

The proposed shooting range is to include a 25-yard, 50-yard and 100-yard ranges with action targets to accommodate quarterly qualifying as well as specialized SWAT training. The ceiling height of the shooting range would be large enough to accommodate the construction of training structures using portable walls and for access of police vehicle to simulate real-life scenarios. Other portions of law enforcement training and shooting range would utilize virtual reality technology to put law enforcement personnel through multiple scenarios in a limited space and cost.

- **Residential Burn House Venue:** Proposed is a two-story block construction burn house laid out as a modern single-family home including kitchen burn props, a bed burn prop, and a vehicle burn prop in the attached garage. The structure will utilize construction features and technology that will allow firefighters to realistically simulate a structure fire utilizing smoke machines, propane-fueled fire props, and sound effects. The structure will have training features/props built in to facilitate easy, low cost training opportunities for multiple training purposes. Some of these include props that allow firefighters to train on pulling down ceilings or venting the roof of a structure. By simply replacing sections of wallboard or roofing materials into props, allows quick and easy transition for additional firefighters to test on the same prop.

This structure also offers law enforcement personnel to train on search and rescue, breaching doors and walls, use of canine officers in police operations, and with SWAT Team operations utilizing sound effects, smoke, and changeable interior wall systems. The training venue will allow us to create realistic flashover situations in a safe environment to train firefighters to recognize and react to life-threatening situations that they will run into on any given structure fire.

- **Commercial Training Tower and Apartment Venue:** Similar to the two-story burn house, the facility is proposed to include a five-story training tower and an attached two-story apartment complex building. The focus is to provide public safety first responders with realistic venues to train on to build their response skills, to test their critical incident planning and response, and to prepare for terrorist-related incidents.

The structures will be designed for firefighters to train for proper fire attack utilizing training features/props built-in to facilitate easy, low cost training opportunities for multiple training purposes. Some of these include moveable interior walls that facilitate creating varying room configurations within a few minutes, and breaching or ceiling pull-down props that allow for quick replacement of pre-cut plywood or wallboard sections for re-use. The structure will also include smoke and sound effects to simulate realistic conditions during fire attack and/or rescue training. Similar to the residential burn house venue, this structure will also allow us to create realistic flashover situations in a safe environment and to participate in training related to structures that are taller than single story buildings, such as elevator training and rappelling.

This same apartment complex venue will be used by law enforcement personnel for police response, SWAT, and canine officer training. Additionally, the structures can be used to law enforcement rappelling training. Both law enforcement and fire first responders will use this multi-level structure venue for terrorism response training.

- **Confined Space Rescue Training Venue:** Proposed is an above-ground/below-ground confined space rescue training area. This venue will allow firefighters and public utilities personnel to operate in realistic conditions while training on rescue operations within a confined space. This venue would be available for use by public works, water treatment, wastewater treatment personnel, who are required to train for operating within and responding to rescue response within the confined space areas of underground distribution lines, treatment plant facilities, and underground public works projects. Personnel from CalTrans, Department of Water Resources, and other related organization will be potential public and private stakeholders who will utilize the

facility for the training of their personnel. Additionally, the confined space rescue venue will be used by the law enforcement agencies for canine officer search training, as well as SWAT training.

- **HazMat Training Venue:** The Yuba City Fire Department is hosting one of the State's twelve Type II HazMat Response Vehicles, on behalf of the Yuba-Sutter HazMat Response Team. This vehicle will be used to respond to hazardous materials incidents within the bi-county area, but it is available to be deployed to any HazMat transportation-related accident or other incident anywhere within the State of California. Additionally, the Yuba-Sutter regional HazMat team trains with the other three regional HazMat teams that operate within State LEPC-Region 3 area, being the Shasta-Cascade HazMat Response Team (Lassen, Modoc, Shasta, Siskiyou, Tehama & Trinity Counties), Butte County HazMat (Butte County only), & Susanville HazMat. With the closure of the Butte College HazMat training site, there is no training facility within Region 3 where HazMat teams can train on hazardous materials in solid, liquid, and gas forms in a safe environment. The regional HazMat teams work with the Union Pacific Railroad and the Burlington Northern Santa Fe Railroad to participate in rail tank car training, when the railroads bring their rail training tank cars through the region. Unfortunately, the rail training tank cars only cycle through the region every 2-3 years. Besides the four regional HazMat teams operating within Region 3, individual fire agencies require annual HazMat awareness and operational training to maintain their response readiness and capability. Fire agencies in the region would be able to use the facility with realistic rail tank car and fuel truck props.
- **Vehicle Extrication Equipment Training:** The proposed training site will include an area for vehicle extrication training. Maintaining first responders' vehicle extrication skills is extremely important for individuals involved in a vehicle accident. Competency in using extrication equipment and the ability to get the trapped motorist out of the vehicle quickly and safely is important for their health and a successful outcome.

For example, over the last three years, California Office of Traffic Safety (OTS) rankings indicate that Yuba City is in the top 7% of the 102 similarly sized communities for total fatal and injury-related collisions (3-year average of 366/year) and for speed-related collisions (3-year average of 73/year). Many of these collisions required extrication equipment to be deployed to remove the injured parties and to facilitate their medical attention. As stated, Yuba City Fire and the other fire agencies in the Yuba-Sutter region respond to numerous calls for mutual aid on vehicle accidents on portions of State Highways 20, 99, 65, 70, and 113. Vehicle accidents on these highways are usually high-speed, multi-vehicle, and multi-casualty incidents, which overwhelm our smaller adjacent fire agencies.

Additionally, the above referenced State highways handle intra-community, intra-State, and inter-State truck transportation, as well as passenger carriers like the Greyhound Bus service. There are also numerous Indian casinos and hotels in nearby Colusa, Tehama, and Butte Counties that bus clients into their facilities. An incident occurred in October 2013, where a Colusa-bound casino bus went off the road and into a ditch with 44 people on board. The accident killed 11 people. To provide mutual aid, Yuba-Sutter fire crews drove 35 miles one-way to provide extrication and BLS medical response for the dead and injured as part of the regional MCI response.

- **Wildland Fire Training Certification:** Annual training and certification for wildland fire response is required for fire department strike team leaders and crews who will be deployed statewide to respond to wildland fires. Over the past few years, the State has been overwhelmed by the increasing number of wildfires and the loss of life and property damage they have caused. Wildfires in Santa Rosa, Loma Rica, Redding, and Paradise are only the most recent of devastating wildfires that plague our State and, in particular, our region. Firefighter personnel are to receive annual training to qualify to participate in wildland strike team assignments. We strive to have our personnel receive dozens of hours of wildland-related training, as do other regional fire agencies.

The annual courses include Driver Training on & off Road, Wildland Pump Operations, Radio Operations, Wildland Fire Equipment, Firefighter Safety, Fire Shelters Classroom/Fire Shelter Hands-on, Fire Behavior, Fire Weather, Hose Lays/Hand Line Construction/Mobile Attack, Wildland Tactics & Strategy, Wildland Urban Interface, ICS-100, ICS-200 or 1-700, ICS-300 and ICS-400. There are other State Fire Marshal courses (5190 and 5290) that firefighters are required to complete. Additional wildland course work are required for those individuals who participate as Strike Team Leaders and Assistant Safety Officers.

The Yuba-Sutter area has individuals who are certified instructors, but it does not have a facility that can accommodate all of the classroom, hands-on, and manipulative portions of the wildland fire training courses in one location. Our goal is to make the North State Training and Emergency Operations Center a certified State wildland fire training site to serve all Northern California counties.

As Fire Season has become an all-year threat, and the intensity, erratic fire behavior, and threat to life and property are intensifying (as experienced with the fires of 2018), preparing our region's firefighters for deployment to wildland fires in the wildland-urban interface areas of our region and the State is essential. Wildland training is essential for the quick mitigation of the fire threat, minimizing the loss of life and property damage, but most importantly, to provide the training and skills necessary for protect the lives of our region's firefighting personnel.

- **Emergency Management Training & Remote Training in Classroom/EOC:**

The proposed training site will include a large multi-purpose classroom that will serve as training classrooms as well as a co-located Yuba City and Sutter County Emergency Operations Centers (EOC). The City and County will each have their own EOC on site, and will be located across the hall from each other separated by a conference room. Expansion of the current EOC creates a private and secure staging grounds and communications unit for appropriate agencies during regional incidents. The building will be built above grade level to provide for sustainability in the event of localized flooding.

- o **Sand Table/Simtable Training**

The proposed North State Training and Emergency Operations Center will include a sand table/Simtable training venue for North State first responders and emergency managers to enhance their disaster management and response skills to better respond to incidents within their jurisdiction and region.

Sand tables have been used for military planning and war-gaming for many years as a field expedient, small-scale map, and in training for military actions. The use of sand tables increasingly fell out of favor with improved maps, aerial and satellite photography, and later, with digital terrain simulations. More modern sand tables have incorporated new technology and augmented reality, such as Simtable. Today, virtual reality and conventional sand tables are used in operations training. The combination of sand table learning and Simtable 3-D technology create a tactical decision tool that employs a three-dimensional terrain model made from sand and various props to provide a visual representation of the situation described in the tactical decision game.

Simtable is a 3-D interactive simulator software that brings a sand table exercise to life. Simtable training combines readily available and relatively inexpensive commercial off-the-shelf technology to upgrade one of the battlefield's oldest tools to a modern-day, technical version. Current sand tables serve as a miniature 3-D mapping system used for military planning and war games, wildfire progression management, hazardous materials incident response, and flood operational management. The military has found that the sand table/augmented reality training provides a faster and more robust capability to visualize those areas of operation and can give more detail and a more precise replication of a given

area. CAL FIRE has utilized Simtable in their analysis of fire progression with the recent Pawnee Fire (Clearlake/Lake County) and the Camp Fire (Paradise/Butte County).

Simtable allows the integration of an organization's Geographic Information Systems (GIS) for use in simulation and planning applications. Simtable coordinates updates of data and allows instant real-time changes of maps and topography.

Simtable provides first responders with the ability to explore and visualize complex scenarios involving physical and social phenomena. These simulation models benefit emergency management teams in pre-incident planning, preparation, and aid in communications with stakeholders and community members. It creates custom simulations based on data for wildland fire, storms, dam breaches, flooding, hazardous materials incidents, and evacuations in a community. Simtable offers real solutions for interagency planning, training and education for emergency management incidents.

o **Training Classroom**

The proposed venue would have multiple large training rooms that would include audio-visual technology (Smart board, video conferencing/recording, and display areas), kitchen facilities, restrooms/showers, storage rooms, etc. The large rooms will have the capability of being separated into additional rooms to accommodate smaller classes or breakout areas. The building will have video conferencing capabilities so we can participate in and take advantage of off-site training programs provided by CSTI/Cal OES, DHS/FEMA, DOJ, Texas A&M Engineering Extension Service (TEEX) and others remotely. Taking advantage of existing training program opportunities is a cost-effective way of bringing much needed training into our region. It is our intent to tie the classroom to the training grounds by video so hands-on training exercises can be recorded and then critiqued in the classroom to provide real-life, real-time feedback and suggestions to the region's firefighters and law enforcement officers.

The proposed training classrooms will be a focal point for the training center for providing emergency management, fire, law enforcement, and hazardous materials response courses within to those within the North State. This will reduce local and regional first responders' costs that are currently incurred when sending personnel to out-of-the region training classes in the form of overtime/backfill, travel, logistics and per diem costs. This training classroom facility will provide a solution to concerns consistently conveyed North State first responder agencies that these important trainings need to be delivered within the region. The classroom and training facility would also be available for Yuba College public safety courses.

o **Yuba City and Sutter County Emergency Operations Centers (EOC)**

Currently, during a time of emergency or disaster, Yuba City and Sutter County operate out of two separate emergency operations centers (EOC). The County of Sutter operates its EOC at the Sutter County Fire Department Station No.6 in the town of Sutter, 15 miles west of Yuba City, at the foot of the Sutter Buttes. Yuba City, on the other hand, operates its EOC at Yuba City Fire Station No.4, located at 150 Ohleyer Road, on the west side of the community. The Sutter County EOC is too small to accommodate County emergency management operations and would serve as an alternate site to the new proposed primary location. The Yuba City EOC is laid out to provide space for local cooperating agencies, such as Yuba City Unified School District, Levee Districts #1 and #9, Bi-County Ambulance.

Yuba City and Sutter County elected officials and emergency managers are proposing to utilize the proposed venue for two jurisdictional EOCs operating out of the same location but in separate rooms during times of local emergency or disaster. A conference room will sit in between to serve as a place to

hold multi-agency coordination meetings during times of disaster. This would maximize coordination of emergency management decision-making and actions across governmental and non-governmental agencies, public information releases, resource allocation and personnel deployment, communications, and strategic planning. We can operate independently, but our proximity to each other will maximize information flow and sharing, effective coordination of response decisions and plan implementation, and assuring effective communications amongst governmental and non-governmental responding agencies and the public at-large. We believe that this would be the first ever joint City and County EOC operating out of the same building in the State. It maximizes decision-making, communications, coordination, and functionality for the sake of response and the public we serve. Additionally, we will use this opportunity to continue to cross train EOC personnel in both jurisdictions to be able to provide mutual aid to each other in traditional EOC roles.

The expansion of the current EOC creates a private and secure staging grounds and communications unit for appropriate agencies during regional incidents. Having the proper space and equipment at a permanent location allows for more agencies to effectively coordinate during these incidents. For large regional incidents, such as the recent Camp Fire, this facility could accommodate use by CAL FIRE or Cal OES to coordinate the incident or an operational portion of their response.

The EOC facility will host training in SEMS/NIMS courses, incident command system, public information officer/joint information center (JIC), communications, EOC management and operations, and specialized emergency response training, such a debris removal, and disaster recovery issues, such as documentation and reimbursement process. Cities, counties, schools, hospitals and health departments and special districts have a tremendous turnover in personnel, so keeping these emergency managers trained and ready to respond is important in the safety and fiscal viability of our region's communities.

- **Helipad**

The North State Training and Emergency Operations Center would include a designated helipad for first responders to train with medical helicopter flight crews, paramedics, and flight nurses on proper procedures for transferring accident victims from an incident scene to a medical air ambulance. First responders and air ambulance crews will train on a variety of emergency medical scenarios involving safety aspects of landing an air ambulance, tending to the transfer of a victim from the accident scene to air ambulance, and proper procedures for transferring care of the victim from ground first responders to air crew first responders.

In addition, having a pre-designated helipad site within a secured facility will enhance the safety for first responders and the patient. Landing a helicopter on a highway, field or school facility can create unsafe conditions for the patient, for responders, flight crew and the helicopter itself due to unknown conditions. The potential for flying debris during the landing and take-off, as well as the potential for the aircraft to sink into or sustain damage due to landing conditions can take the air ambulance out of commission for inspection and repairs. Landing on a highway creates the problem of coordinating the closure of roadways and the re-routing of traffic, and there is always the potential of the aircraft to clip a power line. Providing a dedicated helipad with adequate lighting will improve safety within the greater Yuba City Urban Area and allow for various agencies to fly in during the use of the EOC in a regional incident. The proposed helipad could be utilized for training by public air-crew first responders, such as CAL FIRE out of Grass Valley or Tehama County, or California Highway Patrol helicopter crews, or by private medical air ambulance companies such as REACH, Cal Star or H20, which operate within the region.

PARTICIPANTS AND STAKEHOLDERS

The City of Yuba City Fire Department, in conjunction with State Senator Jim Nielsen, is the lead agency coordinating the proposed North State Training and Emergency Operations Center project. Sutter County public safety and emergency management agencies are key stakeholders in this endeavor. Other Yuba-Sutter public safety agencies have joined us in this important regional project as they acknowledge the need for the facility and the training and operational benefits such a facility will bring to their agency personnel, operations, and to the community. In looking at the venues of the proposed facility, we have attempted to identify the potential future participating agencies that will use the facility and who will become stakeholders in the project. They are as follows:

Fire Training

Cal OES	North State Fire Agencies
CSTI	Yuba City Fire Prevention Academy
Beale AFB Fire Department	North Valley Animal Disaster Group
Yuba College Fire Academy	Community Emergency Response Team (CERT)
Sutter Co. Arson Task Force	Yuba-Sutter Domestic Animal Disaster Assistance
Sac-Sierra Arson Task Force	Regional Domestic Animal Disaster Assistance Groups

Law Enforcement Training & Shooting Range

CHP	Department of Fish & Wildlife
FBI	Office of Spill Prevention & Response (OSPR)
CSTI	Alcohol, Tobacco & Firearms (ATF)
POST	North State Law Enforcement Agencies
K-9 Officers	Federal Transportation Security Administration (TSA)
Yuba College Law Academy	

Confined Space Rescue Training

North State Fire Agencies	North State Law Enforcement Agencies
North State Public Works Agencies	

HazMat Training & Props

Cal OES	North State Fire Agencies
CSTI	Regional HazMat Response Teams
Private Trainers	Regional Law Enforcement Narcotics Teams

Two-story Burn House & Training Tower

Cal OES	North State Fire Agencies
CSTI	Office of the State Fire Marshal
Private Trainers	

Vehicle Extrication Equipment Training

North State Fire Agencies

Wildland Fire Training Certification Classes

North State Fire Agencies	California Conservation Corps
National Forest Service	

Emergency Management Training & Remote Training in Classroom/EOC

Cal OES	Office of Spill Prevention & Response (OSPR)
CHP	North State Emergency Managers
CSTI	Central California Intelligence Center
Beale Air Force Base	Department of Homeland Security
North State First Responders	Federal Emergency Management Agency
Office of the State Fire Marshal	Alcohol, Tobacco & Firearms (ATF)
Department of Water Resources	Private Sector Training Organizations
Department of Fish & Wildlife	Texas A&M Engineering Extension Service (TEEX)

Flood Fighting Training

Due to the historic threat of flooding within the North State, the North State Training and Emergency Operations Center will host training related to the management of flood threats including emergency flood fighting methods used in mitigating endangered levees and river embankments caused by seepage, boils, or erosion.

Police Officer Motorcycle & Vehicle Driver Testing Area

The proposed North State Training and Emergency Operations Center will accommodate motor officer training within the facility's interior streets and on a large concrete area in the southeast portion of the facility. North State law enforcement agencies will be able to utilize the facility for motor officer training. Local Yuba-Sutter area public works agencies will be able to conduct orientation and hands-on training for qualifying their personnel for Class C licenses in order for them to operate heavy equipment as part of their employment.

Besides the potential users of the proposed North State Training and Emergency Operations Center, we anticipate reaching out to area and regional stakeholders who will play an active role in the scheduling and delivery of training at the facility. These agencies and organizations are as follows:

California Specialized Training Institute	California State Fire Marshal
Cal OES	Department of Water Resources
Texas A&M Engineering Extension Service	Department of Fish & Wildlife (DFW)
DFW-Office of Spill Prevention & Response	Department of Homeland Security/FEMA
California Highway Patrol	Central California Intelligence Center
California Conservation Corps	National Forest Service
Beale Air Force Base	Alcohol, Tobacco & Firearms
Caltrans	
Feather River Air Quality Management District (FRAQMD)	
California Firefighter Joint Apprenticeship Committee	

The facility may also be utilized to provide disaster preparedness training to community volunteer organizations, such as Community Emergency Response Team (CERT), Yuba-Sutter Domestic Animal Disaster Assistance, and similar organizations, to receive training and maintain response readiness and certifications.

COST

Based upon the current proposed site plan of development for the proposed North State Training and Emergency Operations Center evaluation of recent comparable public safety training centers and related classroom/emergency operations facilities, we are estimating a construction cost of \$15 million+ to build the facility, depending upon final design and features, which are in the process of being finalized.

GOVERNANCE, MAINTENANCE, AND OPERATION OF THE FACILITY

At this early stage in the planning of the North State Training Center, it is proposed that a Joint Powers Agreement (JPA) be formed for the purpose of developing, building, managing, operating, maintaining, and programming training at this regional training facility.

Lead agency

The City of Yuba City will be the lead agency on this project with Yuba City Fire and Police being permanent members of the Governing Board in recognition of the subject facility being on property owned by the City of Yuba City. Yuba City will be responsible for coordinating the use, maintenance, and the scheduling of the facility. The City of Yuba City will provide a portion of a fire and police personnel to coordinate the use of the facility.

Governing Board

A Governing Board shall be composed of 7 members who shall be selected from agencies who are signatory to the JPA. Their role will be to plan for, develop, finance, acquire, construct, maintain, repair, manage, operate, and control training and education resources on behalf of the North State Training Center. The Governing Board will develop and implement a fee schedule for the use of the facility.

Funding

Funding for ongoing maintenance and operations of the North State Training Center will be generated by fees charged to those agencies wishing to utilize the facility. It is believed that participating agencies who will use the facility fall into two groups: an agency that will plan to utilize the North State Training Center as a key part of their training and ongoing certification process AND those agencies that will send their personnel to the facility on the basis of specific training courses being offered.

Agencies will be able to choose to pay an annual fee or daily facility use fees. If an agency chooses to pay an annual use fee, they would be entitled to use the facility for training throughout the year. All fees generated shall go toward the maintenance and operation of the North State Training Center.

Operational Advisory Group

An Operational Advisory Group shall consist of training officers from participating fire, law enforcement, and public works agencies to advise the Governing Board on programming, facility enhancements, and related matters to improve the effectiveness, efficiency, and outreach of the North State Training Center.