

HAZARD MITIGATION GRANT PROGRAM PROJECT SUBAPPLICATION

NOTE: Please click within the greyed section to begin typing in each section of the application.

DISASTER NUMBER:

FM-5546-NV

JURISDICTION NAME:

City of Reno Fire Department

PROJECT TITLE:

Emergency Standby Generators



HAZARD MITIGATION GRANT PROGRAM (HMGP)

INTRODUCTION

INTRODUCTION

As a result of the declaration of a major federal disaster or aggregate Fire Management Assistance declarations, the State of Nevada is eligible for HMGP funding. The State has established priorities to accept project subapplications from subapplicants statewide, state agencies, tribal governments, local governments, and Private Non-Profits.

Hazard mitigation activities are aimed at reducing or eliminating future damages. Activities include cost effective hazard mitigation projects and hazard mitigation plans approvable by the Federal Emergency Management Agency (FEMA).

Nevada's Enhanced State Hazard Mitigation Plan (ESHMP) accreditation resulted in additional dollars available for local agencies' hazard mitigation plan and project funding for Hazard Mitigation Grant Program (HMGP). To maintain ESHMP status, further information is requested by FEMA. This information is requested as a means of assessing the pro-activity of your community or agency.

PUBLIC ASSISTANCE

If your project is aimed at repairing a damaged facility resulting from a federally declared disaster, contact the Public Assistance (PA) Program at disaster-recovery@dem.nv.gov. HMGP does not fund repairs for damages that result after a disaster.

TIME EXTENSIONS

Time extensions may be requested and will be approved or denied on a case-by-case basis. To request additional time to submit a subapplication, send an email to the mitigation@dem.nv.gov mailbox. The subject line must include: "Subapplication Time Extension Request (include Disaster Number and Project Control Number)". The body of the message must include justification and specific details supporting why more time is needed and how much additional time is requested. **Time extensions must be requested 120 days prior to end of period of performance.**

QUESTIONS

Submit all HMGP subapplication questions to the following mailbox: mitigation@dem.nv.gov.

HAZARD MITIGATION GRANT PROGRAM REGULATIONS

REGULATIONS

Federal funding is provided under the authority of the [Robert T. Stafford Emergency Assistance and Disaster Relief Act \(Stafford Act\)](#) through FEMA and the Nevada Division of Emergency Management (NV DEM). NV DEM is responsible for identifying program priorities, reviewing subapplications and forwarding recommendations for funding to FEMA. FEMA has final approval for activity eligibility and funding.

The federal regulations governing HMGP are found in Title 44 of the Code of Federal Regulations (44CFR), Part 201 (Planning) and Part 206 (Projects) and in Title 2 of the Code of Federal Regulations (2CFR), Part 200 (Uniform Administrative Requirements).

Regulations have been developed to implement the National Environmental Policy Act (NEPA). These regulations, as set forth in Title 40, Code of the Federal Regulations (CFR) Parts 1500-1508, require an investigation of the potential environmental impacts of a proposed federal action, and an evaluation of alternatives as part of the environmental assessment process. The FEMA regulations that establish the agency-specific process for implementing NEPA are set forth in 44 CFR Part 10. FEMA will lead the NEPA clearance process.

FEMA GUIDANCE

FEMA requires that all projects adhere to the [Hazard Mitigation Assistance Program and Policy Guide 2023](#).

HAZARD MITIGATION GRANT PROGRAM ELIGIBILITY CHECKLIST

Before completing the subapplication, review the following HMGP eligibility checklist to ensure project meets the requirements for HMGP funding.

- Construction/Ground-Breaking:** No construction or ground-breaking activities are allowed prior to FEMA approval. HMGP does not fund projects that are in progress or projects that have already been completed.
- Scope of Work:** The project scope of work (SOW) must be consistent with the SOW provided in the approved Notice of Interest (NOI).
- Benefit Cost Analysis:** FEMA Benefit Cost Analysis (BCA) Toolkit Version 6.0 must be used to conduct the BCA. FEMA will only consider subapplications that use a FEMA-approved BCA methodology. Documentation to support all BCA calculations must be included in subapplication. Projects with a benefit cost ratio (BCR) of less than 1.0 will not be considered. BCA will be verified by FEMA and NV DEM upon subapplication submittal. 5% Initiative Projects do not need a BCA. Planning grants do not need a BCA. Projects under \$1 Million may create a BCA narrative answering the five noted questions from FEMA.
- Subapplicant Eligibility:** Subapplicant must be an eligible State Agency, Local Government (City, County, Special Districts), Federally Recognized Tribe or Private Nonprofit (PNP) Organization. PNP is defined as private nonprofit educational, utility, emergency, medical, or custodial care facility, facilities providing essential governmental services to the general public and such facilities on Indian reservations (see 44 CFR Sections 206.221(e) and 206.434(a)(2)).
- LHMP/MJHMP:** Subapplicant must have a FEMA approved and adopted Local or Multi-Jurisdictional Hazard Mitigation Plan (LHMP or MJHMP) to be eligible for HMGP funding. If a jurisdiction has its own governing body, jurisdiction must be covered under its own plan. LHMP's/MJHMP's expire five years after FEMA approval. Failure to update plan before expiration date may cause project deobligation.
- Cost Share:** Local funding match of 25% of the total project cost is required by the subapplicant. HMGP matching funds must be from a non-federal source. The State does not contribute to local funding match.
- Period of Performance:** Projects must be completed (including close-out) within the 36-month Period of Performance (POP). POP begins upon FEMA approval/funding of the subapplication.

HAZARD MITIGATION GRANT PROGRAM ELIGIBILITY CHECKLIST (continued)

- Complete Subapplication:** Failure to include all required documentation will delay the processing of your subapplication and may result in denial of project. The SOW, cost estimate, cost estimate narrative, management costs cost estimate, work schedule and BCA must accurately mirror each other to be considered for funding. The budget narrative must include a detailed description of every cost estimate line-item, including the methodology used to estimate each cost.

- Regulations:** Subapplications that are inconsistent with state and federal HMGP regulations, or do not meet eligibility criteria will not be considered.

- Duplication of Programs:** HMGP funding cannot be used as a substitute or replacement to fund activities or programs that are available under other federal authorities, known as Duplication of Programs (DOP).

- Time Extensions:** Unless a time extension has been approved before the deadline, subapplications must be postmarked by the applicable deadline to be considered for funding.



SUBAPPLICANT MUST BE ABLE TO CHECK EVERY BOX TO QUALIFY FOR HMGP FUNDING.

SUBAPPLICATION FORMAT INSTRUCTIONS

NV DEM requires the following format to be used for all HMGP subapplications.

COMPLETE SUBAPPLICATION PACKAGE CONSISTS OF THE FOLLOWING:

Electronic Version of the completed application

- Table of Contents
- All electronic attachments must be clearly titled

Send electronic version to NV DEM either by email, DropBox or Microsoft Word 365 Zip function.

- Attachments must be in one of the following formats: Microsoft Word Version 2007 (or newer), Microsoft Excel or Adobe PDF
- Benefit Cost Analysis (BCA) 6.0 must be included (both PDF and Excel format)
- All electronic attachments must be clearly titled

ORGANIZATION OF THE FOLDERS MUST BE LABELED IN THE FOLLOWING FORMAT:

0. Table of Contents
1. Subapplication
2. Scope of Work
3. Designs
4. Studies
5. Maps
6. Photos
7. Schedule (Additional documentation work schedule components, Gantt chart, etc.)
8. Budget ([HMGP Cost Estimate Spreadsheet](#) and cost estimate narrative)
9. Match ([Local Match Commitment Letter Template](#))
10. BCA Report ([BCA Version 6.0](#) report and BCA supporting documentation)/BCA Narrative for projects under \$1 Million
11. Maintenance ([Project Maintenance Letter Template](#))
12. Environmental ([FEMA's Site Information, Environmental Review and Checklist](#) and all other environmental documentation)
13. Supporting Docs (Any extra supporting documentation)

EMAIL COMPLETED SUBAPPLICATIONS TO:

mitigation@dem.nv.gov

LOCAL HAZARD MITIGATION PLAN INFORMATION

9. LOCAL HAZARD MITIGATION PLAN (LHMP) REQUIREMENT:

-  A FEMA approved and locally adopted LHMP is required to receive federal funding for all project subapplication activities. Subapplicants for HMGP funding must have a FEMA-approved Mitigation Plan in place at the time of sub-award. Subapplication will be reviewed to ensure that the proposed activity is in conformance with subapplicant’s plan.

For State agencies, please use the currently approved Enhanced State Hazard Mitigation Plan.

A. NAME/TITLE OF YOUR LHMP: Washoe County Regional Multi-Jurisdictional Hazard Mitigation Plan (FEMA Approved)

<p>B. LOCAL SINGLE JURISDICTIONAL MULTHAZARD MITIGATION PLAN:</p> <p>DATE SUBMITTED TO NV DEM: <input style="width: 80px;" type="text"/></p> <p>DATE APPROVED BY FEMA: <input style="width: 80px;" type="text"/></p> <p>DATE ADOPTED BY LOCAL AGENCY: <input style="width: 80px;" type="text"/></p>	OR	<p>LOCAL MULTI JURISDICTIONAL MULTHAZARD MITIGATION PLAN:</p> <p>DATE SUBMITTED TO NV DEM: <input style="width: 80px;" type="text"/></p> <p>DATE APPROVED BY FEMA: <input style="width: 80px;" type="text" value="6/23/20"/></p> <p>DATE ADOPTED BY LOCAL AGENCY: <input style="width: 80px;" type="text" value="2/26/20"/></p> <p>LEAD AGENCY: Washoe County</p>
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C. IF YOUR PROJECT IS REFERENCED IN YOUR LHMP, INDICATE WHERE THE PROPOSED PROJECT CAN BE FOUND; USE N/A FOR NOT APPLICABLE BOXES:

CHAPTER	PART	SECTION	PAGE
4	1	EE-5	190

 **DO NOT INCLUDE A COPY OF YOUR PLAN WITH SUBAPPLICATION.**

D. PROVIDE A SHORT NARRATIVE DETAILING HOW YOUR PROJECT ALIGNS WITH THE RISK AND HAZARD ASSESSMENTS, STRATEGIES, GOALS AND/OR OBJECTIVES OF YOUR PLAN:

The project aligns with goals to protect critical facilities, reduce wildfire risk, and enhance infrastructure resilience.

COMMUNITY INFORMATION

10. COMMUNITY PARTICIPATION:

A. CHECK BOX(ES) IF YOUR COMMUNITY PARTICIPATES IN ANY OF THE FACTORS BELOW:

Select a column appropriate to your type of project. Acronyms include: Community Wildfire Protection Plan (CWPP), Community Rating System (CRS) Plan and Unreinforced Masonry (URM) Participation.

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B. PROVIDE A NARRATIVE DESCRIPTION OF ALL OF FACTORS SELECTED FROM LIST ABOVE:

The City of Reno participates in the Community Wildfire Protection Plan (CWPP) and integrates its priorities into local mitigation planning and capital improvement efforts. The CWPP identifies wildfire risk in the wildland-urban interface (WUI), infrastructure vulnerability, and the need to maintain operational emergency response capacity during Red Flag and Public Safety Power Shutoff (PSPS) events.

Reno Fire also implements defensible space and wildfire preparedness initiatives to reduce hazardous fuels and improve community resilience. In addition, the City participates in annual ShakeOut earthquake drills to enhance preparedness, interagency coordination, and continuity of operations during seismic events.

The proposed generator installations at Fire Stations 2, 6, and 10 support these efforts by ensuring uninterrupted emergency response capability during wildfire, severe weather, or earthquake-related power outages, strengthening overall community resilience.

C. IS YOUR JURISDICTION REQUIRED TO PROVIDE PUBLIC NOTICE OF THIS PROJECT?

Yes No If yes, provide details: If Approved, grent wil need to be accepted by Council

PROJECT INFORMATION

11. PROJECT TITLE: Emergency Standby Generators – Reno Fire Stations 2, 6, & 10

MUST USE THE SAME PROJECT TITLE ORIGINALLY USED IN THE APPROVED NOTICE OF INTEREST (NOI). IF YOU NEED TO CHANGE YOUR PROJECT TITLE, CONTACT NV DEM at mitigation@dem.nv.gov

12. PROJECT LOCATION:

A. IDENTIFY THE COUNTY/COUNTIES WHERE THE ACTIVITY WILL OCCUR:

Washoe County

B. LATITUDE/LONGITUDE COORDINATES:

FEMA requires that all projects be geo-coded using latitude and longitude (lat/long) using NAD-83 or WGS-84 datum. The lat/long coordinates must be expressed in degrees including five or more decimal places (e.g., latitude 36.999221, longitude -109.044883).

LATITUDE
See Attached Locations

LONGITUDE



IF THERE ARE MORE THAN ONE SET OF LAT/LONG COORDINATES, PROVIDE ON SEPARATE DOCUMENT AND ADD TO MAP SECTION OF BINDER.

C. STRUCTURE COORDINATES:

- For projects that protect buildings or other facilities, provide coordinates for each structure at either the front door of the structure or the intersection of the public road and driveway that is used to access the property.
- For large activity areas, such as detention basins or vegetation management projects, the location must be described by three or more coordinates that identify the boundaries of the project.
- The polygon created by connecting the coordinates must encompass the entire project area.

D. STAGING AREA:

Describe the project staging area. This is the area where the project equipment, materials and/or debris will be staged. Include a vicinity map with the proposed staging area(s) in the map section of the binder.

The staging will be located and each of the respective station addresses.



AERIAL MAP(S) OF STAGING AREA(S) MUST BE INCLUDED IN SUBAPPLICATION.

E. SITE PHOTOS:

A minimum of three ground photos per project site are required. Include in photo section of the binder.

F. MAPPING REQUIREMENTS:

Provide the following mapping elements in the map section of the binder:

- If project area has been mapped using GIS software, include the completed Shapefiles in electronic versions of full application.
- Include a vicinity map of the general area showing major roads. Aerial photographs may be used as vicinity maps.
- Prominently mark the project location on the vicinity map.
- Provide a detailed project map that clearly identifies the project boundaries.
- Project map must show all lat/long coordinates provided in the project description.
- Vicinity map and the project map must both have a north arrow and scale.



SEND ONLY ELECTRONIC VERSIONS OF MAPS.

G. PUBLIC ASSISTANCE (PA) PROGRAM FUNDING:

List any Public Assistance Disaster Survey Reports (DSR) or Project Worksheets (PWs) that were completed at the project location from previous disasters. List all current engagement with PA for this current disaster and include date(s) if known:

There are no Public Assistance (PA) Disaster Survey Reports (DSRs) or Project Worksheets (PWs) associated with Reno Fire Stations 2, 6, or 10 from previous disasters. The City of Reno is not currently engaged with FEMA Public Assistance funding for these project locations related to these projects.

H. DEED RESTRICTIONS THAT LIMIT FEDERAL FUNDING:

Is there a deed restriction or permanent conservation easement on the property at the project site that would prohibit federal disaster funding (e.g., a previously FEMA funded acquisition of a structure on this property)? If yes, describe in detail.

None

13. PROJECT DESCRIPTION:

A. APPLICATION TYPE:

Project 5% Activity

5% activities are defined as mitigation actions that are consistent with your local hazard mitigation plan and meet all HMGP requirements but may be difficult to conduct a standard BCA to prove cost-effectiveness. Examples: early earthquake warning system, back-up generators for critical facilities, public awareness campaign, mitigation specific community outreach activities.

B. PROJECT TYPE:

Select at least one project type; select as many as needed to accurately describe project.

<input type="checkbox"/> EARTHQUAKE	<input type="checkbox"/> FIRE	<input type="checkbox"/> FLOOD	<input checked="" type="checkbox"/> OTHER
<input type="checkbox"/> CODE ENFORCEMENT	<input type="checkbox"/> DEFENSIBLE SPACE	<input type="checkbox"/> ACQUISITION	<input checked="" type="checkbox"/> CRITICAL FACILITY GENERATOR(S)
<input type="checkbox"/> NON-STRUCTURAL	<input type="checkbox"/> FIRE RESISTANT BUILDING MATERIALS	<input type="checkbox"/> DRY FLOOD PROOFING	<input type="checkbox"/> DROUGHT <input type="checkbox"/> TSUNAMI
<input type="checkbox"/> STRUCTURAL	<input type="checkbox"/> FIRE VEGETATION MANAGEMENT	<input type="checkbox"/> FLOOD CONTROL	<input type="checkbox"/> WIND
<input type="checkbox"/> NON-STRUCTURAL & STRUCTURAL	<input type="checkbox"/> SOIL STABILIZATION	<input type="checkbox"/> ELEVATION	<input type="checkbox"/> OTHER: <input type="text"/>
<input type="checkbox"/> Resilience and Climate Change Adaptation : Projects that mitigate risk through restoration of the natural environment			

C. DESCRIBE PROBLEM/HAZARDS/RISKS:

Describe the problem this project is attempting to solve and the expected outcome. Describe the hazards and risks to life, safety and any improvements to property in the project area for at least the last 25 years. Describe in detail how the project reduces hazard effects and risks.

Reno Fire Stations 2, 6, and 10 have backup generators that have exceeded their useful life and are no longer dependable during extended power outages. The generators being replaced are original to the construction of each station and are estimated to be approximately 40–50 years old. These stations operate 24/7 and provide fire suppression, EMS, wildland response, and disaster support. Over the past 25 years, Reno has seen more frequent wildfires, Red Flag wind events, winter storms, and Public Safety Power Shutoff (PSPS) events that increase the likelihood of power disruptions. When power is lost or a generator fails, critical functions such as bay doors, communications, lighting, HVAC, and equipment charging can be impacted, reducing response capability during emergencies.

This project will replace the aging generators with new fixed standby generators, automatic transfer switches, and upgraded electrical systems at each station. The upgrades will ensure the stations remain fully operational during hazard-related outages. Maintaining reliable backup power reduces risk to life and property, supports firefighter safety, and strengthens the City’s ability to respond during wildfire and severe weather events.

D. DESCRIBE RECENT EVENTS THAT INFLUENCED THE SELECTION OF THIS PROJECT:

Describe recent events (e.g. changes in the watershed, discovery of a new hazard, zoning requirements, inter-agency agreements, etc.) that influenced the selection of this project.

Recent wildfire seasons, prolonged Red Flag conditions, and increased Public Safety Power Shutoff (PSPS) events have highlighted the vulnerability of fire stations operating without reliable backup power. Regional utility infrastructure has experienced strain during high wind and wildfire conditions, increasing the likelihood of extended outages during periods of peak emergency response demand. In addition, updated risk

assessments through the Local Hazard Mitigation Plan and Community Wildfire Protection Plan emphasized the need to harden critical facilities to maintain continuous operations. These factors directly influenced the decision to prioritize replacement of aging generators at Stations 2, 6, and 10 to ensure uninterrupted emergency response capability during hazard events.

E. SCOPE OF WORK (SOW):

STATE EXACT SOW DOCUMENT TITLE:

HMGP Critical Facility Generator Replacement – Reno Fire Stations 2, 6, & 10

1. Describe the entire SOW of the project in clear, concise, ample detail.
2. Must provide a thorough description of **all tasks and activities** to be undertaken.
3. Must be written in sequential order from start to finish of the project.
4. Describe any land acquisition activities, and/or right-of-way or access easements that need to be obtained.
5. If structural, discuss how the structure/building/facility will be constructed or retrofitted.
6. Include building or structure dimensions, material types, depth and width of excavations, volume of materials excavated, type of equipment to be used, staging and parking areas, and any phasing of the project.
7. If any tunneling is proposed, describe the method and any temporary trenches or pits.
8. Describe any demolition activities that need to occur prior to construction or retrofitting.



INSERT THIS DOCUMENT IN THE SOW ORDER OF YOUR ELECTRONIC DOCUMENTS.

F. HAS YOUR JURISDICTION PREVIOUSLY RECEIVED HMGP FUNDING?

Yes No Unknown | If yes, provide disaster number(s):

G. HAS YOUR JURISDICTION RECEIVED ANY OTHER FUNDING?

Describe all other funding received for this project and all other recent projects. Identify the funding source (i.e., Federal, State, Private, etc.).

No other funding has been received/awarded for this project.

H. RELATED PROJECTS:

Describe any other projects or project components (whether or not funded by FEMA), which may be related to the proposed project, or are in (or near) the proposed project area. FEMA must look at all projects to determine a cumulative effect. FEMA reviews all interrelated projects under NEPA regulations.

There are no other known construction projects directly related to this project at Reno Fire Stations 2, 6, or 10. The proposed work is limited to replacement of existing generators and electrical distribution upgrades within the existing developed fire station properties. Routine facility maintenance and minor building improvements may occur periodically at these stations as part of normal operations, but no concurrent or planned projects that would contribute to cumulative environmental impacts have been identified.

I. HAZARD ANALYSIS TYPE:

Select the hazard(s) below that this project will protect against. Select as many as needed.

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> BIOLOGICAL | <input checked="" type="checkbox"/> EARTHQUAKE | <input type="checkbox"/> LAND SUBSISTENCE | <input checked="" type="checkbox"/> TERRORIST |
| <input type="checkbox"/> CHEMICAL | <input checked="" type="checkbox"/> FIRE | <input type="checkbox"/> MUD/LANDSLIDE | <input type="checkbox"/> TORNADO |
| <input checked="" type="checkbox"/> CIVIL UNREST | <input type="checkbox"/> FISHING LOSSES | <input type="checkbox"/> NUCLEAR | <input type="checkbox"/> TOXIC SUBSTANCES |
| <input type="checkbox"/> COASTAL STORM | <input checked="" type="checkbox"/> FLOOD | <input checked="" type="checkbox"/> SEVERE ICE STORM | <input type="checkbox"/> TSUNAMI |
| <input type="checkbox"/> CROP LOSSES | <input checked="" type="checkbox"/> FREEZING | <input checked="" type="checkbox"/> SEVERE STORM(S) | <input checked="" type="checkbox"/> WINDSTORM |
| <input type="checkbox"/> DAM/LEEVEE BREAK | <input checked="" type="checkbox"/> HUMAN CAUSE | <input checked="" type="checkbox"/> SNOW | <input type="checkbox"/> OTHER (describe below): |

J. DESIGN PLANS:

If your project requires design plans, plans should be prepared to supplement the SOW. FEMA prefers 60% design completion at time of application submission. If the project involves ground disturbance, (e.g. enlarging ditches or culverts, diversion ditches, detention basins, storm water improvements, etc.) include the following:

1. **Scale:** Plans should be drawn to scale (e.g. 1" to 100' or 1" to 200') depicting the entire land parcel, showing buildings, improvements, underground utilities, other physical features, dimensions and cross sections.
 2. **Identification:** Indicate agency name, landowner, civil engineer, soil engineer, geologist, map preparer, and date of map preparation. Also, indicate the name of the project.
 3. **Legend/Orientation:** Include a legend explaining all lines and symbols. Identify property acreage and indicate direction with a north arrow (pointing to top or right-hand side of the plan).
 4. **Dimensions:** Show property lines and dimensions. Also, show boundary lines of project and their dimensions if only a portion of the property is being utilized for the project.
 5. **Structures:** Identify all existing and proposed buildings and structures including storm drains, driveways, sidewalks and paved areas.
 6. **Utilities:** Indicate names and location of utilities on property (water, sewage, gas, electric, telephone, cable).
 7. **Roads/Easements:** Indicate location, names, and centerline of streets and recorded roads. Identify any utility, drainage or right-of-way easements on the property.
 8. **Drainage:** Show the location, width and direction of flow of all drainage courses on site.
 9. **Grading/Topographic Information:** Show existing surface contours on-site and bordering the property
 10. **Parking:** Show all construction parking and staging areas and provide dimensions.
 11. **Cross Sections:** Provide cross sections of proposed buildings, structures or other improvements, and any trenches, temporary pits or catchment basins.
- If applicable, provide studies and engineering documentation, including any Hydrology and Hydraulics (H&H) data.
- If applicable, provide drawings or blueprints that show the footprint and elevations.



PLEASE SEND ELECTRONIC VERSIONS OF DESIGN PLANS, DRAWINGS OR BLUEPRINTS.

K. PROJECT ALTERNATIVES:

Identify three project alternatives. NOTE: Proposed action is not based solely on cost but must address feasibility.

1. ALTERNATIVE #1 – NO ACTION:

Describe the No Action alternative below. The No Action alternative evaluates the consequences of taking no action and leaving conditions as they currently exist.

Under the No Action alternative, the existing generators at Fire Stations 2, 6, and 10 would not be replaced and the current electrical systems would remain as they are. Because the generators have exceeded their useful life, the stations would remain at risk of losing backup power during outages caused by wildfire, severe weather, or other hazard events. If the generators fail or power is lost, important functions such as bay doors, communications, lighting, HVAC, and equipment charging could be disrupted. This could affect the stations' ability to respond during emergencies. The

No Action alternative would leave the current risk in place and would not improve reliability or reduce hazard impacts.

2. ALTERNATIVE #2 – PROPOSED ACTION:

Describe the Proposed Action alternative below. The Proposed Action alternative is the proposed project to solve the problem. Explain why the proposed action is the preferred alternative. Identify how the preferred alternative will solve the problem, why the preferred alternative is the best solution for the community, why and how the alternative is environmentally preferred and why the project is the economically preferred alternative.

The Proposed Action is to replace the existing generators at Reno Fire Stations 2, 6, and 10 with new fixed standby generators, automatic transfer switches, and upgraded electrical panels. The current generators have exceeded their useful life and are no longer dependable during extended power outages. The new generators will provide reliable backup power to keep critical systems running, including bay doors, communications equipment, lighting, HVAC, and equipment charging.

This is the preferred alternative because it allows the stations to stay fully operational during power outages caused by wildfire, severe weather, or other emergencies. Keeping these stations functioning ensures firefighters and EMS crews can continue responding to incidents without interruption, helping protect lives and property in the community.

The project is environmentally preferred because all work will take place within existing fire station sites and will involve only minor excavation and electrical work. No new land will be disturbed or acquired. It is also the most practical and cost-effective solution because replacing the aging generators reduces the risk of equipment failure and helps ensure reliable emergency services during hazard events.

3. ALTERNATIVE #3 – SECOND ACTION ALTERNATIVE:

Describe the Second Action alternative below. The Second Action alternative described must also solve the described problem. State why this alternative wasn't chosen. It must be a viable project that could be substituted in the event the proposed action is not chosen.

The Second Action alternative considered was the use of portable generators to provide temporary backup power during outages. However, due to the size of the fire stations and the electrical demand required to support critical systems, portable generators would not provide sufficient capacity to operate essential equipment such as bay doors, communications systems, lighting, HVAC, and equipment charging.

WORK SCHEDULE INFORMATION

14. PROJECT WORK SCHEDULE:

WORK SCHEDULE EXAMPLE

The intent of the work schedule is to provide a realistic appraisal of the time and components required to complete the project.

- Describe each of the major work elements and milestones in the description section below.
- Project subapplication examples are: construction, architectural, design, engineering, inspection, testing, permits, project management, mobilization and de-mobilization.
- State the total timeframe anticipated for each of the work elements.
- State the total timeframe anticipated to complete the project.
- Work schedule must mirror SOW, budget and BCA.OPTIONAL: Provide the work schedule in GANTT chart form as supplemental documentation in the work schedule section of the binder Include this information as an example.

#	DESCRIPTION	TIMEFRAME
1.	Kick-off, 90% design meetings	3 months
2.	Final contract drawing development	5 months
3.	Open bids and award contract	4 months
4.	Construction – Mobilization	5 months
5.	Construction – Demolition	4 months
6.	Construction – Concrete and conduit work	2 months
7.	Construction – Trenching	2 weeks
8.	Construction – Utility relocation	4 months
9.	Construction – Electrical Installation	1 month
10.	Construction – Site Restoration	1 week
11.	Construction – Complete punch list	2 months
12.	Construction – Demobilization	1 week
13.	Project Close-out and record drawings	2 months
14.	Grant Close out	3 months
TOTAL MONTHS:		36 months



TOTAL PROJECT DURATION (INCLUDING CLOSE-OUT) MUST NOT EXCEED A 36 MONTH PERIOD OF PERFORMANCE (POP).

#	DESCRIPTION	TIMEFRAME
1.	Engineering & Load Calculations	2 Months
2.	Project Scope Review	1 Month
3.	RFP	1 Month
4.	Contract Award and Approval	1 Month
5.	Pad Repair & Excavation (if Needed)	3 Months
6.	Generator Delivery	3 Months
7.	Electrical Panel Installation	3 Months
8.	Generator Installation	6 Months
9.	Testing & Commissioning	1 Month
10.	Site Restoration	1 Month
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.	Project Close-out	1 Month
19.	STANDARD VALUE (DO NOT CHANGE) Grant Close-out	3 months
TOTAL MONTHS:		26 Months

If more lines are needed than provided, indicate the title of document in box 1 and attach a separate work schedule in the schedule section of binder.

COST ESTIMATE INFORMATION

15. HMGP COST ESTIMATE SPREADSHEET:

A. COST ESTIMATE INSTRUCTIONS:

Using the [HMGP Cost Estimate Spreadsheet](#), provide a detailed cost estimate breakdown.

- Cost estimate describes the anticipated costs associated with the SOW for the proposed mitigation activity. Cost estimates must include detailed estimates of cost item categories.
- Only include costs that are directly related to performing the mitigation activity. If additional work, such as remodeling, additions, or improvements are being done concurrently with the mitigation work, do not include these costs in the submitted budget.
- Documentation that supports the budget must be attached to the subapplication in the budget section of the binder.
- Total costs must be consistent with the requested federal share plus the matching funds and must be consistent with the project cost in the Benefit Cost Analysis (BCA), SOW and work schedule.

HMGP COST ESTIMATE SPREADSHEET EXAMPLE					
#	ITEM NAME	Unit Qty	UNIT	UNIT COST	COST EST TOTAL
1.	Pre-Award Costs: Develop BCA	4	HR	\$150	\$600
2.	Temp. Inlet Filter Rolls	4	EA	\$250	\$1000
3.	Temp. Fiber Roll	1850	LF	\$3	\$5550
4.	Hydraulic Mulch	1000	SQYD	\$2	\$2000
5.	Plane Asphalt Concrete Pavement	650	SQYD	\$22	\$14300
6.	Street Sweeping for 30 days	30	EA	\$350	\$10500
7.	Roadway Excavation	70	CY	\$40	\$2800
8.	Aggregate Base, Class 2	210	CY	\$75	\$15750
9.	Remove Concrete Pavement	650	SQYD	\$340	\$10540
10.	Asphalt Concrete, Type B	180	TON	\$150	\$27000
11.	Asphalt Concrete, Leveling	10	TON	\$300	\$3000
12.	Asphalt Concrete Dike, Type A	235	LF	\$15	\$3525
13.	Asphalt Concrete Dike, Type F	125	LF	\$8	\$120
14.	Place Asphalt Concrete	15	SQFT	\$8	\$120
15.	18" Corrugated Steel Pipe Riser	5	LF	\$125	\$625
16.	24" Reinforced Concrete Pipe	275	LF	\$170	\$46750
17.	84" Reinforced Concrete Pipe Install	572	LF	\$400	\$228800
18.	Precast Triple Concrete Box Culvert	44	LF	\$1500	\$66000
19.	Curb Inlet - Type B-1 (L=9')	1	EA	\$6000	\$6000
20.	Curb Inlet - Type B-1 (L=13')	1	EA	\$6300	\$6300
21.	Curb Inlet - Type B-1 (L=15')	1	EA	\$6800	\$6800
22.	Storm Drain Cleanout - Type A-8	3	EA	\$7500	\$22500
23.	8" PVC Sewer	89	LF	\$100	\$8900
24.	Cellular Block (Precast)	4100	SQFT	\$20	\$82000
25.	Project Identification Sign	2	EA	\$1000	\$2000
Total Project Cost Estimate:					\$573480



NOTE: If requesting sub-recipient management costs, these must be requested in a separate cost estimate spreadsheet.

B. INELIGIBLE COSTS:

The following are ineligible line items:

- Lump Sums
- Contingency Costs
- Miscellaneous Costs
- "Other" Costs
- Indirect Charges
- Overhead Costs
- Cents (must use whole dollar amounts, round unit prices up to whole dollars)

C. PRE-AWARD COSTS:

Eligible pre-award costs are costs incurred after the disaster date of declaration, but prior to grant award. Pre-award costs directly related to developing the application may be funded.

- Developing a BCA
- Preparing design specifications
- Submission of subapplication
- Gathering environmental and historic data
- Workshops or meetings related to development



Subapplicants who are not awarded funds will not receive reimbursement for pre-award costs.

D. COST ESTIMATE NARRATIVE:

FEMA requires a cost estimate narrative that explains all projected expenditures in detail. The cost estimate narrative is intended to mirror the cost estimate spreadsheet and should include a full detailed narrative to support the cost estimates listed in the HMGP Project Cost Estimate Spreadsheet.

If your cost estimate includes City, County, or State employees' time (your agency), include personnel titles and salary/hourly wages plus benefits for a total hourly cost. Detailed timesheets must be retained.

- Title the document “Cost Estimate Narrative” and include in the budget section of the binder.

16. FEDERAL/NON-FEDERAL SHARE INFORMATION:

A. FUNDING RESTRICTIONS:

HMGP funding is restricted to a maximum of \$5 million federal share for each project subapplication. FEMA will contribute up to 75 percent of the total project cost. A minimum of 25 percent of the total eligible costs must be provided from a non-federal source. State does not contribute to local cost share.

For example: for a \$6,250,000 total project cost, the federal requested share (75 percent) would be \$5,000,000. The non-federal match share (25 percent) provided would be \$1,250,000.

A jurisdiction may contribute an amount greater than the 25 percent non-federal share.

For example: for a \$10,000,000 total project cost, the federal requested share cannot exceed \$5,000,000. Therefore, the non-federal match provided must be \$5,000,000, which exceeds 25 percent of the total cost share. The sum of the non-federal and federal shares must equal the total project cost. In some instances, a grant may be 90% reimbursable with 10% match.

B. TOTAL PROJECT COST ESTIMATE:

	\$300,000
--	-----------

Enter total cost formulated on [HMGP Cost Estimate Spreadsheet](#)

ENTER \$ IN BOX ABOVE



VERIFY ALL AMOUNTS ENTERED ARE ACCURATE.

INCORRECT AMOUNTS WILL DELAY PROCESSING OF YOUR SUBAPPLICATION.

FEDERAL SHARE (75% MAXIMUM)	REQUESTED AMOUNT:	225,000
		ENTER \$ IN BOX ABOVE
	PERCENTAGE AMOUNT:	75%
		ENTER % IN BOX ABOVE
NON-FEDERAL SHARE (25% MINIMUM)	REQUESTED AMOUNT:	75,000
		ENTER \$ IN BOX ABOVE
	PERCENTAGE AMOUNT:	25%
		ENTER % IN BOX ABOVE

C. NON-FEDERAL MATCH SOURCE: MATCH COMMITMENT LETTER:

- Use the [Local Match Commitment Letter Template](#) to complete this section and add completed letter to the match section of the binder.

- A signed Match Commitment Letter must be provided on agency letterhead.
- The non-federal source of matching funds must be identified by name and type.
- If “other” is selected for funding type, provide a description.
- Provide the date of availability for all matching funds.
- Provide the date of the Funding Match Commitment Letter.
- The funds must be available at the time of submission unless prior approval has been received from NV DEM.
- If there is more than one non-federal funding source, provide the same information for each source on an attached document.
- Match funds must be in support of cost items listed in the cost estimate spreadsheet.
- Requirements for donated contributions can be found in 2 CFR 200.306.

BENEFIT/COST EFFECTIVENESS INFORMATION

17. BENEFIT/COST EFFECTIVENESS INFORMATION

A. BCA INSTRUCTIONS:

FEMA will only consider subapplications from subapplicants that use a FEMA-approved methodology to conduct the Benefit Cost Analysis (BCA). BCA must be legible, complete and well-documented.

- Project BCAs must demonstrate cost-effectiveness through a Benefit Cost Ratio (BCR) of 1.0 or greater.
- Projects with a BCR of less than 1.0 will not be considered for funding.
- Total project cost must be used in the BCA.
- Maintenance of a completed HMGP project is not an eligible reimbursement activity but must be included in the BCA.

BCA Version 6.0 is the only software that is allowed for conducting a BCA. Some project types may qualify for pre-calculated benefits. Additional information on the BCA Toolkit is available at: <https://www.fema.gov/benefit-cost-analysis>.

 The FEMA BCA Technical Assistance Helpline is available to provide assistance with FEMA’s BCA software by calling 1-855-540-6744 or via email at BCHelpLine@FEMA.dhs.gov. The FEMA helpline is only to be utilized for technical assistance questions. The FEMA helpline will not verify the accuracy of your BCA.

B. BCA INFORMATION:

Once the BCA is completed, enter information requested below.

1. **NET PRESENT VALUE OF PROJECT BENEFITS:**

2. **TOTAL PROJECT COST ESTIMATE:**

3. **BENEFIT COST RATIO:**

C. ANALYSIS TYPE:

- FLOOD WILDFIRE EXEMPT (5% PROJECTS) EARTHQUAKE

- HURRICANE WIND
 DROUGHT
 PRE-CALCULATED
 LANDSLIDE
 DAMAGE FREQUENCY ASSESSMENT (DFA)

D. ANALYSIS DATE (date BCA was conducted):

E. PROVIDE BCA ELECTRONIC COPIES IN FORMAT DESCRIBED BELOW:

- Provide An electronic copy of the report in the BCA section of the binder and all backup documentation for information used in the BCA.

MAINTENANCE ASSURANCE INFORMATION

18. PROJECT MAINTENANCE INFORMATION:

A. MAINTENANCE ASSURANCE LETTER:

- Using the [Project Maintenance Letter Template](#), identify all maintenance activities required to preserve the long-term mitigation effectiveness of the project.
- Examples of maintenance include inspection of the project, cleaning and grubbing, trash removal, replacement of worn out parts, etc.
 - Attach a maintenance schedule, estimated annual costs, and a signed maintenance commitment letter for the useful life of the project.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP)

19. NFIP INFORMATION:

i CONTACT YOUR COUNTY OR LOCAL FLOODPLAIN ADMINISTRATOR FOR NFIP INFORMATION.

A. NFIP PARTICIPATION:

1. Is the jurisdiction where the project is located participating in the NFIP? YES NO
- a. If yes, are they in good standing? YES NO
- b. If no, explain:

B. PROJECT LOCATION:

1. Is this project located in a floodplain or floodway designated on a FEMA Flood Insurance Rate Map (FIRM)? YES NO
- a. Mark the project location on the FIRM and attach to subapplication in the maps section of the binder.
2. Provide the following information for the location of the project:
- a. FIRM panel number:
- b. FIRM zone designations:
- c. NFIP community ID number:

C. LAST COMMUNITY ASSISTANCE VISIT (CAV) DATE:

ENVIRONMENTAL INFORMATION

20. ENVIRONMENTAL INFORMATION:

A. FEMA ENVIRONMENTAL CHECKLIST:

- Complete the [FEMA Site Information, Environmental Review, and Checklist](#) and attach to the environmental section of the binder. Provide a detailed response to each question. Attach supporting documentation in compliance with [FEMA's frontloading requirements](#).

OTHER

21. OTHER

A. CID Number:

NOTE: If any work is to occur on federal land, you MUST reach out to the federal agency and include a copy of that correspondence with your application.

***FEMA allows 5% of total project cost (federal and non-federal total) for subrecipient management costs reimbursed at 100% (no match required).**

PRINT THIS PAGE – ORIGINAL SIGNATURE IS REQUIRED

PROJECT CONDITIONS

Indicate by checking each box below that you will adhere to these listed project conditions.

- If during implementation of the project, ground-disturbing activities occur and artifacts or human remains are uncovered, all work will cease and FEMA, NV DEM, and the State Historic Preservation Officer (SHPO) will be notified.
- If deviations from the approved scope of work result in design changes, the need for additional ground disturbance, additional removal of vegetation, or will result in any other unanticipated changes to the physical environment, FEMA will be contacted and a re-evaluation under NEPA and other applicable environmental laws will be conducted.
- If wetlands or waters of the U.S. are encountered during implementation of the project, not previously identified during project review, all work will cease and FEMA will be notified.
- Due to the Federally mandated Environmental and Historic Preservation (EHP) review; no construction will occur for this project prior to FEMA and NV DEM approval.

AUTHORIZATION

The undersigned does hereby submit this subapplication for financial assistance in accordance with the Federal Emergency Management Agency's (FEMA) Hazard Mitigation Grant Program (HMGP) and the State Hazard Mitigation Administrative Plan and certifies that the subapplicant (e.g., organization, city, or county) will fulfill all requirements of the program as contained in the program guidelines and that all information contained herein is true and correct to the best of our knowledge.

Subapplicant Authorized Agent

NAME: _____

TITLE: _____

ORGANIZATION: _____

SIGNATURE: _____

DATE: _____

Station(s) LAT and Long:

Reno Fire Station 2 (1987)

Address: 2500 Sutro Street, Reno, NV 89509

Approx. Coordinates: 39.5159° N, -119.8292° W (approx.)

Reno Fire Station 6 (1984)

Address: 3970 Mira Loma Drive, Reno, NV 89502

Approx. Coordinates: 39.5051° N, -119.8567° W (approx.)

Reno Fire Station 10 (1982)

Address: 5250 North Virginia Street, Reno, NV 89506

Approx. Coordinates: 39.5351° N, -119.8121° W (approx.)

Scope of Work – HMGP Critical Facility Generator Replacement – Reno Fire Stations 2, 6, & 10

1. Project Purpose and Mitigation Objective

The City of Reno Fire Department proposes to replace existing standby generators that have exceeded their project useful life (PUL) at Fire Stations 2, 6, and 10. These facilities qualify as critical facilities under FEMA Hazard Mitigation Assistance (HMA) guidance, as they provide continuous fire suppression, emergency medical response, wildland fire response, and disaster coordination services.

The objective of this mitigation project is to eliminate loss of function at these critical facilities during hazard-related power outages caused by wildfire, high wind events, severe winter storms, and related infrastructure disruptions.

2. Engineering and Design

- Conduct detailed electrical load analysis at each station to determine critical load requirements (running and starting loads).
- Prepare generator sizing calculations consistent with NFPA 110 and NEC requirements.
- Develop stamped engineering drawings including electrical one-line diagrams, generator interconnection schematics, site layout plans, and structural pad details.
- Confirm compliance with the National Electrical Code (NEC), NFPA 110, International Building Code (IBC), and ASCE 7 wind load requirements.
- Obtain required local building and electrical permits.

Final construction documents will be signed and sealed by a Nevada-licensed professional engineer prior to construction.

3. Demolition and Decommissioning

- De-energize and disconnect existing generators and associated equipment.
- Remove generators that have exceeded useful life.
- Remove outdated automatic transfer switches and electrical panels as necessary.
- Demolish existing generator pads if structurally inadequate.
- Dispose of equipment and debris at approved facilities.

All demolition will occur within existing developed parcels owned by the City of Reno.

4. Site Preparation and Excavation

- Excavate approximately 18–24 inches for reinforced concrete generator pads.
- Pad dimensions approximately 8 ft x 4 ft (final dimensions dependent on selected generator model).

- Estimated excavation volume: 4–6 cubic yards per station.
- Install compacted aggregate base prior to concrete placement.
- Install conduit trenches approximately 24–36 inches deep and 12–18 inches wide.
- Backfill and compact to pre-construction grade.

No tunneling is proposed. Work is limited to shallow trenching for electrical conduit.

5. Structural Installation

- Construct reinforced concrete pads with embedded anchor bolts.
- Design pads to meet site-specific wind loads in accordance with ASCE 7
- Install grounding systems in compliance with NEC.
- Install sound-attenuated, weatherproof enclosures rated for local environmental conditions.

No structural modifications to the primary station buildings are required beyond electrical integration.

6. Generator Installation and Electrical Integration

- Install three permanently mounted fixed standby generators (estimated 80–150 kW; final sizing based on load study).
- Install automatic transfer switches (ATS) at each facility.
- Install new electrical distribution panels.
- Install dedicated emergency circuits to support apparatus bay doors, communications, lighting, HVAC, IT infrastructure, and equipment charging.
- Connect to fuel supply (natural gas or diesel with on-site tank sized for minimum 48-hour runtime at critical load).

All installations will comply with NEC and local building code requirements.

7. Testing, Commissioning, and Inspection

- Conduct load bank testing.
- Verify ATS automatic functionality.
- Perform full system operational testing under simulated outage conditions.
- Obtain final inspection approvals from local authorities.
- Provide as-built documentation.

8. Site Restoration

- Restore disturbed asphalt, concrete, and landscaping to pre-construction condition.
- Remove temporary staging materials and equipment.
- Complete final site cleanup.

9. Land Acquisition and Easements

No land acquisition, right-of-way acquisition, or access easements are required. All work will occur on existing City-owned fire station properties.

10. Staging and Equipment

Construction staging will occur within existing station parking lots or apparatus yards. No off-site staging areas are required.

Equipment anticipated includes mini-excavator or backhoe, concrete truck, compaction equipment, electrical contractor service vehicles, and load bank testing equipment.

11. Phasing and Continuity of Operations

Work will be phased one station at a time to ensure uninterrupted emergency response capability. Temporary backup power will be available if required during installation.

12. Level of Protection and Mitigation Effectiveness

The installed generators will provide continuous power to critical systems during hazard-related outages. Automatic transfer switches will ensure seamless transition during commercial power failure.

This mitigation action eliminates loss of function at critical emergency facilities, reduces risk to life and property, maintains emergency response capability during wildfire and severe weather events, and provides long-term mitigation consistent with FEMA HMA guidance.

13. Compliance

The project will comply with 44 CFR Part 206 (HMGP regulations), 2 CFR Part 200 (Uniform Administrative Requirements), National Electrical Code, NFPA 110, IBC/IEBC as adopted locally, ASCE 7 wind design standards, and all applicable local building and fire codes.

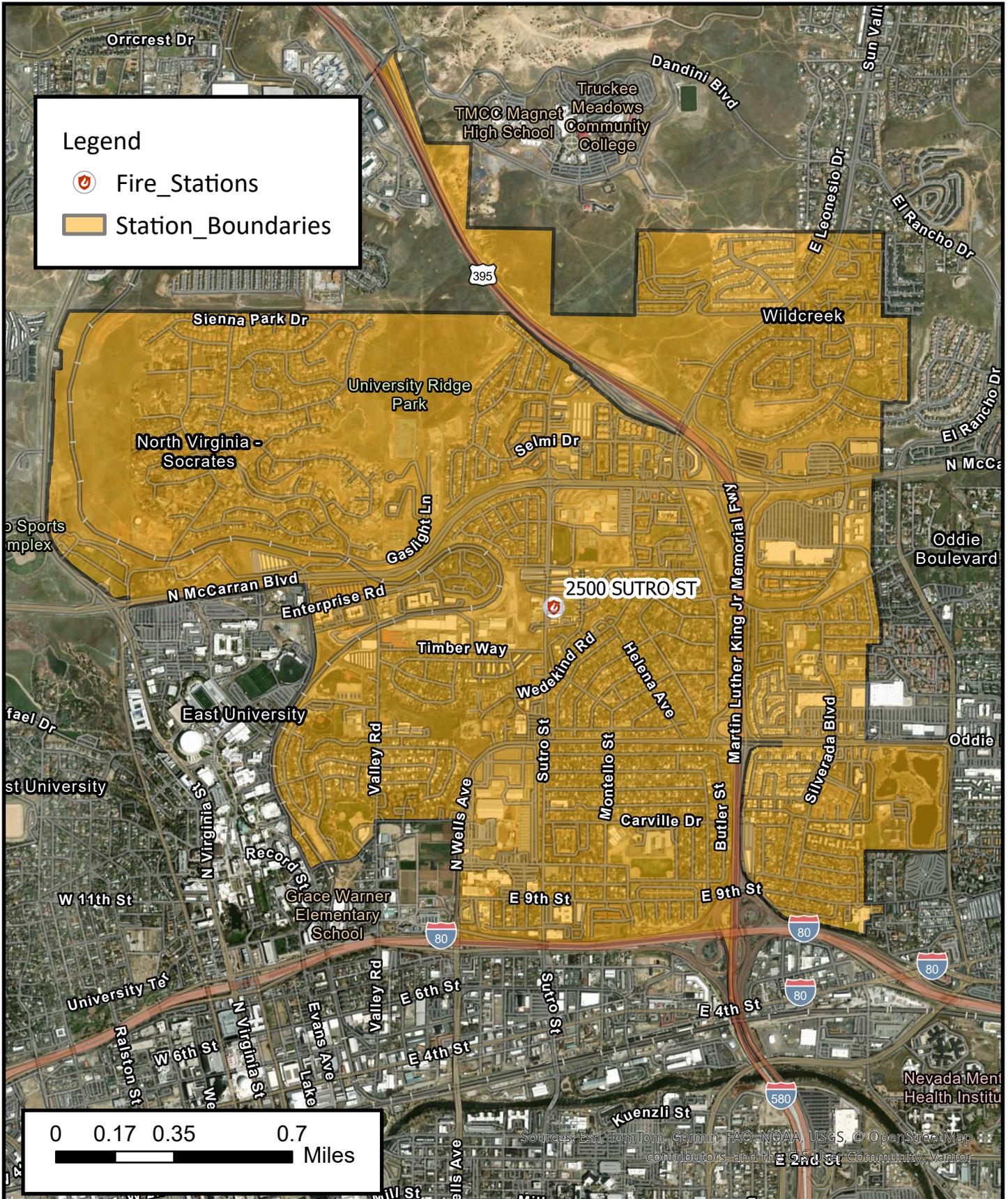
No construction will begin prior to FEMA and NV DEM approval in accordance with Environmental and Historic Preservation (EHP) requirements.

Design Plans

Design plans are not necessary for this project because the work involves replacement of existing standby generator systems at Reno Fire Stations 2, 6, and 10. The project will replace aging generators that have exceeded their useful life with new fixed standby generators, automatic transfer switches, and upgraded electrical distribution components within the existing generator locations at each station.

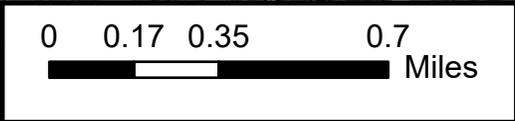
No expansion of the facility footprint, site modifications, or significant ground disturbance is required beyond minor electrical connections associated with the generator replacement. Because the project replaces existing systems in their current locations and does not involve construction of new structures or site development, detailed engineering design plans such as scaled site plans, grading plans, drainage studies, or structural drawings are not necessary at this stage.

If required, manufacturer specifications and standard installation drawings will be provided during the procurement and installation phase.



Legend

-  Fire_Stations
-  Station_Boundaries



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Vantor



City of Reno GIS
Department of
Information Technology
 City Hall, 5th Floor
 E. 1st St., Reno NV 89501

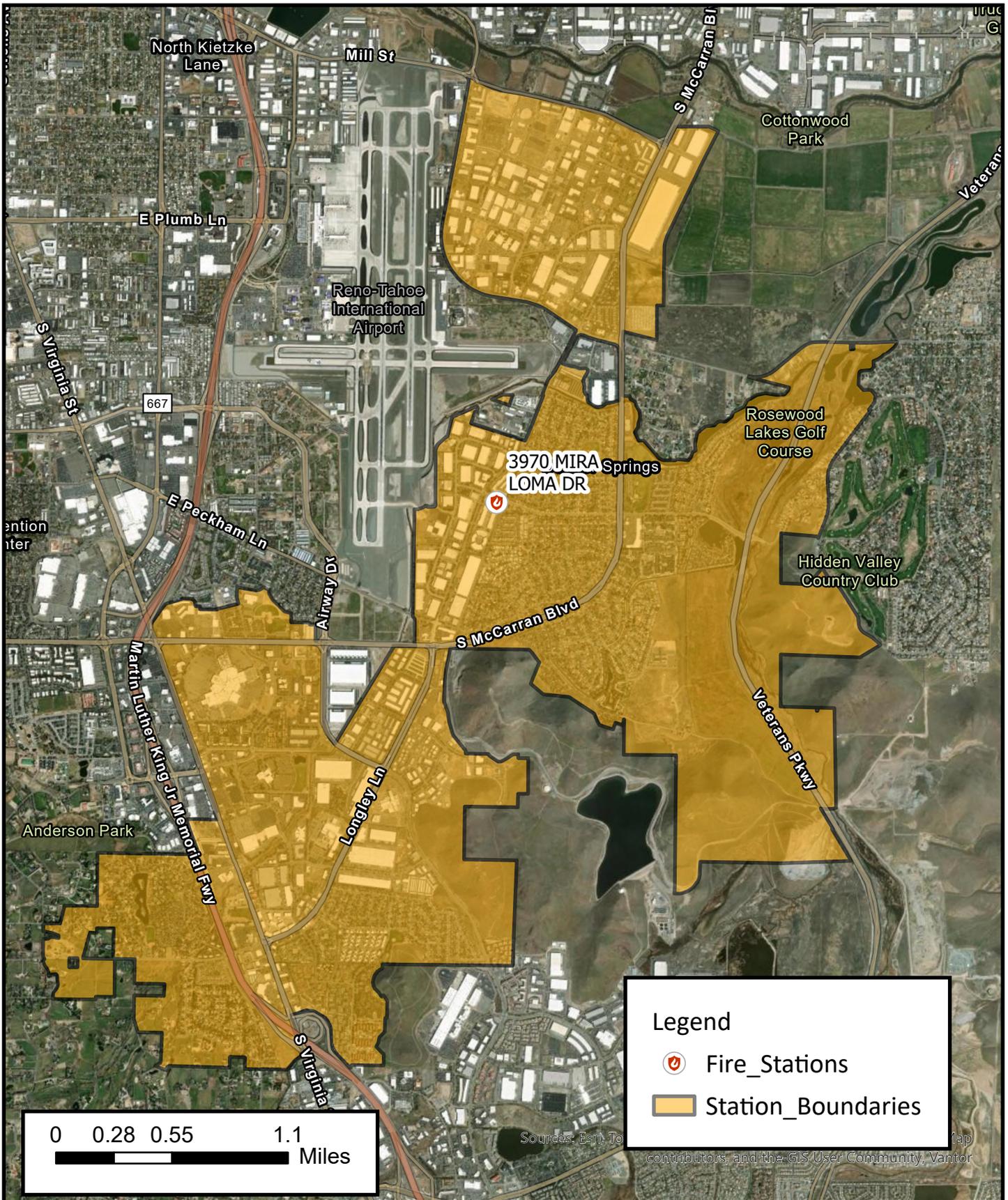
Station 2

2500 SUTRO ST



Jacob Fausett
 City of Reno - GIS
 3/3/2026





Sources: Esri, TomTom, and the GIS User Community, Vantor



City of Reno GIS
Department of
Information Technology
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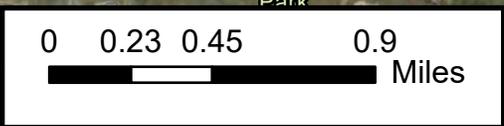
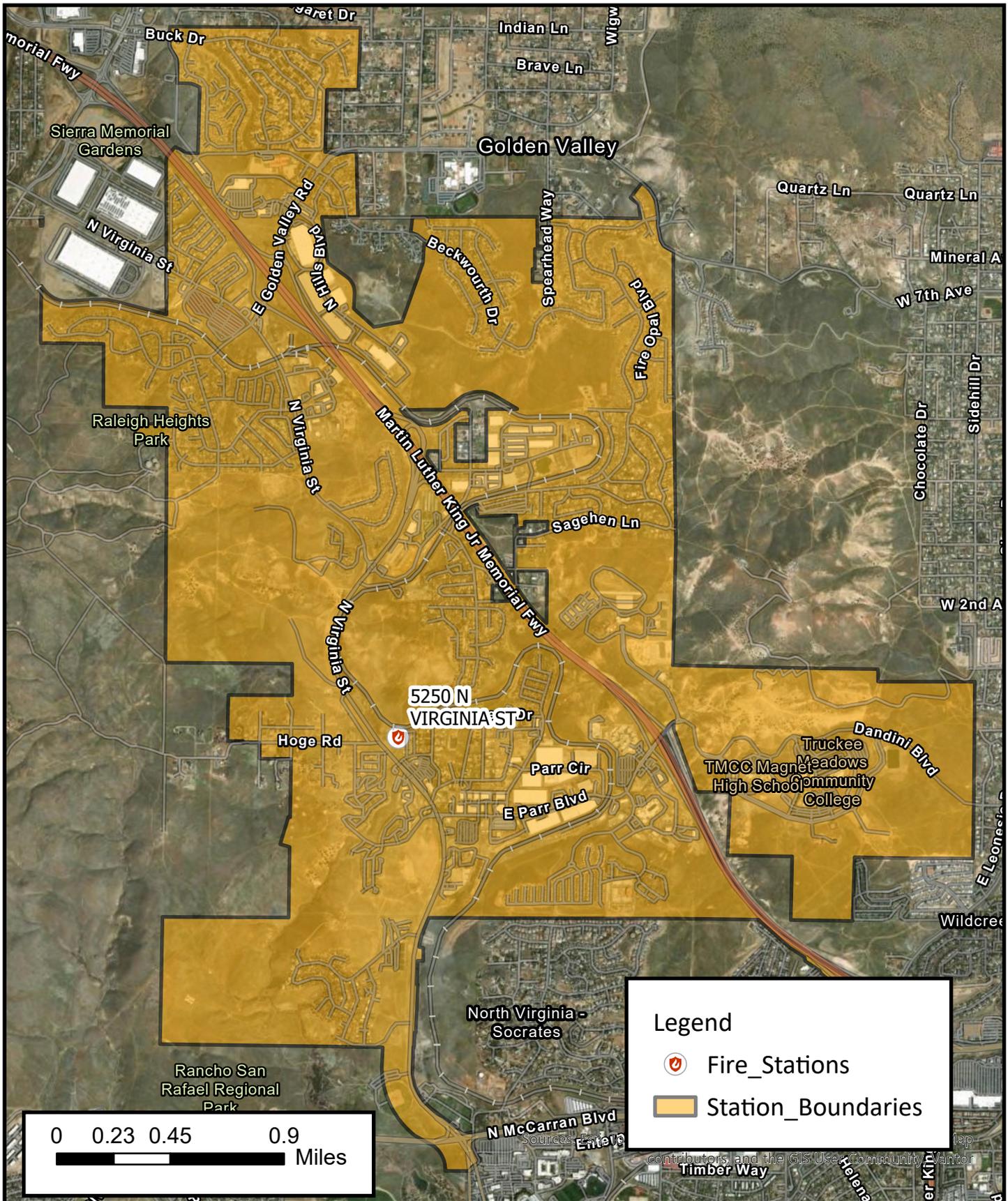
Station 6

3970 MIRA LOMA DR



Jacob Fausett
 City of Reno - GIS
 3/3/2026





Legend

-  Fire_Stations
-  Station_Boundaries



City of Reno GIS
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Information Technology
 City Hall, 5th Floor
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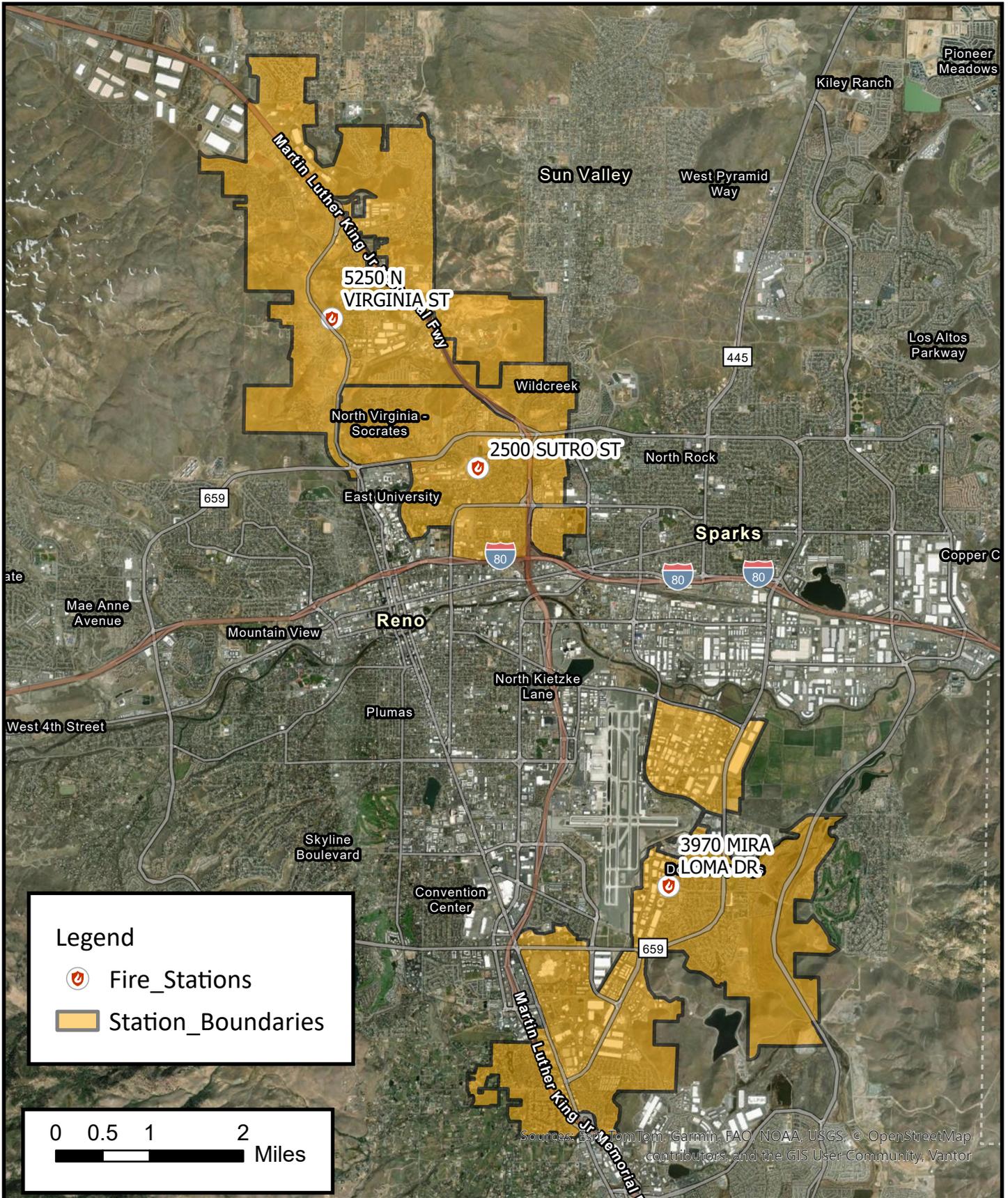
Station 10

5250 N VIRGINIA ST



Jacob Fausett
 City of Reno - GIS
 3/3/2026





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 City Hall, 5th Floor
 E. 1st St., Reno NV 89501

Vicinity Map



Jacob Fausett
 City of Reno - GIS
 3/3/2026



Sutro St

Sutro St

Reno Fire Department





2500

Proteus
ENGINE 2

CITY OF RENO
FIRE STATION 2



Flamingo Vets Pet 3
proof Pet Central

Mac @ Rama
Apple Authorized

Mira Loma Dr

Boynton Ln

FACTORYS
Photo Studio

South Bay Red Cross



FIRE DEPARTMENT
STATION No. 11





Reno Fire Department
Station 18



Hoge Rd



N Virginia St

Ann St

Paul St

Walt St

Emery Dr

Emery Dr

Otto Dr

Reno Sierra Mobile
Homes (South)



Bent's Fine Wine & Spirits







#	DESCRIPTION	TIMEFRAME
1	Engineering & Load Calculations	2 Months
2	Project Scope Review	1 Month
3	RFP	1 Month
4	Contract Award and Approval	1 Month
5	Pad Repair & Excavation (if Needed)	3 Months
6	Generator Procurement & Delivery	3 Months
7	Electrical Panel Installation	3 Months
8	Generator Installation	6 Months
9	Testing & Commissioning	1 Month
10	Site Restoration	1 Month
11	Project Close-out	1 Month
12	STANDARD VALUE (DO NOT CHANGE) – Grant Close-out	3 Months
	TOTAL MONTHS:	26 Months

HMGP Cost Estimate Spreadsheet

DATE	JURISDICTION NAME	DISASTER & PROJECT OR PLANNING #	PROJECT OR PLANNING TITLE		
3/3/2026	Statewide - NV OEM	FM-5546	HMGP Critical Facility Generator Replacement – Reno Fire Stations 2, 6, & 10		
Item	Description	Quantity	Unit	Unit Cost	Cost Estimate Total
1	Fixed standby generators	3	EA	\$ 60,000.00	\$ 180,000.00
2	Electrical panels and distribution upgrades - Contractor Costs	3	EA	\$ 40,000.00	\$ 120,000.00
3				\$	-
4				\$	-
5				\$	-
6				\$	-
7				\$	-
8				\$	-
9				\$	-
10				\$	-
11				\$	-
12				\$	-
13				\$	-
14				\$	-
15				\$	-
16				\$	-
17				\$	-
18				\$	-
19				\$	-
20				\$	-
21				\$	-
22				\$	-
23				\$	-
24				\$	-
25				\$	-
26				\$	-
27				\$	-
28				\$	-
29				\$	-
30				\$	-
31				\$	-
32				\$	-
33				\$	-
34				\$	-
35				\$	-
36				\$	-
37				\$	-
38				\$	-
39				\$	-
40				\$	-
Total Project Cost Estimate:				\$	300,000.00

AC	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
DAY	DAY
EA	EACH
HR	HOUR
LF	LINEAR FOOT
LS	LUMP SUM
MBF	MILLION BOARD FEET
MI	MILE
SEAT	NUMBER OF SEATS
SF	SQUARE FOOT
SQ	UNKNOWN
SY	SQUARE YARD
SY/IN	SQUARE YARD PER INCH
TON	TON
FT	FOOT
IN	INCH

Cost Estimate Narrative

Project Title: Emergency Generator Replacement and Electrical Distribution Upgrades – Reno Fire Stations 2, 6, & 10

Applicant: City of Reno Fire Department

Total Project Cost: \$300,000

Cost Methodology

The cost estimate for this project was developed using current market pricing for commercial standby generators, electrical equipment, and contractor installation costs. Estimates are based on vendor pricing, contractor estimates, and recent comparable municipal generator installations. Costs are presented as unit costs multiplied by quantities in accordance with FEMA Hazard Mitigation Assistance (HMA) program guidance to avoid lump sum estimates.

Project Description

The project will replace three existing backup generators at Reno Fire Stations 2, 6, and 10. The generators being replaced are original to the station construction and are estimated to be approximately 40–50 years old, significantly exceeding their expected service life. The project will install new permanently mounted standby generators, automatic transfer switches, and upgraded electrical distribution systems to ensure continuous emergency response capability during hazard-related power outages.

Cost Breakdown

Generators: Three commercial-grade standby generators will be purchased and installed. The estimated cost is \$60,000 per unit for a total of \$180,000. This cost includes generator units, weatherproof enclosures, and manufacturer-required components.

Electrical Distribution Upgrades: Electrical panels, conduit, wiring, and distribution equipment are required to integrate the generators into each station’s electrical system and provide power to critical circuits. The estimated cost is \$20,000 per station for a total of \$60,000.

Electrical Installation Labor: Licensed electrical contractor labor is required for generator installation, automatic transfer switch installation, electrical connections, testing, and commissioning. The estimated labor cost is \$20,000 per station for a total of \$60,000.

Cost Reasonableness

The proposed costs are consistent with current market rates for commercial standby generator systems and electrical installation for municipal facilities in Northern Nevada. Comparable generator installations at similar public safety facilities were reviewed to confirm the reasonableness of the unit costs used in this estimate.

Consistency with Project Documentation

The total project cost of \$300,000 is consistent across the HMGP Cost Estimate Spreadsheet, the Scope of Work (SOW), the project schedule, and the Benefit-Cost Analysis (BCA). Only costs directly associated with performing the mitigation activity are included. No unrelated facility improvements, remodeling, or concurrent construction costs are included in the project budget.

Cost Share

The total project cost is \$300,000. The federal share requested through the Hazard Mitigation Grant Program (HMGP) is \$225,000 (75%). The remaining \$75,000 (25%) will be provided by the City of Reno General Fund as the required non-federal match.

1 E 1st Street, 4th Floor
Reno, NV 89501
775-334-2300

David Cochran
Fire Chief



P.O. Box 1900
Reno, NV 89505
Reno.Gov/Fire

John Beck
Fire Marshal

**Subject: Match Commitment Letter – Hazard Mitigation Grant Program (HMGP) Project:
Emergency Generator Replacement and Electrical Distribution Upgrades – Reno Fire
Stations 2, 6, & 10**

To Whom It May Concern,

The City of Reno hereby commits to providing the required non-federal cost share for the Hazard Mitigation Grant Program (HMGP) project titled Emergency Generator Replacement and Electrical Distribution Upgrades – Reno Fire Stations 2, 6, and 10.

The total estimated project cost is \$300,000, of which \$225,000 (75%) is requested from FEMA through the HMGP program. The remaining \$75,000 (25%) will be provided by the City of Reno General Fund, which is a local government funding source.

The non-federal match funds will be used to support eligible mitigation activities identified in the project Scope of Work and cost estimate spreadsheet, including generator procurement, electrical system upgrades, and installation labor.

Match Funding Source Information

Funding Source Name: City of Reno General Fund

Funding Type: Local Government Funds

Total Match Amount: \$75,000

Date Funds Available: Available at time of application submission

Date of Match Commitment: If awarded, the date of grant acceptance by City of Reno Council

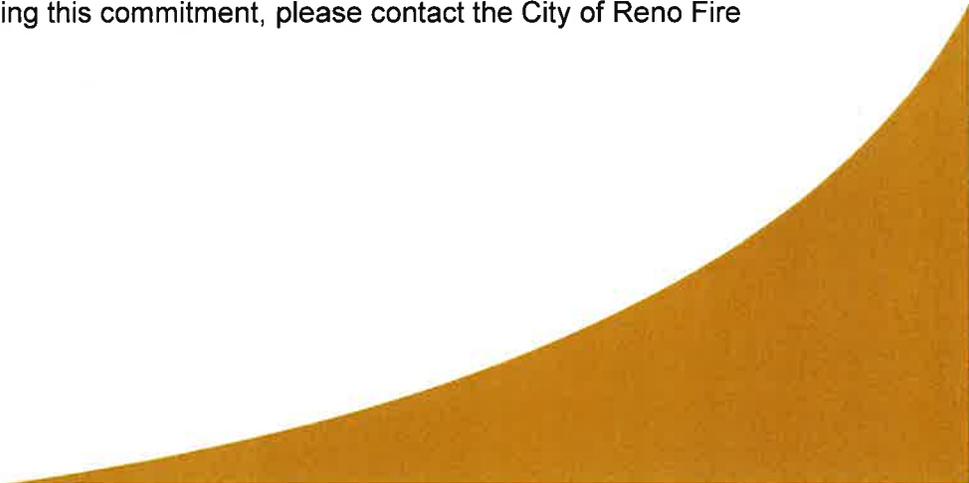
The City of Reno certifies that these funds are available and committed to this project and will be used in accordance with FEMA Hazard Mitigation Assistance program requirements. All matching funds will directly support cost items included in the HMGP Cost Estimate Spreadsheet.

If you have any questions regarding this commitment, please contact the City of Reno Fire Department.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dave Cochran".

Dave Cochran
Fire Chief
Reno Fire Department





Welcome

Benefit-Cost Analysis (BCA) is the method by which the future benefits of a hazard mitigation project are determined and compared to its costs.

The end result is a Benefit-Cost Ratio (BCR), which is calculated by a project's total benefits divided by its total costs.

FEMA requires a BCA to validate cost effectiveness of proposed hazard mitigation projects prior to funding.

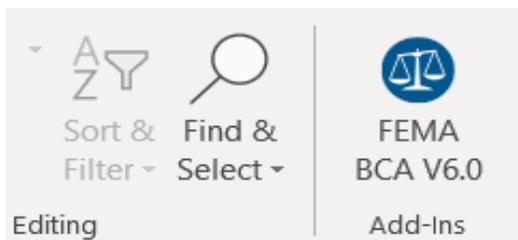
For a community and/or property, this tool will assist with:

- Estimating Annual Hazard Risks
- Evaluating Mitigation Cost Effectiveness
- Developing Aggregate Benefit-Cost Models

For more information, including methodologies of the calculation models used in this tool, visit [FEMA BCA Website](#).

Getting Started

Click on the "BCA Calculator" button on the ribbon bar.



Project Reno Fire Stations 2,6,10 Generator Replacement

Project Cost 300000

Hazard Type Wildfire / Utility Power Failure

Analysis Type Loss of Function - Fire Station

Stations Protected 3

Population 274915

Distance to 3

Outage Rec 5

Average Out 48

Useful Life 20

Annual Maintenance 7500

Assumed A 10%

Expected RBCR > 1.0 expected for critical facility power continuity

CITY OF RENO GRANT PRE-APPLICATION FORM

(Please send completed form in one email to your department head, Calli Wilsey, Mark Stone, and Stephanie Hall)



DATE: _____

DEPARTMENT: _____

PERSON DEVELOPING THE APPLICATION: _____

PERSON WHO WILL MANAGE THE GRANT: _____

AGENCY BEING SUBMITTED TO: _____

GRANT WEBSITE ADDRESS: _____

TYPE OF GRANT:

DATE APPLICATION IS DUE: _____

DATE OF EXPECTED NOTIFICATION: _____

DATES OF PROJECT PERFORMANCE PERIOD: _____

CO-APPLICANTS OR PARTNERS: _____

PROJECT INFORMATION

NAME OF PROJECT: _____

WHICH STRATEGIC PRIORITY PROJECT ADDRESSES: _____

DOES YOUR PROJECT ADDRESS PRIORITIES IN OTHER CITY PLANS (I.E. MASTER PLAN, SUSTAINABILITY AND CLIMATE ACTION PLAN, CAPITAL IMPROVEMENT, ETC.)?

PLEASE EXPLAIN:

HOW WILL THE FUNDS BE USED:

WILL FUNDS BE USED TO SUPPORT EXISTING SERVICES? NO YES

IF NO, WILL GRANT FUNDS BE USED TO ESTABLISH NEW SERVICES OR PROGRAMS?

NO YES

IF YES, WHAT IS THE BENEFIT TO RENO CITIZENS AND/OR THE ORGANIZATION?

HOW WILL THE SERVICE OR PROGRAM BE FUNDED ONCE THE GRANT ENDS?

BUDGET INFORMATION

AMOUNT BEING REQUESTED: _____

PERSONNEL BEING FUNDED? NO YES

NUMBER OF FTE'S: _____

POSITION TITLE: _____

POSITION BARGAINING UNIT: _____

PERCENT COVERED BY GRANT: _____

HOW WILL POSITIONS BE FUNDED AFTER GRANT EXPIRATION: _____

WILL A CONSULTANT BE FUNDED? NO YES

WILL EQUIPMENT BE FUNDED? NO YES

IF YES, WHAT IS THE ESTIMATED COST OF EQUIPMENT: _____

MATCH REQUIREMENT? NO YES

IF YES, PERCENT REQUIRED: _____

AMOUNT OF MATCH: _____

PLEASE PROVIDE HOW THE MATCH IS BEING MET:

- IN-KIND:
- STAFF TIME MEETING SPACE OTHER (SPECIFY) _____
- CASH:

SOURCE: _____

ANY ALLOWANCE FOR ADMINISTRATION? NO YES

PERCENTAGE _____

WILL THIS GRANT REQUIRE ANY ADDITIONAL FUNDS OR RESOURCES NOT IDENTIFIED AS MATCH: _____

PLEASE OBTAIN THE FOLLOWING SIGNATURES IN THE ORDER BELOW:

1. DEPARTMENT DIRECTOR: _____

2. FINANCE DEPARTMENT: _____

3. POLICY & STRATEGY DIRECTOR: _____

Contact: Calli Wilsey, Policy & Strategy Director 223-9294