Number: 4040-0013

Expiration Date: 02/28/2025

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.

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.