



City of Barre, Vermont

“Granite Center of the World”

To: All Qualified Vendors

From: Jeff Bergeron, Director of Buildings and Community Services

Date: June 1, 2023

RE: RFP Barre City Hall / Opera House Fire Alarm Monitoring System.

REQUEST FOR PROPOSAL

The City of Barre is seeking proposals for the design and installation of life safety Fire Alarm sensing, detection and notification systems for the City Hall and Opera House.

The Fire Alarm system is to include;

- A code / ADA compliant zoned fire alarm system, carbon monoxide detection system with 2 remote annunciation panels one to be located in the lobby of the opera house and the second will be established by the system at a “to be determined” location. **See page 3, #3.**
- All public activation devices will be equipped with code compliant guarding to prevent accidental or false alarm activations.
- A Voice EVAC system with preprogrammed evacuation messages must be included. Messages will be determined in conjunction with the vendor.
- The Voice EVAC system will also have a remote access station located in the Opera House Lobby
- The Fire Alarm will interface with the City of Barre Master Box system and also will have a Dialer.
- The proposed Fire Alarm system will interface with the current compressor and sprinkler system and provide monitoring for the system.
- The system will have a battery backup, and be will also be supported by the building’s generator unit.
- The proposed system will be designed to interface with the City’s proposed Security system.
- Vendor is responsible for all permits.

- Vendor responsible for the removal of all decommissioned equipment.

The City welcomes proposals from electrical contractors, control/safety systems contractors or joint ventures comprised of professionals from either discipline.

REQUIRED ELEMENTS FOR PROPOSAL

- *State of Vermont TQP Fire Alarm license*
- *Meet all requirements of the State of Vermont Division of Fire Safety*
- *Current Insurance certificate.*
- *Detailed history of previous work on municipal buildings within the State of Vermont and Master Box Alerting systems.*
- *ADA compliant system with specifications of all components proposed to be used.*
- *Specifications on the Voice Evacuation system proposed and its capabilities and upgrades.*
- *Penetrations shall be engineered for use with the specific fire protection system proposed.*
- *All decommissioned equipment must be removed.*
- *Capabilities for the system to be serviced by the proposer and/or other qualified safety systems professionals including but not limited to: updates to the software, computer interfacing, expected service life and warranty period of the proposed systems.*
- *All proposals must include schematic drawings of system components and placements, as well as make provision for review and approval of final engineering plans for the system after selection.*
- *Final inspection and staff training to be scheduled by installer upon completion.*

FIRE ALARM REQUIREMENTS and SPECIFICATIONS

All systems shall be fully compliant with applicable State of Vermont codes for fire and life safety, NFPA Fire Alarm code and ADA requirements. The systems shall be open source and serviceable by all technically qualified electrical contractors. Connection to the Master Fire Alarm Box and supplying of dial-up off site reporting equipment is required.

1) Aesthetically pleasing, and appropriately sized, white strobe lights will be mounted on all four exterior corners of the building to alert first responders. All penetrations will be done to minimize the impact to the aesthetics of the structure and sealed from the elements. The proposed light fixtures will be in accordance with the nature of the structure.

2) A voice announcement system (manual and pre-programmed messaging) designed to instruct all building occupants of the potential hazard(s) and actions required, shall be tied into each of the systems described in items 1 and 3 of this section. Both life safety systems will require connection to the public address system that can provide audible announcements throughout the entire complex in each of its areas for occupancy. There will be a primary location for the voice evacuation located at the main fire alarm panel location and also a secondary panel location located in the Opera House Lobby.

3) The fire detection system shall be installed to provide proper detection and notification for smoke, manual pull station activation and sprinkler flow activations in the facility. The system will include both the fire alarm panel and 2 remote annunciator panels to assist the fire department in providing a rapid effective response. The first remote panel will be located at the front entrance of the first floor of City Hall located outside the Clerk's office. The second will be located in the lobby of the Opera House in conjunction with the voice evacuation system located there.

4) All penetrations made to connect the systems will be kept to a reasonable size needed to accommodate and appropriate methods will be used. All penetration's will be closed and sealed using an approved and appropriate Engineered Fire Stop System. Prior approval of these products will be granted by the City of Barre Fire Marshal using vendor/engineer drawing and cut sheets. These systems will be moisture and mold resistant.

5) Each of these systems will have remote annunciator panels located near/or in conjunction with the Fire Alarm Panel and Master Fire Alarm Box or as determined by the City of Barre Fire Marshal's office.

6) All electrical junction boxes will be colored red and clear mechanical identification labeling of circuits and zones will be made with a commercial labeling devise.

7) A detailed legend will be laminated and posted inside the panel with the detector system showing locations.

ENVIRONMENTAL CONDITIONS

The boiler room poses specific temperature and humidity challenges based on year round uses of a building. All system components shall be fully operable at temperatures as low as -30 F and up to 150 F. The systems shall remain operable for the required period of time during and after power outages according to code and best practice.

NO PENETRATIONS SHALL BE MADE THROUGH ANY OF THE STRUCTURAL COMPONENTS UNLESS APPROVED BY THE CITY OF BARRE AND APPROVED BY THE VENDORS ENGINEER.

PROPOSAL FORMAT

The proposal shall have four specific deliverables as outlined above. The bid will outline the following:

1. Separate pricing associated with the delivery of each subsystem outlined in items (1) through (3) in the Requirements and Specification section above.
2. The proposal must address all 3 required subsystems outlined in items (1) through (3) in the Requirements and Specification section above.
3. A W-9 and insurance certificate must be submitted with your proposal.
4. Any drawings, Sketches, cut sheets or engineering sheets will be submitted with 5 copies, organized for easy review by City Officials.

For purposes of the proposal, please construct all bids/quotes with each of the preceding subsystems (1 thru 3) to be in place as a basic condition for the pricing of each additional features/subsystem that is offered.

Proposals shall include 5 paper copies of all materials including: a description of the services, systems, warranties, and servicing capabilities to include computer interfacing and all other objectives (including relevant code citations) used to guide the proposal, the availability and required schedule for earliest deployment of the subsystems in an ascending order as laid out in the RFP, a portfolio describing the work of the principals to be involved in the design of the system(s) and a list of previous clients that have been served within the past 3 years.

All proposals will have a 90-day window of installation not to interfere with the operation of the City Hall and or the Opera House.

The City intends to approve selection of a provider at the City Council meeting scheduled for **Tuesday, June 27, 2022**. The selected proposer must submit a performance bond for completion of the contract in the amount of their bid prior to commencing work.

Criteria for selection include: track record for manufacturer/suppliers of components, experience and references of firm completing installation, pricing, system features and responsiveness of proposal, schedule for completion and/or firm's record for on-time turnover of system.

SUBMISSION

Proposals may be submitted to: Ms. Roxanne Pike, Executive Assistant to the City Manager at

**City of Barre
City Hall, 6 North Main St. Suite 2
Barre VT 05641**

All envelopes to be marked: Attn: Roxanne Pike (CITY OF BARRE City Hall Safety Systems Proposal)

Proposals must be received no later than **Wednesday, June 21, 2023**. Each proposal will be stamped upon receipt.

SITE VISIT AND PRE-PROPOSAL MEETING

A **MANDATORY** onsite pre-proposal meeting will be held on **Tuesday, June 13, 2023 at 10:00 am**. Proposers that wish to view all areas of the arena and ancillary facilities should plan to attend.

QUESTIONS

For any questions or clarifications on this proposal, please submit them in writing via email to Jeff Bergeron at [**jbergeron@barrecity.org**](mailto:jbergeron@barrecity.org).