

"Serving the Community Since 1947"

LAKE VALLEY FIRE PROTECTION DISTRICT

Brad Zlendick, Fire Chief

Board of Directors

Gary Moore
John Rice
Brian Hogan
Ron Sitton
Leona Allen



October 21, 2021

Sue Hennike
Deputy Chief Administrative Officer
El Dorado County
330 Fair Lane
Placerville, CA 95667

Deputy Chief Administrative Officer Hennike,

On behalf of the Lake Valley Fire Protection District, I would like to request the use of the AB 1600 fees to purchase a Quint fire apparatus. This piece of equipment will be a new addition to the fleet as Lake Valley Fire has never owned nor required this type of apparatus. The current style and size of the residential structures being built within the Fire District have undoubtedly shown the need for progression and purchasing a new class of apparatus.

Currently the funds collected by the County on the District's behalf under AB 1600, total \$422,000. The cost to purchase the Quint is \$1,146,000. Lake Valley would like to use the current amount for the down payment and structure a loan using future AB 1600 fees for the payments. The District will also contribute some money from the general fund to equip the apparatus.

The Quint would be equipped with a 78' aerial ladder allowing firefighter access to the high roofs of the newly built and remodeled homes in the District. The ladder will also have the capability to create an elevated water stream. This is critical in stopping house to house ignition during structure fires. Additionally, the Quint would include advanced life support EMS gear, vehicle extrication equipment, high and low angle rope rescue gear, ice and water rescue equipment and a stokes with a wheel for back country rescues.

Sincerely,

A handwritten signature in blue ink, appearing to be "Brad Zlendick".

Brad Zlendick
Fire Chief

CRITICAL INFRASTRUCTURE

Within the 86 square miles of area that the Lake Valley Fire Protection District (LVFPD) provides coverage, there are numerous components of critical local and regional infrastructure. LVFPD protects three local schools with a gross enrollment of approximately 936 students: Lake Tahoe Environmental Magnet School, Sierra House Elementary School, and Lake Tahoe Preparatory School. Government facilities operated within LVFPD's response area include three United States Postal Service offices, one work center operated by the United States Forest Service, one California Highway Patrol office, and a water treatment facility. There are a number of utilities within the LVFPD coverage area that provide critical services to the local community, including several fuel stations and a telephone exchange. Two major highways, California Route 89 and U.S. Route 50, pass through LVFPD's jurisdiction and contribute to a heightened risk for both hazardous materials incidents and motor vehicle collisions. An annual average daily traffic of 16,900 is reported at the junction of these two roadways. Finally, the local economy is heavily dependent on its seasonal influx of tourists seeking to enjoy the beautiful scenery of Lake Tahoe and the Sierra Nevada Mountains. This population surge, which equates to roughly 15,000 people, is spread among three major ski resorts and a growing number of vacation home rentals.

NEW RISK

Because of its location along Lake Tahoe and the Sierra Nevada Mountains, the Lake Valley Fire Protection District (LVFPD) is seeing an increase in tourism that now amounts to roughly 15,500 new occupants for whom emergency services must be provided. On top of this inherent risk, new construction to meet the demand for tourism introduces operational challenges that the LVFPD is currently not equipped to handle. Massive vacation home rentals (VHRs) in excess of 4,000 square feet and 3-4 stories in height have increasingly been constructed throughout the area. The sheer size of these homes increases the risk of interior fire suppression operations. However, the primary concern with this new risk is that LVFPD does not currently have any apparatus or equipment capable of reaching the rooftops of these structures. Without roof access, the vertical ventilation necessary for safe and effective fire suppression is impossible. Even if LVFPD were able to acquire ground ladders that could reach these rooftops, operating from them would be unacceptably dangerous. Because of high annual snowfall totals, these rooftops are purposely designed at a steep pitch that does not allow for snow accumulation. The only adequate solution to these new risks and the accompanying operational challenges is the use of an aerial apparatus. Unfortunately, the nearest mutual aid aerial apparatus is 10 miles away, does not offer the capability to flow water, and is not maneuverable within the neighborhoods that make up LVFPD's coverage area. As such, the LVFPD is seeking to replace its existing type-1 fire engine with a quint that has been designed to meet these unique fireground needs and allow for safe, efficient, and effective fire suppression operations.

PROJECT DESCRIPTION / BUDGET EXPLANATION

As part of an ongoing risk assessment among department administration and community stakeholders, the Lake Valley Fire Protection District (LVFPD) has identified its most pressing public safety need is the replacement of its 1996 type-1 fire engine. This 25 year old vehicle has consistently failed performance expectations, placing first responders and the public in jeopardy. Due to high annual snowfall totals and the heavy use of road salt, this apparatus has experienced major corrosion of its fundamental components, including the vehicle frame. Likewise, corrosion has caused past failure of the pump that was luckily serviceable. Given its age a number of the vital components for this apparatus are obsolete and no longer in production, including the steering axle and front brakes. Because of this, the fire engine is one mechanical failure away from being taken out of service permanently; even without this inevitable last straw, the engine is unsafe for continued use and must be removed from the fire service. The poor condition of this apparatus has undoubtedly created a public safety hazard that compromises the standard of emergency services delivered to LVFPD residents and imperils first responders.

In addition to the clear safety concerns posed by the current fire engine, LVFPD is facing new risks that calls for innovative changes. The construction of massive vacation home rentals in this tourist-heavy area has introduced new complexities as LVFPD personnel adapt to fighting fires in structures that are 4,000 square-feet or more, 3-4 stories tall, and have steep roof designs to prevent snow accumulation. The current LVFPD arsenal of vehicles and equipment contains nothing capable of achieving vertical ventilation on structures of this size, which poses an operational risk to firefighter and occupant safety, while also contributing to higher property value losses. The nearest mutual aid aerial apparatus is 10 miles away, does not offer the capability to flow water, and is not maneuverable within the neighborhoods that make up LVFPD's coverage area. Each of these facts contributed to the recent recommendation by Insurance Services Office (ISO) that LVFPD acquire some form of aerial apparatus.

As such, LVFPD has been working diligently with firefighters, mechanical staff, and fire service manufacturers to design an apparatus that would replace its existing unsafe fire engine while also addressing new risks faced by the department. The LVFPD is requesting reimbursement of its AB1600 funding for the acquisition of a new NFPA 1901 compliant quint in order to maintain continuity of operations for its existing and developing missions. This apparatus would seat four personnel and include a 78 foot straight-stick ladder with a pre-plumbed elevated stream, 500 gallon water tank, 1500 gallon per minute pump, and 30 gallon piped-in foam capacity. In addition, this innovative replacement apparatus would maintain existing department capabilities by including space for up to 1000 feet of 5-inch hose and a full complement of ground ladders. This proposal offers a viable option for LVFPD to replace its existing unsafe fire engine and also address new community risks, all while prioritizing safety and functionality in an effort to protect both firefighters and the public.

STATEMENT OF EFFECT

From an operational standpoint, this apparatus is a multifunctional tool that meets the existing capabilities of the department's type-1 fire engines and also introduces the additional functionality of an aerial apparatus. The consolidation of these critical fireground needs into a single apparatus reduces the cost, staffing, and response time necessary to provide sufficient service within the LVFPD coverage area. Further, this project facilitates scene access for emergencies that occur in tightly organized neighborhoods that experience significant snowfall, and thus are often inaccessible to full-sized aerial apparatus from mutual aid departments.

Finally, this new apparatus would make it possible for LVFPD personnel to perform vertical ventilation on massive vacation home rentals being constructed within the district. The department currently possesses no apparatus or equipment capable of performing this vital job function. Without coordinated ventilation, personnel operating interior on working fires are unduly exposed to added heat and smoke that could otherwise be released from the structure. Likewise, the inability to perform this ventilation leads to prolonged fire suppression efforts that negatively impact the risk to life and property loss. It is absolutely critical that LVFPD acquire an apparatus capable of ventilating these new, high risk structures.



October 18, 2021

Lake Valley Fire Protection District
2211 Keetak Street
South Lake Tahoe, Ca. 96150

Attention: Chief Zlendick;

Thank you for the opportunity to propose the following Rosenbauer custom fire apparatus:

One (1) Rosenbauer EXT 78' Viper Aerial Rosenbauer Commander Chassis

	BASE PRICE	\$400,000.00 DOWN PAYMENT TIME OF ORDER
Body Price	\$ 485,443.00	\$ 485,443.00
Aerial Price	\$ 219,623.00	\$ 219,623.00
Chassis Price	\$ 366,534.00	\$ 366,534.00
Loyalty Discount	(\$ 10,000.00)	(\$ 10,000.00)
Down Payment Discount	-----	(\$ -19,094.00)
Delivery (Non-taxable)	\$ 7,066.00	\$ 7,066.00
CA State Sales tax (7.25%)	\$ 76,966.00	\$ 75,581.69
	\$1,145,632.00	\$1,125,153.69

Included in above price:

- Delivery, 395 days after receipt of order
- Pre-Con at Factory (3) Fire Department
- Mid-Point at Factory (3) Fire Department
- Final Delivery at Factory (3) Fire Department
- Delivery, FD Headquarters
- Familiarization (1) Day
- Sourcewell Consortium
- Contingency Fund, Equipment Mounting \$15,000.00

Chassis Pre-Pay Discount when Chassis is Completed: **Deduct \$14,078.00** Note: This amount is applied to the down payment discount.

Terms - payment due upon acceptance, net 15 days.

Pricing as quoted above is valid for 30 days.

Thank you again for this opportunity to work with the Lake Valley Fire Protection District, if you have any questions regarding the above proposal, please contact me at (209) 765-6971 or at john@burtonfire.com

Sincerely,

South Dakota Division
100 Third Street
Lyons, SD 57041
605-543-5591
605-543-9701 Fax
E-mail: sales@rosenbaueramerica.com

Minnesota Division
5181 260th Street
P.O. Box 549
Wyoming, MN 55092
651-462-1000
651-462-1700 Fax
E-mail: sales@rosenbaueramerica.com

Aerial Division
870 South Broad Street
Fremont, NE 68025
402-721-7622
402-721-7622 Fax
E-mail: sales@rosenbaueramerica.com