



**County Fire Department
COUNTY OF TULARE
AGENDA ITEM**

BOARD OF SUPERVISORS

KUYLER CROCKER
District One
PETE VANDER POEL
District Two
AMY SHUKLIAN
District Three
EDDIE VALERO
District Four
DENNIS TOWNSEND
District Five

AGENDA DATE: January 29, 2019

Public Hearing Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Scheduled Public Hearing w/Clerk	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Published Notice Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Advertised Published Notice	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Meet & Confer Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Electronic file(s) has been sent	Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Budget Transfer (Aud 308) attached	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Personnel Resolution attached	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Agreements are attached and signature line for Chairman is marked with tab(s)/flag(s)	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
CONTACT PERSON: Annie Haynes PHONE: (559) 802-9820				

SUBJECT: Authorize the submission of a grant application

REQUEST(S):

That the Board of Supervisors:

1. Authorize the submission of a grant application for a California Office of Traffic Safety Emergency Services Grant to provide 26 sets of high pressure low lift airbags, 26 sets of Hurst (better known as "Jaws of Life") extrication equipment, and 5 sets of vehicle stabilization struts, in an amount not to exceed \$972,094.88.
2. Authorize the Fire Chief, or his designee, to sign and submit the grant application.

SUMMARY:

The Tulare County Fire Department (TCFD) is proposing to request grant funding from the California Office of Traffic Safety Emergency Services Grant (OTS) for the purchase of 26 sets of high pressure low lift airbags, 26 sets of Hurst (better known as "Jaws of Life") extrication equipment, and 5 sets of vehicle stabilization struts.

The purpose of this grant request is to assist the department in its effort to provide first responders with effective extrication equipment. This equipment is for use by all full time and extra help firefighting personnel throughout Tulare County. Additionally, the purchase of this equipment will meet current industry standards while assisting in the reduction of maintenance and repair costs and the replacement of obsolete equipment.

SUBJECT: Authorize the submission of a grant application

DATE: January 29, 2019

Obtaining this award will allow the Fire Department to purchase collision extrication equipment resulting in improved service to the disadvantaged county service areas of Dinuba, Visalia, Tulare, Porterville, Springville, Woodlake, Farmersville, Orosi, Strathmore, Goshen, Earlimart, and Lindsay. Additionally, the purchase will reduce maintenance and repair costs, providing a cost savings to the Fire Department.


FISCAL IMPACT/FINANCING:

The award request is \$974,094.88 and no match is required. If awarded, related expenditures will be included in the Fire Department's Fiscal Year 2018/19 budget.

LINKAGE TO THE COUNTY OF TULARE STRATEGIC BUSINESS PLAN:

The County's five-year strategic plan includes the Safety and Security initiative, which calls for planning and coordinating emergency preparedness and response. Approval of this grant application will support efforts to provide necessary extrication equipment for support personnel and first responders.

ADMINISTRATIVE SIGN-OFF:



Charlie Norman
Fire Chief

cc: County Administrative Office

Attachment(s) Draft Grant Application

**BEFORE THE BOARD OF SUPERVISORS
COUNTY OF TULARE, STATE OF CALIFORNIA**

IN THE MATTER OF AUTHORIZE THE) Resolution No. _____
SUBMISSION OF A GRANT APPLICATION

UPON MOTION OF SUPERVISOR _____, SECONDED BY
SUPERVISOR _____, THE FOLLOWING WAS ADOPTED BY THE
BOARD OF SUPERVISORS, AT AN OFFICIAL MEETING HELD _____
_____, BY THE FOLLOWING VOTE:

AYES:
NOES:
ABSTAIN:
ABSENT:

ATTEST: JASON T. BRITT
COUNTY ADMINISTRATIVE OFFICER/
CLERK, BOARD OF SUPERVISORS

BY: _____
Deputy Clerk

* * * * *

1. Authorized the submission of a grant application for a California Office of Traffic Safety Emergency Services Grant to provide 26 sets of high pressure low lift airbags, 26 sets of Hurst (better known as "Jaws of Life") extrication equipment, and 5 sets of vehicle stabilization struts, in an amount not to exceed \$972,094.88.
2. Authorized the Fire Chief, or his designee, to sign and submit the grant application.

Application Information

Application No: 20-001798

Application Type: EMS	Agency (City or County): Tulare County Fire	Department (Police Dept, DA Office, etc): Tulare County Fire
Authorized Representative: Jason Elizondo	DUNS Number: 801975702	DUNS Expiration Date: 12/31/2020
DUNS Registered Address: 907 W. Visalia Road	DUNS City: Farmersville	DUNS ZIP+4: 93223-1843

Application Summary

Grants Made Easy Application Titles and Descriptions are pre-populated. For General Grants, provide the Application Title and Application Description.

Application Title:

Regional Collision Response and Extrication Improvement Program

Application Description:

The city/county/fire protection district will serve as the lead agency for a regional extrication equipment distribution grant for their county. The extrication equipment is used by first responders to safely extricate victims trapped in traffic collisions. "Best practice" strategies will be used to reduce the response time for the arrival of appropriate extrication equipment to traffic collision scenes and the time to extricate the victims of traffic collisions, thus increasing survivability. The grant will provide funding for new equipment and training for fire departments without extrication equipment or those that have existing equipment that has reached the end of its usable lifespan and is in need of replacement.

Problem Statement:

The County of Tulare covers a geographical area of over 4,839 square miles and serves an estimated population of 473,318 people. Tulare County Fire Department is the Authority having Jurisdiction (AHJ) for all hazard type incidents, including traffic collisions. The service area includes 350 miles of State highways, and over 3,047 miles of unincorporated county roadways. The Tulare County Fire Department currently has cooperative mutual aid agreements with Fresno, Kings, and Kern Counties as well as the cities of Farmersville, Lindsay, Porterville, Tulare, Visalia, and Woodlake; all within the County of Tulare. These agreements provide a regional approach to extrication assistance to all the listed Counties and Cities listed above.

Tulare County Fire Department has been using Hurst extrication equipment for many years. Hurst recently notified Tulare County Fire Department the models currently being utilized will no longer be supported, serviced or repaired. All current extrication equipment has reached the end of its usable lifespan and needs replacement's. The average age of our extrication equipment is (20) twenty years old. We started identifying rising costs over the past several years maintaining the equipment due to the majority of the units going out of service frequently. This newly provided information warranted us to perform a needs assessment of our extrication equipment, responses and capabilities. This assessment has also identified a need for 26 sets of high pressure air bag lifting systems that have reached their usable lifespan and five stations that need a set of Rescue 42 vehicle stabilizing struts.

These deficiencies will leave significant gaps along State Highways 198, HWY245, HWY63, HWY201, HWY216, HWY137, HWY65, HWY190 and HWY180. California Highway Patrol's data does indicate Tulare, Fresno, Kern, and Kings Counties are ranking in the top third of the state for fatal injury collisions.

Complementing our departments first due engines and aerial trucks with full extrication equipment will allow shortened extrication time. This allows for patients to be transported to local hospitals and trauma centers, potentially saving numerous lives. The Office of Traffic Safety data for 2016 identifies Tulare County ranks 31st statewide for injury and or fatal traffic collisions.

Due to emerging technology, these 26 new sets of Hurst extrication equipment and 26 sets of High pressure air bag lifting systems along with the addition of five sets of Rescue 42 stabilizing struts would complement all of our first due apparatus with full extrication capabilities drastically increase our efficiency and capabilities at incidents needing extrication. At present, Tulare County Fire Department staffs a minimum of (1) one full time firefighter at (24) of its (28) fire stations. Consequently, it takes a significant amount of time for one firefighter to set up extrication equipment. This includes spotting the apparatus for scene and personnel safety, using appropriate delineation devices, scene size up, patient assessment, removing and starting a gasoline powered generator and connecting the hydraulic lines. These important steps all need to be done prior to commencing extrication. The 26 sets of Hurst extrication equipment we will purchase with this much needed award will be battery operated and will dramatically reduce the amount of time needed to better provide direct patient care.

A significant common goal is the "Golden Hour". This is recognized as the goal for emergency medical personnel to deliver victims requiring hospital care in an appropriate time frame. If granted this highly needed award, our department would strategically place the newly purchased battery operated extrication equipment along with our current staffing model, combined with our average response times of 14 minutes and 33 seconds for traffic collisions will assist in allowing us to meet the "Golden Hour" goal.

In summary, Tulare County Fire Departments current inventory of extrication equipment is old, out dated and becoming more difficult to service and repair. The addition of 26 additional sets would allow Tulare County Fire Department to address the highest priority areas needing extrication equipment over the next year. Once these needs are addressed, the Departments plan is to modernize old systems in the following years. Due to ever-tightening budgetary constraints, Tulare County Fire Department is restricted from funding these needs alone, therefore we are in need of the assistance from the Office of Traffic Safety.

Your sincere time and consideration is immensely appreciated!!

Traffic Data Summary:

Data: Complete the table below using local data, do not use the OTS Rankings or SWITRS. Include all data for each **agency/location** that will receive equipment from this grant.

REGIONAL TRAFFIC COLLISION EXPERIENCE OVER THE PAST THREE YEARS HAS BEEN: Data was provided by Visalia Area California Highway Patrol (CHP). CHP was not able to provide injury collision data for the region.

Collision Type	2016		2017		2018	
	Collisions	Victims	Collisions	Victims	Collisions	Victims
Fatal	39	41	36	43	35	39
Injury	N/A	N/A	N/A	N/A	N/A	N/A

- For each station requesting equipment, explain the following under Problem Description: whether the station is located in a rural or urban area (list the community or city), the type of collisions (high speed, curvy roadway, over the side), and any section of highway(s) involved. Also indicate whether the station currently has extrication equipment and the age of the equipment. If the station doesn't have equipment, indicate the nearest equipment and estimated time of arrival.

Station Name and Number:

Tulare County Fire Department provides services to the unincorporated communities of Visalia, Kings River, Dinuba, Cutler-Orosi, Goshen, Ivanhoe, Lemon Cove, Three Rivers, Lindsay, Badger, Tulare, Posey, CA Hot Springs, Alpaugh, Richgrove, Kennedy Meadows, West Olive, Doyle Colony, Terra Bella, Springville, Camp Nelson, Tipton, Pixley, Earlimart, hamlets, and all rural areas. Contract Fire Protection Services are also provided to the City of Exeter and the Strathmore Fire Protection District. Tulare County Fire Department participates in the Statewide Mutual Aid system and maintains reciprocal agreements with local response organizations including incorporated Cities, neighboring Counties, and State & Federal Wildland agencies. Tulare County Fire Department provides response to virtually every conceivable type of emergency situation and is an all "All Risk" emergency response agency.

All station and response data has been uploaded into the document section as requested to do by OTS staff.

Problem Description:

Tulare County Fire Department has been using Hurst extrication equipment for many years. Hurst recently notified Tulare County Fire Department the models currently being utilized by the department will no longer be supported, serviced or repaired. All current extrication equipment has reached the end of its usable lifespan and needs replacement's. The average age of our extrication equipment is (20) twenty years old. We started identifying rising costs over the past several years maintaining the equipment with the majority of the units going out of service frequently. This newly provided information warranted us to perform a full needs assessment of our extrication equipment, responses and capabilities. This assessment has identified a need for 26 sets of Hurst extrication equipment to include 7 combi tools for our mountain stations. We applied for local grants and have been awarded seven sets that are scheduled to be placed in service this year. We are requesting 19 sets of Hurst extrication tools, seven combi tools, 26 sets of high pressure air bag lifting systems that have reached their usable lifespan and five stations that need a set of Rescue 42 vehicle stabilizing struts.

STATISTICS (County Wide Data See Attached uploaded documents for complete data by station)	2016	2017	2018
Total Number Of Responses (All Calls For Service)	13,692	13,947	14,571
Total Number Of Traffic Collision Related Calls	1,388	1,429	1,436
Number Of Traffic Collision Victims Requiring Extrication In Region	72	57	87
Number Of Victims Where Mutual Aid Extrication Services Were Provided To Other Jurisdictions	N/A	N/A	N/A
Average Response Time For Appropriate Equipment (Receipt Of Call To Arrival At Collision Site)	9.8 min	10.4 min	7.4 min
Average Extrication Time (Arrival At Site To Transport)	28 min	28 min	28 min

Proposed Solution

Strategies:

Tulare County Fire Department is committed to replace all of our extrication equipment. We have been actively sourcing funding and all avenues to accomplish this goal. The most recent award was seven extrication sets that are scheduled to be purchased this year. These seven sets were awarded through local grant funding last year. We are confident that we can decrease our extrication times and will be able to increase our efficiency and mobility based on our staffing model by 27%. We will decrease our expenditures relating to maintenance by \$10,000 annually. The new electric extrication tools will reduce hydrocarbon carbon emissions that is much needed in an area ranked 3rd according to the state of the air report for 2016. We will continue to budget and fund our extrication program into the future becoming self sufficient.

Agency Qualifications:

Tulare County Fire Department will have a Battalion Chief assigned to this grant and will oversee the entire extrication program as it moves forward. We will train all suppression staff; this includes our full time and extra help (paid on call) firefighters within 3 months of award and equipment purchase and delivery. We will continue to provide an annual highway traffic safety training and a hands on extrication training for our employees to maintain competency each year. We will conduct a press conference or media event within 3 months after Grant award to kick off or publicize the grant. OTS will be notified at least two weeks in advance of the grant kick-off event and we will maintain any and all required reporting data to OTS relating to this grant and our extrication program.

Program Sustainability:

In our future budget years, the Tulare County Fire Department will continue to have a budget line for training's, equipment maintenance, and for additional equipment purchases. The department will also continue applying for local grants and other funding opportunities to supplement and maintain our extrication program. Our long term goal will be to maintain our extrication program through our general budget not relying on any outside supplemental funding; however the current need exceeds our ability to fund the entire replacement that is needed and would take several years to do so through general funding.

Goals

Required Goals

Description
Reduce the number of persons killed in traffic collisions.
Reduce the number of persons injured in traffic collisions.

Applicant-Defined Goals

Custom Description	Target Number
Decrease our expenditures as it relates to small engine maintenance, hydraulic repairs, and fuel costs by \$10,000.00 annually.	
Increase efficiency and mobility of extrication based on our staffing model.	
To decrease extrication times county wide.	
To replace all antiquated extrication equipment	

Objectives

Objectives Associated with Selected Application Type. Enter a Target Number or '0' if Target Number is not applicable.

Select?	Target Number	Description
Yes	300	Train firefighters in the use of the new equipment.
Yes	2	Issue a press release announcing the kick-off of the grant by November 15. The kick-off press releases and media advisories, alerts, and materials must be emailed to the OTS Public Information Officer at pio@ots.ca.gov , and copied to your OTS Coordinator, for approval 14 days prior to the issuance date of the release.
Yes	1	Develop Memorandums of Understanding (MOUs) with recipient agencies which contain the following: a list and description of equipment; an explanation of the submission of data collection and quarterly reporting; the responsibility of maintaining equipment; and the yearly reporting of fair market value of equipment.
Yes	26	Purchase and place fully equipped extrication systems in strategic locations within the jurisdiction.
Yes	31	Purchase and place pieces of specialized rescue equipment in strategic locations within the jurisdiction.
Yes	100	Decrease the average response time for the arrival of appropriate equipment at the collision site in rural areas from minutes to minutes.
Yes	500	Decrease response time (time of notification to hospital treatment or transport) in the service area from minutes to minutes.
Yes	19	Improve the EMS delivery system in communities through the replacement of out-dated and unreliable emergency/rescue vehicles and/or equipment.
Yes	300	Train first responders, Emergency Medical Technicians or Paramedics in the recognition and treatment of trauma victims.
No	0	Purchase and place pieces of medical equipment in strategic locations within the jurisdiction.
Yes	2	Conduct traffic safety presentations with an effort to reach persons and communities.
Yes	19	Display the OTS funded equipment days during Public Safety Fairs, community festivals and or other Department or community events.
Yes	0	Notify OTS in the event grant-funded equipment is used to save a life and provide the facts involving the incident.

Applicant-Defined Objectives. Users have the option to delete after adding if necessary.

Select?	Target Number	Custom Description
---------	---------------	--------------------

Method of Procedure

Phase 1 - Program Preparation:

- Determine specific equipment requirements.
- Request equipment vendor price quotation for the required equipment per host agency requirement.
- Submit purchase orders to equipment vendors for purchase of the equipment.
- Prepare and execute Memorandums of Understanding (MOU) with recipient agencies.

Media Requirements

- Issue a press release announcing the kick-off of the grant by November 15, but no earlier than October 1. If unable to meet the November 15 date, communicate reasons to your OTS Coordinator. The kick-off press releases and any related media advisories, alerts, and materials must be emailed for approval to the OTS Public Information Officer at pio@ots.ca.gov, and copied to your OTS Coordinator, 14 days prior to the issuance date of the release.

Phase 2 - Program Operations:

- Inventory the new equipment following delivery.
- Disperse equipment to identified recipient agencies.
- Plan a media event announcing the grant funded equipment.
- Recipient agencies will identify training needs and objectives and coordinate instructional staff to conduct a high quality training program for their respective agency.
- Recipient agencies will develop a preventive maintenance schedule for the new equipment following manufacturers' recommendations.

Media Requirements

- Send all grant-related activity press releases, media advisories, alerts and general public materials to the OTS Public Information Officer (PIO) at pio@ots.ca.gov, with a copy to your OTS Coordinator. The following requirements are for grant-related activities and are different from those regarding any grant kick-off release or announcement.
- If an OTS-supplied, template-based press release is used, there is no need for pre-approval, however, the OTS PIO and Coordinator should be copied when the release is distributed to the press.
- If an OTS-supplied template is not used, or is substantially changed, a draft press release shall be sent to the OTS PIO for approval. Optimum lead-time would be 10 days prior to the release distribution date, but should be no less than 5 working days prior to the release distribution date.
- Press releases reporting the immediate and time-valued results of grant activities such as enforcement operations are exempt from the recommended advance approval process, but still should be copied to the OTS PIO and Coordinator when the release is distributed to the press.
- Activities such as warrant or probation sweeps and court stings that could be compromised by advanced publicity are exempt from pre-publicity, but are encouraged to offer embargoed media coverage and to report the results.
- Use the following standard language in all press, media, and printed materials: Funding for this program was provided by a grant from the California Office of Traffic Safety, through the National Highway Traffic Safety Administration.
- Email the OTS PIO at pio@ots.ca.gov and copy your OTS Coordinator at least 30 days in advance, a short description of any significant grant-related traffic safety event or program so OTS has sufficient notice to arrange for attendance and/or participation in the event.
- Submit a draft or rough-cut of all printed or recorded material (brochures, posters, scripts, artwork, trailer graphics, etc.) to the OTS PIO at pio@ots.ca.gov and copy your OTS Coordinator for approval 14 days prior to the production or duplication.
- Space permitting, include the OTS logo, on grant-funded print materials; consult your OTS Coordinator for specifics and format-appropriate logos.
- Contact the OTS PIO or your OTS Coordinator, sufficiently far enough in advance of need, for consultation when deviation from any of the above requirements might be contemplated.

Phase 3 - Data Collection:

- Invoice Claims (due January 30, April 30, July 30, and October 30)
- Quarterly Performance Reports (due January 30, April 30, July 30, and October 30)
 - Collect and report quarterly, appropriate data that supports the progress of goals and objectives.
 - Provide a brief list of activity conducted, procurement of grant-funded items, and significant media activities. Include status of grant-funded personnel, status of contracts, challenges, or special accomplishments.
 - Provide a brief summary of quarterly accomplishments and explanations for objectives not completed or plans for upcoming activities.
 - Collect, analyze and report statistical data relating to the grant goals and objectives.

Budget

Travel Expenses

Display Order	Cost Category	Item Name	Unit Cost or Rate	Units	Calculated Cost to Grant
200.0	B. Travel Expenses	None	\$0.00	1	\$0.00

Travel Expenses: \$0.00

Equipment (must have Unit Cost of at least \$5000)

Display Order	Cost Category	Item Name	Unit Cost or Rate	Units	Calculated Cost to Grant
400.0	D. Equipment	Air Bag Lift System	\$5,533.50	26	\$143,871.00
400.1	D. Equipment	Combi-tool	\$13,966.67	7	\$97,766.69
400.2	D. Equipment	Fully Equipped Extrication System	\$36,903.56	19	\$701,167.64
400.3	D. Equipment	Vehicle Stabilizing Strut kits	\$5,857.91	5	\$29,289.55

Equipment: \$972,094.88

Other Direct Costs

Display Order	Cost Category	Item Name	Unit Cost or Rate	Units	Calculated Cost to Grant
500.0	E. Other Direct Costs	None	\$0.00	1	\$0.00

Other Direct Costs: \$0.00

Indirect Costs

Item Name should indicate the % and the Cost Category for Indirect Costs e.g. 15% of Salaries and Benefits. Use the Percent Paid by Grant for the Indirect Rate and the Unit Cost or Rate field to indicate the total amount for which Indirect Costs will be claimed. The system will calculate the Cost to Grant.

Display Order	Cost Category	Item Name	Indirect Rate	Amount Subject to Indirect	Calculated Cost to Grant
600.0	F. Indirect Costs	None			\$0.00

Indirect Costs: \$0.00

Total Requested Funding: \$972,094.88

Narrative Review

Review and update Narrative for Budget Items

Item	Narrative
None	None
Air Bag Lift System	Air Bag Lift System - Air Bag Lift Systems are generally comprised of a high pressure regulator, dual air controller, inline relief valves, high pressure hoses, and high pressure lifting bags (high tonnage rated) used for lifting vehicles or heavy objects in extrication incidents. It includes equipment, modifications, attachments, accessories, and auxiliary apparatus necessary to make it usable for the purpose it was acquired, and costs \$5,000 or more (including tax, shipping, and installation).
Combi-tool	Combi-tool - Combi-tools are a hydraulically actuated, light-weight, combination cutting, spreading, pulling and pinching tool used for extrication incidents. It includes every piece of equipment, modifications, attachments, accessories, and auxiliary apparatus necessary to make it usable for the purpose it was acquired, and costs \$5,000 or more (including tax, shipping, and installation).
Fully Equipped Extrication System	Fully Equipped Extrication System - Fully equipped extrication systems are generally comprised of a hydraulic pump, fluid, hoses, control valves, and hydraulically actuated spreaders and cutters used primarily for vehicle extrication incidents. It includes every piece of extrication equipment, modifications, attachments, accessories, and auxiliary apparatus necessary to make it usable for the purpose it was acquired, and costs \$5,000 or more (including tax, shipping, and installation).
Vehicle Stabilizing Strut kits	Fully Equipped vehicle stabilizing System - Fully equipped stabilizing system are generally comprised of four struts two long and two short, four base plates, two combi-head, four straps, one screw head jack, one A frame head with pins, five base plate pins, one spike foot, one hook cluster, one clinch ring, nine strut pins, five base pins, one accessory bag and one instructional DVD and costs \$5,000 or more (including tax, shipping, and installation).
None	None
None	None

Upload Documents (Optional)

Please try to include all information in the application itself, but if necessary, upload additional documents here

Document Name	Update Date/Time
Data (2).xlsx	1/11/2019 11:35 PM

Evaluation, Support, and Submittal

Evaluation, Support, and Submittal

Method of Evaluation:

Using the data compiled during the grant, the Grant Director will complete the "Final Evaluation" section in the fourth/final Quarterly Performance Report (QPR). The Final Evaluation should provide a brief summary of the grant's accomplishments, challenges and significant activities. This narrative should also include whether goals and objectives were met, exceeded, or an explanation of why objectives were not completed.

Administrative Support:

This program has full administrative support, and every effort will be made to continue the grant activities after grant conclusion.

Total Requested Funding:

\$972,094.88

2016 Data (Entire County Statistics)

All Calls: 13,692

Traffic Responses: 1,388

Extrication: 72

2017 Data (Entire County Statistics)

All Calls: 13,947

Traffic Responses: 1,429

Extrication: 57

2018 Data (Entire County Statistics)

All Calls: 14,571

Traffic Responses: 1,436

Extrication: 87