

**BOARD OF FIRE COMMISSIONERS**

Bob Lucey, Chair  
Marsha Berkgigler, Vice Chair  
Kitty Jung  
Vaughn Hartung  
Jeanne Herman

**FIRE CHIEF**

Charles A. Moore

**DEPUTY DISTRICT ATTORNEY**

David Watts-Vial

**Notice of Meeting and Agenda****TRUCKEE MEADOWS FIRE PROTECTION DISTRICT**

**9:00 a.m.**

**Tuesday, February 21, 2017**

**Washoe County Administrative Complex, Commission Chambers  
1001 E. Ninth Street, Reno, Nevada**

**NOTE:** Items on the agenda may be taken out of order; combined with other items; removed from the agenda; moved to the agenda of another meeting; moved to or from the Consent section; or may be voted on in a block. Items with a specific time designation will not be heard prior to the stated time, but may be heard later.

The Washoe County Commission Chambers is accessible to the disabled. If you require special arrangements for the meeting, call the Truckee Meadows Fire Protection District Office, 326-6000, 24-hours prior to the meeting.

**Time Limits.** Public comments are welcomed during the Public Comment periods for all matters, whether listed on the agenda or not, and are limited to three minutes per person. Additionally, public comment of three minutes per person will be heard during individual action items on the agenda. Persons are invited to submit comments in writing on the agenda items and/or attend and make comment on that item at the Board meeting. Persons may not allocate unused time to other speakers.

**Forum Restrictions and Orderly Conduct of Business.** The Board conducts the business of the District and its citizens during its meetings. The presiding officer may order the removal of any person whose statement or other conduct disrupts the orderly, efficient or safe conduct of the meeting. Warnings against disruptive comments or behavior may or may not be given prior to removal. The viewpoint of a speaker will not be restricted, but reasonable restrictions may be imposed upon the time, place and manner of speech. Irrelevant and unduly repetitious statements and personal attacks which antagonize or incite others are examples of speech that may be reasonably limited.

**Responses to Public Comments.** The Board can deliberate or take action only if a matter has been listed on an agenda properly posted prior to the meeting. During the public comment period, speakers may address matters listed or not listed on the published agenda. The Open Meeting Law does not expressly prohibit responses to public comments by the Board. However, responses from Board members to unlisted public comment topics could become deliberation on a matter without notice to the public. On the advice of legal counsel and to ensure the public has notice of all matters the Board will consider, the Board members may choose not to respond to public comments, except to correct factual inaccuracies, ask for staff action or to ask that a matter be listed on a future agenda. The Board may do this either during the public comment item or during the following item: “\*Commissioners’/Chief’s Announcements, Requests for Information, Topics for Future Agendas and Statements Relating to Items Not on the Agenda”.

Pursuant to NRS 241.020, the Agenda for the Board of Fire Commissioner Meetings has been posted at the following locations: Washoe County Administration Building (1001 E. 9<sup>th</sup> Street, Bldg. A), Washoe County Courthouse-District Court Administrator/Clerk of Court (75 Court Street), Washoe County Downtown Library (301 South Center Street) and Sparks Justice Court (1675 East Prater Way) and Truckee Meadows Fire Protection District's website at [www.washoecounty.us/tmfpd](http://www.washoecounty.us/tmfpd)

Support documentation for the items on the agenda, provided to the Board of Fire Commissioners is available to members of the public at the District's Admin Office (1001 E. 9<sup>th</sup> Street, Bldg. D, 2<sup>nd</sup> Floor, Reno, Nevada) Sandy Francis, Administrative Assistant I, phone (775) 328-6124 and on the Truckee Meadows Fire Protection District's website at [www.washoecounty.us/tmfpd](http://www.washoecounty.us/tmfpd) ; and <https://notice.nv.gov>.

All items numbered or lettered below are hereby designated **for possible action** as if the words "for possible action" were written next to each item (NRS 241.020). An item listed with asterisk (\*) next to it is an item for which no action will be taken.

9:00 am \*1. Salute to the Flag

\*2. Call to order/roll call

\*3. Public Comment - Comment heard under this item will be limited to three minutes per person and may pertain to matters both on and off the Board of Fire Commissioners agenda. The District will also hear public comment during individual action items, with comment limited to three minutes per person. Comments are to be made to the Board of Fire Commissioners as a whole.

\*4. Commissioners'/Fire Chief's announcements, requests for information, topics for future agendas, and statements relating to items not on the Agenda. (No discussion among Commissioners will take place on this item).

5. Consent Items:

A. Approval of minutes from the January 17, 2017 meeting.

B. Discussion and possible approval of the renewal for a supplemental Employee Assistance Program through the ESI Group for District employees and dependents at an estimated cost of \$3,472.00 for 2017 Calendar year.

C. Discussion and possible approval of Memorandum of Understanding (MOU) outlining the interpretation and applicability of Article's 42(F)(2) in the existing Collective Bargaining Agreement between Truckee Meadows Fire Protection District and Truckee Meadows Firefighters Association I.A.F.F. Local 3895 and authorize Fire Chief Charles Moore to execute said MOU.

D. Recommendation to approve extra work authorizations in the amount of \$40,350 for Civil Design Services between Truckee Meadows Fire Protection District and CFA, Inc. to provide professional services as defined in Attachment A of the extra work authorizations dated September 12, 2016 and January 25, 2017 and to authorize future Extra Work Authorization not to exceed 10% of the current approved contract.

\*6. I.A.F.F. Local 3895 Report

7. Discussion and direction to staff regarding 2017 Nevada Legislative Session and other legislative issues proposed by legislators, or by other entities permitted by the Nevada State Legislature to submit bill draft requests, or such legislative issues as may be deemed by the Chair or the Board to be of critical significance to Truckee Meadows Fire Protection District to include, but not limited to, supporting Senate Bill 60 (SB,60) which revises provisions governing Medicaid payments for ground emergency medical transportation, and Senate Bill 67 (SB67), which revises certain provision related to fire safety requirements, and authorize the Fire Chief to testify if deemed necessary.
8. A. Discussion and possible Direction on the Fire Chief Report to include the following related to fire district operations:
  - Volunteer Census and Program Status
  - Succession Planning
  - Verdi Fire Protection WaterB. Career Statistics and Report for November and December 2016  
C. Volunteer Statistics and Report for October, November and December 2016
9. Discussion and possible approval, acceptance and ratification of a Community Wildfire Protection Plan developed by the Arrowcreek Home Owners Association.
10. Approve the purchase of two (2) new All Poly 2000 Gallon Tanker Pumpers from Midwest Fire, 901 Commerce Road, Luverne, Minnesota in the amount of \$437,904 using the Houston-Galveston Area Council (H-GAC) cooperating purchasing program.
11. Discussion of a proposal and possible approval of a Software License Agreement and Support Agreement for CODE3SIMULATOR software
12. Possible Closed Session for the purpose of discussing labor issues with Truckee Meadows Fire Protection District per NRS 288.220.
- \*13. Commissioners'/Fire Chief's announcements, requests for information, topics for future agendas, and statements relating to items not on the Agenda. (No discussion among Commissioners will take place on this item).
- \*14. Public Comment. Comment heard under this item will be limited to three minutes per person and may pertain to matters both on and off the Board of Fire Commissioners agenda. The District will also hear public comment during individual action items, with comment limited to three minutes per person. Comments are to be made to the Board of Fire Commissioners as a whole.

Adjournment

**BOARD OF FIRE COMMISSIONERS  
TRUCKEE MEADOWS FIRE PROTECTION DISTRICT (TMFPD)**

TUESDAY

9:00 a.m.

JANUARY 17, 2017

PRESENT:

**Bob Lucey, Chair**  
**Marsha Berkbigler, Vice Chair**  
**Kitty Jung, Commissioner**  
**Vaughn Hartung, Commissioner**  
**Jeanne Herman, Commissioner**

**Jan Galassini, Chief Deputy County Clerk**  
**David Watts-Vial, Legal Counsel**  
**Charles Moore, Fire Chief**

The Board convened at 9:00 a.m. in regular session in the Commission Chambers of the Washoe County Administration Complex, 1001 East Ninth Street, Reno, Nevada. Following the Pledge of Allegiance to the flag of our Country, the Clerk called the roll and the Board conducted the following business:

**17-003F      AGENDA ITEM 3 Public Comment.**

Roger Puccinelli stated he and his wife lost their home and all of their possessions to a fire. He noted the TMFPD had shut down Verdi's volunteer fire department and the closest fire station was over five miles away. He said the TMFPD lacked access to water to be able to put out a fire in Verdi. He read aloud the TMFPD time log recounting the fire incident that destroyed his home. It took an hour and 18 minutes from the time the fire was called in before the TMFPD began putting water on the burning home. He opined that responding to a residential fire without access to water and with inoperable equipment was not an acceptable response.

Ed Pitchford spoke about the fire that affected Mr. Puccinelli's home. He noted there was a lack of an adequate amount of water on a Type 1 fire truck and a tanker to fight a residential fire in Verdi. He also noted the closest available backup tanker was miles away in Stead. He stated the residents of Verdi would like the TMFPD to hire two additional firefighters for the Mogul fire station. He mentioned Verdi residents saw their insurance rates rise as an effect of moving the fire station to Mogul because they were more than five miles from the nearest fire station.

Jim Sievers said the residents in Verdi and the surrounding neighborhoods created a petition called Save Verdi Homes and Businesses from the Dangers of Fire. The mission of the petition was to promote the fact that it was government's responsibility to protect persons and property. He stated he was unable to find the TMFPD's mission which bothered him. He added people responded to missions. He asked the Board to help the residents of Verdi with decent fire protection.

AGENDA ITEM # 5A

JANUARY 17, 2017

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## **CONSENT ITEMS**

- 17-004F**     **4A** Approval of minutes from the December 13 2016 meeting.
- 17-005F**     **4B** Discussion and possible approval of an amendment to the existing Collective Bargaining Agreement between Truckee Meadows Fire Protection District and Truckee Meadows Firefighters Association I.A.F.F. Local 3895 at "Article 43 –Training Courses and Seminars" retroactive to July 1, 2016 to increase the training allowance from \$500 to \$750 per fiscal year.
- 17-006F**     **4C** Discussion and possible approval of an "Amendment to Agreement" amending the existing Collective Bargaining Agreement between Truckee Meadows Fire Protection District and Truckee Meadows Firefighters Association I.A.F.F. Local 3895 at "Article 2 –Recognition, Article 13 – Salaries, and Appendix A – Salary" to include and recognize the position of Fire Mechanic/Logistics Assistant within the bargaining unit represented by I.A.F.F. Local 3895 retroactively to November 14, 2016, and to clarify an inclusion date of November 1, 2015 for the Fire Officer in Charge of Strategic and Volunteer Services.

There was no public comment on this item.

On motion by Commissioner Hartung, seconded by Commissioner Berkbigler, which motion duly carried, it was ordered that the Consent Agenda Items 4A through 4C be approved. Any and all Resolutions or Interlocal Agreements pertinent to Consent Agenda Items 4A through 4C are attached hereto and made a part of the minutes thereof.

- 17-007F**     **AGENDA ITEM 5** I.A.F.F. Local 3895 Report to include a video from the 2016 Fire Ops 101 Event

Ian Satterfield, International Association of Firefighters Local 3895 President, announced the upcoming fifth annual Guns and Hoses Golf Tournament, a partnership event between Local 3895 and the Washoe County Sheriff's Association to raise money for the Northern Nevada Children's Cancer Foundation. Over the past five years, over \$100,000 had been raised. He also announced the Truckee Meadows Foundation and the South Valley's Volunteer Fire Department would be hosting a pancake breakfast on February 11, 2017 at Station 301 to raise money for victims of the Little Valley Fire. A video from the Fire Ops 101 Event was shown which highlighted the partnership between the TMFPD and other fire agencies in Northern Nevada. He hoped more Commissioners would attend the event next year. He informed the Commissioners who were interested in participating in the Guns and Hoses Golf Tournament to contact John Sieben.

There was no public comment on this item.

There was no action taken on this item.

**17-008F**     **AGENDA ITEM 6**   Fire Chief Report: A) Report and discussion related to fire district operations. B) Career Statistics and Report for October 2016. C) Volunteer Statistics and Report for October 2016.

Chief Moore introduced Cynthia Vance who was the TMFPD's new Chief Financial Officer. He highlighted her experience as a Certified Public Accountant and with the Washoe County School District. He noted Ms. Vance was the number one pick of the assessment team and that the TMFPD was excited to have her.

Ms. Vance stated she felt welcomed by the TMFPD and she thanked the Board for the opportunity.

Chief Moore spoke about the recent flood response by the TMFPD's career and volunteer staff. He commended County staff for their assistance and he thanked the state of Nevada's Division of Forestry for supplying sand bags. He added without the ability to fill tens of thousands of sand bags, the County would not have been as prepared to deal with the flooding. He noted the TMFPD's career and volunteer staff worked very hard to redirect water away from homes. He stated the TMFPD was prepared to increase staffing for the incoming weather event which would bring in cooler weather and snow.

Chair Lucey praised the TMFPD staff for their work.

Chief Moore indicated part C of Agenda Item 6 would be pulled as the volunteer statistics had not been compiled due to how busy the TMFPD had been; however, the information would be compiled soon.

Commissioner Hartung stated it would be useful to know how many calls each fire station responded to and to understand where the calls were coming from. He noted resources were constantly moved around to respond to calls.

Chief Moore stated he met with a software vendor whose product would allow the TMFPD to analyze all of the calls they received in the past to determine where the calls came from, which station received the calls, and what type of calls they were. He added the detailed information would assist them with their budgeting process. The software would also assist with scheduling. He mentioned he spoke with the City of Sparks regarding an advanced automatic aid system. Under the current automatic aid system, after a call came in, a resource from the City of Sparks and a resource from the TMFPD would be sent out. This was not always necessary or efficient. With an advanced automatic aid system, the TMFPD would be able to analyze whether it could respond to a call with a single resource. Both entities would be able to see each other's calls. He also mentioned the relocation of a few stations.

Chair Lucey injected by stating he would love to continue the conversation; however, the agenda was not stylized to address the issue under the Chief's Report. He asked Chief Moore to bring the item back for the next agenda.

Commissioner Hartung suggested allowing Chief Moore to obtain and implement the software, and then continue the conversation.

Commissioner Berkbighler asked Chief Moore to include in his report why the City of Reno would not be part of the advanced automatic aid system.

Commissioner Hartung indicated the TMFPD extended a lot of mutual aid to the City of Reno. He requested Chief Moore to provide information regarding what those calls were for.

There was no public comment on this item.

There was no action taken on this item.

**17-009F**      **AGENDA ITEM 7** Discussion and possible approval of a salary range for the existing position of Fire Division Chief and to approve a job specification when assigned as an EMS and Training Fire Division Chief.

Chief Moore stated the intent was to hire a Division Chief specifically dedicated to Emergency Medical Services training. He added the position was funded in the current fiscal year's budget.

There was no public comment on this item.

On motion by Commissioner Jung, seconded by Commissioner Hartung, which motion duly carried, it was ordered that Agenda Item 7 be approved.

**17-010F**      **AGENDA ITEM 8** Discussion and possible action to create a Deputy Fire Chief position to include job specification, salary range and benefits and authorization to negotiate an employment agreement to be brought back to the Board for ratification.

Chief Moore reported the application period for the position would end on January 31, 2017 and he anticipated the candidates would be selected by the end of March. He said he originally contemplated the position to be a Division Chief of Operations; however, he felt it would better serve the organization to bring in someone support the administration, as well as, operations. He added in the future, a Division Chief of Operations position may be installed.

There was no public comment on this item.

On motion by Commissioner Berkbigler, seconded by Commissioner Jung, which motion duly carried, it was ordered that Agenda Item 8 be approved and authorized.

**17-011F**      **AGENDA ITEM 9**   Discussion and possible approval of an amendment to the existing employment contract to reflect a new annual salary, at a base rate of \$178,500, effective retroactively to April 2, 2016 for Truckee Meadows Fire Protection District Chief, Charles A. Moore.

Chief Moore reported staff was directed to complete a regional salary comparison to ensure the TMFPD's Fire Chief's salary was on par with the other regional fire chiefs' salaries. After meeting with the Human Resources Director, the salary presented in the staff report was the result. He noted staff anticipated drafting a new contract during the next evaluation.

There was no public comment on this item.

On motion by Commissioner Jung, seconded by Commissioner Hartung, which motion duly carried, it was ordered that Agenda Item 9 be approved.

**17-012F**      **AGENDA ITEM 10**   Announcements/Reports.

Commissioner Jung requested staff to ensure there was an Agenda Item during future meetings for Commissioners' announcements after the first public comment section.

Commissioner Berkbigler inquired what percentage of Verdi was in the City of Reno's jurisdiction.

Chief Moore replied he did not believe he could answer questions during this agenda item.

David Watts-Vial, Legal Counsel, stated it would be advisable to place the inquiry on a future agenda. The purpose of this section was to announce future items.

Commissioner Berkbigler asked staff to place her inquiry on a future agenda. She also inquired where the nearest City of Reno fire station was to Verdi. She mentioned there was a suggestion to hire additional personnel for the fire station in Mogul and a complaint regarding rising insurance costs due to the lack of a fire station in Verdi. She indicated she would like to see how those issues could be addressed. She asked whether the TMFPD needed to work with the City of Reno on how Verdi's fire service was handled. She also asked whether Chief Moore was aware of any fire related issues which would come before the Nevada Legislature.

Commissioner Jung requested a standing Agenda Item to address legislative issues and affairs.

Commissioner Hartung stated he would like to have a conversation about flex crews in relation to the new software, and how they could be utilized. In regards to automatic aid given to other agencies, he said there needed to be a conversation about equality.

Commissioner Herman spoke about the need for the TMFPD to have the ability to access water in Verdi to fight fires. She mentioned the possibility of leasing a tanker from a construction company. She wanted to know what options were available.

Chair Lucey inquired what the status of Washoe Valley's volunteer firefighters training was, and how the TMFPD could continue to assist them. He requested data regarding the calls in the southern areas in order to make better budgeting and legislative decisions. He also requested an overall update on the TMFPD's staff which was to include the status of the newly hired positions and succession planning.

Commissioner Hartung noted the TMFPD's mission and values statement was on the back of the folders the Commissioners received. He requested the information be made available online if it was not already there.

Chief Moore announced he had not previously engaged the Board regarding where they would like to see service level improvements. He said he would like to meet with each Commissioner to get their ideas, and then prioritize those ideas for the next budget cycle.

**17-013F      AGENDA ITEM 11 Public Comment.**

Ray Lake spoke about single-stream recycling and how it was supposed to save residents money. He stated recycling was supposed to be subsidized by regular trash collection. He believed the County lost its bargaining power by engaging in a new contract before the current one expired. He mentioned his neighbors were unable to use their own containers under the new program.

\* \* \* \* \*

**9:46 a.m.** There being no further business to discuss, the meeting was adjourned without objection.

**BOB LUCEY**, Chair  
Truckee Meadows Fire  
Protection District

ATTEST:

**NANCY PARENT**, Washoe County Clerk  
and Ex-Officio Clerk, Truckee Meadows  
Fire Protection District

*Minutes Prepared By:  
Michael Siva, Deputy County Clerk*



# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT

## STAFF REPORT

Board Meeting Date: February 21, 2017

Fire Chief  
Finance  
Legal  
Risk Mgt.  
HR

**DATE:** February 8, 2017  
**TO:** Truckee Meadows Fire Protection District Board of Fire Commissioners  
**FROM:** Charles A. Moore, Fire Chief  
Telephone: (775) 328-6123, Email: [cmoore@tmfpd.us](mailto:cmoore@tmfpd.us)  
**SUBJECT:** Discussion and possible approval of the renewal for a supplemental Employee Assistance Program through the ESI Group for District employees and dependents at an estimated cost of \$3,472.00 for 2017 Calendar year. (All Commission Districts)

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### SUMMARY

Discussion and possible approval of the renewal for a supplemental Employee Assistance Program through the ESI Group (the EAP) for District employees and dependents at an estimated cost of \$3,472.00 for 2017 Calendar year.

*Strategic Outcome supported by this item: Sustainability of our financial, social, and natural resources.*

### PREVIOUS ACTION

July 19, 2016, the Board of Fire Commissioners approved a supplemental Employee Assistance Program through the ESI Group (the EAP) for District employees and dependents at an estimated Prorated cost of \$1,446.65 for the remainder of the 2016 Calendar year.

### BACKGROUND

After research The EAP through ESI presented as meeting our needs more efficiently as this program is tailored for first responders and understands the type of issues that they face on a daily basis. Staff has utilized this program for the last 6 months, and would like to renew this policy for 2017.

### FISCAL IMPACT

There is sufficient funding with in the approved FY 16/17 budget.

### RECOMMENDATION

It is recommended that the Board of Fire Commissioners approve the renewal for a supplemental Employee Assistance Program through the ESI Group for District employees and dependents at an estimated cost of \$3,472.00 for 2017 Calendar year.



**POSSIBLE MOTION**

Should the Board agree with staff's recommendation, a possible motion would be:

*"I move to approve the renewal for a supplemental Employee Assistance Program through the ESI Group for District employees and dependents at an estimated cost of \$3,472.00 for 2017 Calendar year."*



# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT

## STAFF REPORT

Board Meeting Date: February 21, 2017

Fire Chief CM  
Finance SS  
Legal SS  
Risk Mgt. \_\_\_\_\_  
HR \_\_\_\_\_

**DATE:** February 10, 2017

**TO:** Truckee Meadows Fire Protection District Board of Fire Commissioners

**FROM:** Charles A. Moore, Fire Chief  
Phone: (775) 328-6123 Email: [cmoore@tmfpd.us](mailto:cmoore@tmfpd.us)

**SUBJECT:** Discussion and possible approval of Memorandum of Understanding (MOU) outlining the interpretation and applicability of Article's 42(F)(2) in the existing Collective Bargaining Agreement between Truckee Meadows Fire Protection District and Truckee Meadows Firefighters Association I.A.F.F. Local 3895 and authorize Fire Chief Charles Moore to execute said MOU. (All Commission Districts)

### SUMMARY

Discussion and possible approval of Memorandum of Understanding outlining the interpretation and applicability of Article's 42(F)(2) in the existing Collective Bargaining Agreement between Truckee Meadows Fire Protection District and Truckee Meadows Firefighters Association I.A.F.F. Local 3895 and authorize Fire Chief Charles Moore to execute said MOU.

**Strategic Objective supported by this item:** *Safe Secure and Healthy Communities*

### PREVIOUS ACTION

The Board of Fire Commissioners periodically approves MOU's between the District and Union, with the last approval being on July 19, 2016

### BACKGROUND

From time to time, items in the Collective Bargaining Agreement require clarification or amendment. These issues are negotiated and approved for the District by the Board. As such Local IAFF 3895 (union) filed Grievance 15-011 asserting that employees who maintain current Paramedic/EMT-Advanced certification in the State of Nevada are entitled to 6% of base pay pursuant to Article 42(F)(2) of the CBA. The District denied the grievance asserting that employees who maintain current Paramedic/EMT-Advanced certification in the State of Nevada are only entitled to 6% of base pay pursuant to Article 42(F)(2) of the CBA if they have also been internally certified by the District, therefore the grievance was denied by the District and submitted to arbitration by the Union pursuant to the grievance provisions of Article 48 of the CBA. Both the Union and the District have met and discussed the issues and have reached a mutually agreeable resolution to all issues arising from the Grievance as outlined below:

1. Employees who were ALS certified by the State of Nevada, but who were not internally certified by the District to perform ALS, shall be paid the additional 3% of pay for ALS described in Article 42(F)(2) of the CBA retroactively from October 30, 2015, through six (6) months from the Effective Date of this MOU, except as provided below.

2. The District shall offer an internal certification opportunity on or before three weeks prior to the end of the six month period described in Paragraph 1. Employees who are successfully internally certified after that certification opportunity will continue to receive the ALS pay described in Article 42(f)(2) for as long as they maintain internal and state certification.
3. Those employees who are not internally certified as of the internal certification opportunity described in Paragraph 2, above, regardless of reason, including failure to participate, shall cease receiving the ALS pay at the conclusion of the six month period described in Paragraph 1 and shall not receive ALS pay until such time as they are successfully internally certified by the District, at which point the employee shall be entitled to ALS pay going forward from the date of internal certification only.
4. Following the expiration of the six month period described above, only employees who are certified by the State and who are also internally certified by the District shall be entitled to receive ALS pay described in Article 42(F)(2).
5. Recognizing the desire of the District and Union to have as many employees as possible performing ALS, and to assist those employees who have not been internally certified, the District and Union will meet and confer and agree on a program which is designed to assist those employees who have not successfully done so to achieve internal certification in the future. If applicable, this program shall also be reviewed and approved by the District's Medical Director. Employee participation in the program shall be voluntary, shall be completed on the employee's own time, and the employee shall not be compensated for participation in that program unless otherwise required or provided for in the CBA.

### **FISCAL IMPACT**

Sufficient funding is available in the FY 16/17 approved budget.

### **RECOMMENDATION**

Staff recommends approval of a Memorandum of Understanding outlining the interpretation and applicability of Article's 42(F)(2) in the existing Collective Bargaining Agreement between Truckee Meadows Fire Protection District and Truckee Meadows Firefighters Association I.A.F.F. Local 3895 and to authorize Fire Chief Charles Moore to execute said MOU.

### **POSSIBLE MOTION**

Should the Board agree with staff's recommendation a possible motion would be:

*"I move to approve a Memorandum of Understanding outlining the interpretation and applicability of Article's 42(F)(2) in the existing Collective Bargaining Agreement between Truckee Meadows Fire Protection District and Truckee Meadows Firefighters Association I.A.F.F. Local 3895 and authorize Fire Chief Charles Moore to execute said MOU."*



# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT

## STAFF REPORT

Board Meeting Date: February 21, 2017

Fire Chief  
Finance  
Legal  
Risk Mgt.  
HR

**DATE:** February 3, 2017

**TO:** Truckee Meadows Fire Protection District Board of Fire Commissioners

**FROM:** Charles A. Moore, Fire Chief  
Phone: (775) 328-6123 Email: [cmoore@tmfpd.us](mailto:cmoore@tmfpd.us)

**SUBJECT:** Recommendation to approve extra work authorizations in the amount of \$40,350 for Civil Design services between Truckee Meadows Fire Protection District and CFA, Inc. to provide professional services as defined in Attachment A of the extra work authorizations dated September 12, 2016 and January 25, 2017 and to authorize future Extra Work Authorization not to exceed 10% of the current approved contract. (Commission District 2)

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### SUMMARY

Staff is requesting approval of extra work authorizations in the amount of \$40,350 for Civil Design Services between Truckee Meadows Fire Protection District and CFA, Inc. to provide professional services as defined in Attachment A of the extra work authorizations dated September 12, 2016 and January 25, 2017 and to authorize future Extra Work Authorization not to exceed 10% of the current approved contract.

**Strategic Objective supported by this item:** Safe, secure and healthy communities.

### PREVIOUS ACTION

December 15, 2015, the Board approved the final settlement and title paperwork with a closing date of December 28, 2015 for the acquisition of property located in the vicinity of Foothill Road and S. Virginia Street (APN 044-300-09 and a portion of APN 044-300-10) to accommodate the replacement of Fire Station #14.

January 26, 2016, the Board approved an Agreement in the amount of \$399,300 for consulting architectural/engineering services between Truckee Meadows Fire Protection District and TSK to provide architectural and engineering consulting services for the station 14 project.

June 21, 2016, the Board approved the Agreement in the amount of \$87,700 for Civil Design Services between Truckee Meadows Fire Protection District and CFA, Inc. to provide professional services for the station 14 project.

January 24, 2017, the Board of Commissioners reversed the Board of Adjustment's denial of Special Use Permit Case Number SB16-010 (Truckee Meadows Fire Protection District, Station Number 14) which requested approval of a special use permit for the construction and operation of a new fire station.

## **BACKGROUND**

The District purchased land near the intersection of Foothill Road and South Virginia Street for the replacement of an inadequate fire station. The Board has approved architectural/engineering services to be provided by TSK for this project. The District will be utilizing a Construction Manager-at-Risk (CMAR) process to develop the final design of Station 14. This Agreement with CFA, Inc. is to provide civil design services on the final CMAR package. The CMAR design process includes schematic design and development phases of review, cost estimating, and value engineering prior to permit submittal at the construction document phase.

CFA, Inc. already has a professional services agreement in the amount of \$135,100 for the preparation of the special use permits for Station 14, Station 39, and Station 37 as well as the parcel map for Station 14. If approved, this new agreement would take the total amount for these projects for this vendor to \$175,450. These extra work authorizations are a 30% increase over the previously approved agreement. Therefore, this item is being presented to the Board for approval.

## **FISCAL IMPACT**

These extra work authorizations will increase fiscal year 2017 costs for the Station #14 project by \$40,350. The current cost changes and any anticipated increases up to 10% have been included in the District's Capital Improvements Program which was approved by the Board during the fiscal year 2017 budget process.

## **RECOMMENDATION**

It is recommended that the Board of Fire Commissioners approve extra work authorizations in the amount of \$40,350 for Civil Design Services between Truckee Meadows Fire Protection District and CFA, Inc. to provide professional services as defined in Attachment A of the extra work authorizations dated September 12, 2016 and January 25, 2017 and to authorize future Extra Work Authorization not to exceed 10% of the current approved contract.

## **POSSIBLE MOTION**

Should the Board agree with staff's recommendation, a possible motion could be:

*"I move to approve extra work authorizations in the amount of \$40,350 for Civil Design Services between Truckee Meadows Fire Protection District and CFA, Inc. to provide professional services as defined in Attachment A of the extra work authorizations dated September 12, 2016 and January 25, 2017 and to authorize future Extra Work Authorization not to exceed 10% of the current approved contract."*



ENGINEERS • LAND SURVEYORS  
PLANNERS • LANDSCAPE ARCHITECTS

## EXTRA WORK AUTHORIZATION

PROJECT NO.:

15023.01

DATE:

January 25, 2017

Client: Washoe County

Project Name: TMFPD Station #14 – Special Use Permit (SUP) and Final Design (CMAR)

Agreement (contract) Date: 12/22/2015 – PO 5500020607

### DESCRIPTION OF WORK

#### Task 1

Complete site revision to include 15' widening of Foothill road along frontage of parcel. Incorporate reduced length of site apparatus driveways, and relocate curb, gutter and sidewalk from location shown in DD drawings submitted on 11-14-2016. Raise finished floor elevation to establish desired grading from Apparatus apron exiting on Foothill Dr., as well as the public parking area and ADA compliant access sidewalks into the main entry. Adjust grading at rear apparatus driveway to match new Finished Floor elevation. Incorporate a public street light at the intersection of Broken Hill and Foothill Roads, add a school bus stop waiting area with sidewalk access. Coordinate revised site, grading, and utility plans with most current version of Architectural, Mechanical, Electrical, and Structural design package. Produce an updated "DD" set of Civil Drawings for submittal during the week of January 31<sup>st</sup> – Feb 3<sup>rd</sup>. Fee: \$14,500

#### Task 2

Enlist support of Traffic Engineer (Loren Chilson, Traffic Works) to design signage, striping and pedestrian access related to the 15' widening on Foothill Road and school bus stop on Broken Hill Road. Run updated Auto-turn analysis for reduced driveway lengths and current and future road lane configurations. Fee: \$5,000

#### Task 3

Provide land use planning services and coordination to process special use permit through the appeal to the Board of County Commissions. This will include internal meetings with County staff and TMFPD staff, preparation of appeal hearing presentation and attendance at the January 24<sup>th</sup> public hearing. Fee: \$3,000

### TOTAL FEE

Task C2D – Revised DD Drawings & SUP Appeal Processing ..... \$ 22,500

**Total \$ 22,500**

In witness whereof, the parties hereto have accepted, made and executed this agreement for work upon the terms, conditions and provisions stated above, the day and year first written above.

CFA, Inc.

By: 

Title: Director of Engineering

Date: 1-25-2017

Client:

By: 

Title: Fire Chief

Date: 1/27/17

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ENGINEERS • LAND SURVEYORS  
PLANNERS • LANDSCAPE ARCHITECTS

## EXTRA WORK AUTHORIZATION

PROJECT NO.:

15023.00 & 15023.01

DATE:

September 12, 2016

Client: Washoe County

Project Name: TMFPD Station #14 – Special Use Permit (SUP) and Final Design (CMAR)

Agreement (contract) Date: 12/22/2015 – PO 5500020607 – Items #10 & 40

### DESCRIPTION OF WORK

Under the Special Use Permit (SUP) scope (Item 10 of the PO referenced above and attached), CFA has completed work and invoiced approximately \$14,200 out of the \$18,400 Item 10 budget for the previous site design under SUP plan set production and application preparation.

Under the Final Design (CMAR) scope (Item 40 of the PO referenced above and attached), CFA has completed work and invoiced approximately \$21,500 out of the \$87,700 Item 40 budget for the previous site design under Schematic Design (SD) and Design Development (DD) efforts.

Thus far between both SUP and CMAR scope, CFA has invoiced a Total of \$35,700. Due to overlapping scope between the SUP & CMAR efforts (and the efficiency realized), we are proposing re-establishing 50% of the Total invoiced ( $0.5 \times \$35,700 = \$17,850$ ) for the redesign effort related to the revised site plan & floorplan approved by Washoe County during the week of August 29, 2016. The additional \$17,850 requested will allow for both a revised SUP package and updated SD/DD package in step with the latest SUP & CMAR team schedule.

### FEE

Task C2C – Revised SUP & SD/DD Drawings ..... \$ 17,850  
**Total \$ 17,850**

In witness whereof, the parties hereto have accepted, made and executed this agreement for work upon the terms, conditions and provisions stated above, the day and year first written above.

CFA, Inc.

By: 

Title: Director of Engineering

Date: 9-12-2016

Client:

By: 

Title: FIRE CHIEF

Date: 9.12.2016

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## Van Buren, Vicki L.

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**From:** Wardell, William  
**Sent:** Tuesday, September 13, 2016 1:14 PM  
**To:** Van Buren, Vicki L.  
**Cc:** Moore, Charles  
**Subject:** FW: Station 14 - Additional Work  
**Attachments:** CFA-TMFPD 14-EWA-9-12-16.pdf

Vicki,

Can you please process this change order for this PO to get this additional work included.

I can come by and discuss with Chief if he feels he wants to review the cost associated with the redesign.

Thank you,

### Bill Wardell

Project Coordinator | Capital Projects - Washoe County Community Services  
[wwardell@washoecounty.us](mailto:wwardell@washoecounty.us) | mobile 775.750.7325 office 775.328.3636  
1001 E. Ninth St., Bldg. A, Reno, NV 89520

**From:** Lonnie Johnson [<mailto:ljohnson@cfareno.com>]  
**Sent:** Monday, September 12, 2016 4:02 PM  
**To:** Wardell, William  
**Subject:** Station 14 - Additional Work

Hello Bill,

Based on recent direction for Station #14 redesign, and our understanding of additional scope required to proceed, we've proposed additional fees to cover these revisions. Attached for your review is our request for Extra Work Authorization. Please call with any questions.

Regards,

LONNIE JOHNSON, P.E., PRINCIPAL • DIRECTOR OF ENGINEERING

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CFA, INC.

ENGINEERS ■ LAND SURVEYORS  
PLANNERS ■ LANDSCAPE ARCHITECTS

1150 CORPORATE BOULEVARD ■ RENO, NEVADA 89502  
MAIN 775-856-1150 ■ EXT 108 ■ DIRECT 775-856-7074 ■ [CFARENO.COM](http://CFARENO.COM)



Truckee Meadows Fire Protection District  
P.O. Box 11130 - Reno, Nevada 89520-0027  
Phone: (775) 326-6000 - Fax (775) 326-6003  
www.tmfpd.us

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version 2

# Purchase Order

TAX EXEMPTION: NEVADA NRS 372.325 - FEDERAL 383856902K

**Supplier Address**

CFA INC  
1150 CORPORATE BLVD  
RENO NV 89502  
USA

**Billing Address**

Truckee Meadows Fire Protection District  
c/o Washoe County Comptroller, Accounts Payable  
P.O. Box 11130  
Reno, NV 89520-0027  
(775) 328-2552  
APTeam@washoecounty.us

**Shipping Address**

Truckee Meadows Fire  
1001 E 9TH ST BLDG D ROOM 231  
RENO NV 89512  
USA

PO Number 5500020607  
Date 12/22/2015  
Vendor No. 103239

Payment Terms Z005  
Description 30 days, 30 net  
Buyer Erin Holland  
Phone 775-326-6073  
Buyer Email eholland@tmfpd.us  
Delivery Date  
Inco Terms  
Description  
Salesperson  
Vendor fax 775-856-1160

Valid From 12/21/2015  
Valid To 12/31/2016

| Item  | Material/Description  | Quantity | UM | Unit Price | Net Amount |
|---|---|----------|----|------------|------------|
| ***Change order to CFA PO#5500020607. Civil design work for Station 14. Proposal dated April 15, 2016 and approved by the BOFC 06/21/16 Agenda Item #9. Extend end date to 12/31/16.                    |   |          |    |            |            |
| ***   |   |          |    |            |            |
| Preparation of a parcel map and special use permit for Station 14, special use permit for Station 39, and a special use permit for Station 37. Professional services agreement with CFA dated 12/04/15. |   |          |    |            |            |
| 10  | STN 14 Parcel Map/Special Use Permit<br>Delivery Date: 12/21/2015 | 1.00     | AU | 18,400.00  | 18,400.00  |
| 20  | STN 39 Special Use Permit<br>Delivery Date: 12/21/2015            | 1.00     | AU | 14,100.00  | 14,100.00  |
| 30  | STN 37 Special Use Permit<br>Delivery Date: 12/21/2015            | 1.00     | AU | 14,900.00  | 14,900.00  |
| 40  | Civil Design Work STN14<br>Delivery Date: 06/28/2016              | 1.00     | AU | 87,700.00  | 87,700.00  |
| Net Value   |   |          |    |            | 135,100.00 |

**INSTRUCTIONS TO SUPPLIER:**

This Purchase Order is subject to the Terms and Conditions incorporated herein by this reference.

SIGNATURE

(Purchasing)

DATE

07/08/2016

STN 14 - TMC14027.6 781002



Truckee Meadows Protection District  
P.O. Box 11130 - Reno, Nevada 89520-0027  
Phone: (775) 326-6000 - Fax (775) 326-6003  
www.tmfpd.us

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version 2

## Purchase Order

TAX EXEMPTION: NEVADA NRS 372.325 - FEDERAL 383856902K

PO Number 5500020607  
Date 12/22/2015  
Vendor No. 103239

| Item         | Material/Description | Quantity | UM | Unit Price | Net Amount    |
|--------------|----------------------|----------|----|------------|---------------|
| Total Amount |                      |          |    |            | \$ 135,100.00 |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |
|              |                      |          |    |            |               |

### INSTRUCTIONS TO SUPPLIER:

This Purchase Order is subject to the Terms and Conditions incorporated herein by this reference.

SIGNATURE

(Purchasing)

DATE

07/08/2016



# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT

## STAFF REPORT

Board Meeting Date: February 21, 2017

Fire Chief

Finance

Legal

Risk Mgt.

HR

**DATE:** February 9, 2017

**TO:** Truckee Meadows Fire Protection District Board of Fire Commissioners

**FROM:** Charles A. Moore, Fire Chief

Phone: (775) 328-6123 Email: [cmoore@tmfpd.us](mailto:cmoore@tmfpd.us)

**SUBJECT:** Discussion and direction to staff regarding 2017 Nevada Legislative Session and other legislative issues proposed by legislators, or by other entities permitted by the Nevada State Legislature to submit bill draft requests, or such legislative issues as may be deemed by the Chair or the Board to be of critical significance to Truckee Meadows Fire Protection District to include, but not limited to, supporting Senate Bill 60 (SB,60) which revises provisions governing Medicaid payments for ground emergency medical transportation, and Senate Bill 67 (SB67), which revises certain provision related to fire safety requirements, and authorize the Fire Chief to testify if deemed necessary. (All Commission Districts)

### SUMMARY

This item is discussion and direction to staff regarding 2017 Nevada Legislative Session and other legislative issues proposed by legislators, or by other entities permitted by the Nevada State Legislature to submit bill draft requests, or such legislative issues as may be deemed by the Chair or the Board to be of critical significance to Truckee Meadows Fire Protection District to include, but not limited to, SB60 and SB67.

### PREVIOUS ACTION

None

### BACKGROUND

SB60 revises provisions governing Medicaid payments for ground emergency medical transportation services. *Federal law requires the Federal Government to pay to each state for which the Federal Government has approved a State Plan for Medicaid a certain percentage of the total amount expended as medical assistance under the State Plan. The states are responsible for the remaining share of such expenditures. (42 U.S.C. § 1396b(a)). Federal law also allows certain governmental entities and federally recognized Indian tribes to receive supplemental reimbursements in addition to the federal payments discussed above for certain health care services, including ground emergency medical transportation services, pursuant to a State Plan for Medicaid.* This bill may allow for the District to be reimbursed by Medicaid for expenses incurred during ambulance transportation services above the nominal rate.

SB67 relates to the State Fire Marshal and revises certain provisions related to fire safety requirements in certain multi-story buildings where human occupancy is permitted. *Existing law requires the owner or*

*operator of every hotel, motel, office, apartment building or condominium where human occupancy is permitted on floors which are more than 55 feet above the lowest level of ground accessible to vehicles of a fire department to take certain measures to enhance safety from fire, including equipping certain areas of that building with fire sprinklers. (NRS 477.150) This bill provides that these requirements relating to fire safety do not apply in certain larger counties in this State (currently Clark County) if the code of the county is at least as stringent as the most recently published edition of the International Fire Code.*

### **FISCAL IMPACT**

SB67 has no fiscal impact. The passage of SB60 may establish the ability for the District to recover costs more in line with actual expenses.

### **RECOMMENDATION**

It is recommended the Board of Fire Commissioners of the Truckee Meadows Fire Protection District to support SB60, which revises provisions governing Medicaid payments for ground emergency medical transportation, and SB67, which revises certain provision related to fire safety requirements, and authorize Fire Chief Moore to testify if deemed necessary.

### **POSSIBLE MOTION**

Should the Board agree with staff's recommendation, a possible motion would be:

*"I move to approve District support for SB60 and SB67 authorize the Fire Chief to testify if deemed necessary."*

SENATE BILL NO. 60—COMMITTEE ON  
HEALTH AND HUMAN SERVICES

(ON BEHALF OF THE CITY OF LAS VEGAS)

PREFILED NOVEMBER 17, 2016

Referred to Committee on Health and Human Services

**SUMMARY**—Revises provisions governing Medicaid payments for ground emergency medical transportation services. (BDR 38-411)

**FISCAL NOTE:** Effect on Local Government: No.  
Effect on the State: Yes.

EXPLANATION – Matter in *bolded italics* is new; matter between brackets ~~[omitted material]~~ is material to be omitted.

AN ACT relating to Medicaid; requiring the Director of the Department of Health and Human Services to include in the State Plan for Medicaid voluntary programs through which certain governmental entities and Indian tribes may obtain supplemental payments for providing ground emergency medical transportation services to recipients of Medicaid; requiring a participating governmental entity or Indian tribe to reimburse the Department for the costs of implementing and administering the program; and providing other matters properly relating thereto.

**Legislative Counsel's Digest:**

- 1 Federal law requires the Federal Government to pay to each state for which the
- 2 Federal Government has approved a State Plan for Medicaid a certain percentage of
- 3 the total amount expended as medical assistance under the State Plan. The states are
- 4 responsible for the remaining share of such expenditures. (42 U.S.C. § 1396b(a))
- 5 Federal law also allows certain governmental entities and federally recognized
- 6 Indian tribes to receive supplemental reimbursements in addition to the federal
- 7 payments discussed above for certain health care services, including ground
- 8 emergency medical transportation services, pursuant to a State Plan for Medicaid.
- 9 (42 U.S.C. §§ 1396a and 1396b; 42 C.F.R. §§ 433.50-433.74)
- 10 **Section 10** of this bill requires the Director of the Department of Health and
- 11 Human Services to include in the State Plan for Medicaid a voluntary program
- 12 whereby such a governmental entity or Indian tribe may receive supplemental
- 13 reimbursements, in addition to the payments the governmental entity or Indian tribe



14 would otherwise receive from Medicaid, for ground emergency medical  
15 transportation services which are provided to recipients of Medicaid. In order to  
16 receive such reimbursements, the governmental entity or Indian tribe must: (1) hold  
17 a permit to operate an ambulance or vehicle of a fire-fighting agency; (2)  
18 participate in the State Plan for Medicaid; (3) enter into an agreement with the  
19 Department to reimburse the Department for the costs of implementing and  
20 administering the program; (4) pay the nonfederal share of the expenditures arising  
21 from providing such services; (5) certify that the claimed expenditures are eligible  
22 for federal financial participation; (6) submit to the Department any required  
23 evidence of the claimed expenditures; and (7) maintain any records required by the  
24 Department.

25 **Section 11** of this bill requires the Director to include in the State Plan a  
26 voluntary program to provide increased "capitation" (per patient) payments to a  
27 governmental entity or Indian tribe for ground emergency medical transportation  
28 services which are rendered pursuant to a contract or other arrangement with a  
29 Medicaid managed care plan. In order to participate in the program, a governmental  
30 entity, Indian tribe or managed care plan is required to enter into an agreement with  
31 the Department to: (1) comply with any request made by the Department to provide  
32 any information or data necessary to claim federal money or obtain federal  
33 approval; and (2) reimburse the Department for the administrative costs of the  
34 Department for implementing and administering the program. The program would  
35 require the governmental entity or Indian tribe to make intergovernmental transfers  
36 of money to the Department in an amount corresponding with the amount of money  
37 spent rendering ground emergency medical transportation services. The Department  
38 would then use that money and money from the Federal Government to make  
39 increased capitation payments. **Section 11** also requires the Department to collect  
40 from each intergovernmental transfer a fee of 20 percent of the nonfederal share  
41 paid to the Department.

42 **Sections 10 and 11** also provide that supplemental reimbursements and  
43 increased capitation payments will be paid only to the extent approved by the  
44 Federal Government.

---

THE PEOPLE OF THE STATE OF NEVADA, REPRESENTED IN  
SENATE AND ASSEMBLY, DO ENACT AS FOLLOWS:

1 **Section 1.** Chapter 422 of NRS is hereby amended by adding  
2 thereto the provisions set forth as sections 2 to 11, inclusive, of this  
3 act.

4 **Sec. 2.** *As used in sections 2 to 11, inclusive, of this act,*  
5 *unless the context otherwise requires, the words and terms defined*  
6 *in sections 3 to 9, inclusive, of this act have the meanings ascribed*  
7 *to them in those sections.*

8 **Sec. 3.** *"Advanced emergency medical technician" has the*  
9 *meaning ascribed to it in NRS 450B.025.*

10 **Sec. 4.** *"Ambulance" has the meaning ascribed to it in*  
11 *NRS 450B.040.*

12 **Sec. 5.** *"Emergency medical technician" has the meaning*  
13 *ascribed to it in NRS 450B.065.*

14 **Sec. 6.** *"Fire-fighting agency" has the meaning ascribed to it*  
15 *in NRS 450B.072.*





1     **Sec. 7.** *"Governmental provider" means a provider of*  
2 *ground emergency medical transportation services that is owned*  
3 *or operated by a state or local governmental entity or federally*  
4 *recognized Indian tribe.*

5     **Sec. 8.** *"Ground emergency medical transportation services"*  
6 *means emergency medical transportation services provided by an*  
7 *ambulance or a vehicle of a fire-fighting agency, including,*  
8 *without limitation, services provided by emergency medical*  
9 *technicians, advanced emergency medical technicians and*  
10 *paramedics in prestabilizing patients and preparing patients for*  
11 *transport.*

12     **Sec. 9.** *"Paramedic" has the meaning ascribed to it in*  
13 *NRS 450B.095.*

14     **Sec. 10. 1.** *The Director shall include in the State Plan for*  
15 *Medicaid a voluntary program to provide supplemental*  
16 *reimbursements for ground emergency medical transportation*  
17 *services which are provided to recipients of Medicaid. The*  
18 *program must:*

19     *(a) Provide that a governmental provider receive, in addition to*  
20 *the rate of payment that the governmental entity or Indian tribe*  
21 *would otherwise receive for ground emergency medical*  
22 *transportation services provided to recipients of Medicaid,*  
23 *supplemental reimbursements for such services if the*  
24 *governmental provider meets the requirements of subsection 2;*  
25 *and*

26     *(b) Be implemented without money from the State General*  
27 *Fund.*

28     **2.** *A governmental provider is not required to participate in*  
29 *the program established pursuant to this section. A governmental*  
30 *provider that wishes to participate and receive the supplemental*  
31 *reimbursements described in subsection 1 must:*

32     *(a) Hold a permit to operate an ambulance or a permit to*  
33 *operate a vehicle of a fire-fighting agency at the scene of an*  
34 *emergency issued pursuant to NRS 450B.200;*

35     *(b) Participate as a provider in the State Plan for Medicaid;*

36     *(c) Enter into an agreement with the Department to reimburse*  
37 *the Department for the costs of implementing and administering*  
38 *the program;*

39     *(d) Submit to the Department documentation supporting the*  
40 *amount claimed as expenditures for ground emergency medical*  
41 *transportation services provided to recipients of Medicaid and*  
42 *certifying that the claimed expenditures are eligible for federal*  
43 *financial participation in accordance with 42 C.F.R. § 433.51;*

44     *(e) Submit to the Department any evidence required by the*  
45 *Department to support the certification required by paragraph (d)*



1 and any data required by the Department to determine the  
2 appropriate amount to claim as expenditures that qualify for  
3 federal financial participation in accordance with the  
4 requirements of 42 C.F.R. § 433.51; and

5 (f) Prepare and maintain any records required by the  
6 Department in an easily accessible manner.

7 3. The nonfederal share of the amount claimed as  
8 expenditures pursuant to paragraph (d) of subsection 2 must be  
9 absorbed by the governmental provider.

10 4. The Department shall:

11 (a) Evaluate the information submitted pursuant to subsection  
12 2 and submit claims for reimbursement to the Centers for  
13 Medicare and Medicaid Services of the United States Department  
14 of Health and Human Services for the expenditures that the  
15 Department determines qualify for federal financial participation  
16 in accordance with the requirements of 42 C.F.R. § 433.51.

17 (b) Obtain prior approval from the Centers for Medicare and  
18 Medicaid Services of the manner in which supplemental  
19 reimbursements will be calculated and distributed pursuant to this  
20 section.

21 (c) Calculate and distribute supplemental reimbursements in  
22 the manner approved by the Centers for Medicare and Medicaid  
23 Services.

24 (d) Cooperate with the Centers for Medicare and Medicaid  
25 Services in carrying out the program established pursuant to this  
26 section and comply with all requirements of the Centers for  
27 Medicare and Medicaid Services, including, without limitation,  
28 those prescribed by 42 C.F.R. § 433.74, and any other applicable  
29 federal law.

30 (e) Carry out the program established pursuant to this section  
31 only to the extent approved by the Centers for Medicare and  
32 Medicaid Services.

33 (f) Annually submit any necessary materials to the Centers for  
34 Medicare and Medicaid Services to ensure that claims for federal  
35 financial participation include only expenditures authorized under  
36 federal law.

37 5. Supplemental reimbursements for ground emergency  
38 medical transportation services paid to a governmental provider  
39 pursuant to this section:

40 (a) Must not exceed the amount of federal financial  
41 participation received for claimed expenditures submitted  
42 pursuant to paragraph (d) of subsection 2; and

43 (b) Must not, when combined with all other payments received  
44 for the ground emergency medical transportation services  
45 pursuant to the State Plan for Medicaid, exceed the costs of the





1 governmental provider for providing the ground emergency  
2 medical transportation services.

3 **Sec. 11. 1. The Director shall, in consultation with**  
4 **governmental providers and Medicaid managed care plans,**  
5 **develop and include in the State Plan for Medicaid a voluntary**  
6 **program to provide increased capitation payments to**  
7 **governmental providers and Medicaid managed care plans for**  
8 **ground emergency medical transportation services which are**  
9 **rendered pursuant to a contract or other arrangement between a**  
10 **governmental provider and a Medicaid managed care plan. The**  
11 **program must be implemented without money from the State**  
12 **General Fund.**

13 2. A governmental provider or Medicaid managed care plan  
14 that wishes to participate in the program established pursuant to  
15 this section must enter into an agreement with the Department to:

16 (a) Comply with any request by the Department for  
17 information or data necessary to claim federal money or obtain  
18 federal approval in connection with the program; and

19 (b) Reimburse the Department as provided in subsection 7 for  
20 the administrative costs incurred by the Department in  
21 implementing and administering the program.

22 3. A governmental provider is not required to participate in  
23 the program established pursuant to this section. In addition to  
24 complying with the requirements of subsection 2, a governmental  
25 provider that wishes to participate in the program established  
26 pursuant to this section must:

27 (a) Hold a permit to operate an ambulance or a permit to  
28 operate a vehicle of a fire-fighting agency at the scene of an  
29 emergency issued pursuant to NRS 450B.200; and

30 (b) Provide ground emergency medical services to recipients of  
31 Medicaid pursuant to a contract or other arrangement with a  
32 Medicaid managed care plan.

33 4. A governmental provider that meets the requirements of  
34 subsections 2 and 3 and wishes to receive increased capitation  
35 payments must make an intergovernmental transfer of money to  
36 the Department in an amount corresponding with the amount that  
37 the governmental provider has spent on ground emergency  
38 medical transportation services. To the extent that such  
39 intergovernmental transfers of money are made by and accepted  
40 from a governmental provider, the Department shall make  
41 increased capitation payments to the applicable Medicaid  
42 managed care plan. To the extent permissible under federal law,  
43 the increased capitation payments must be in amounts actuarially  
44 equivalent to or greater than the supplemental payments available  
45 under the program established pursuant to section 10 of this act



1 *for governmental providers who provide services on a fee-for-*  
2 *service basis.*

3 *5. Except as otherwise provided in subsection 6, all money*  
4 *associated with intergovernmental transfers made and accepted*  
5 *pursuant to subsection 4 must be used to make additional*  
6 *payments to governmental providers under the program*  
7 *established pursuant to this section. A Medicaid managed care*  
8 *plan shall pay all of any increased capitation payments made*  
9 *pursuant to subsection 4 to a governmental provider for ground*  
10 *emergency medical transportation services pursuant to a contract*  
11 *or other arrangement with the Medicaid managed care plan.*

12 *6. The Department shall implement the program described in*  
13 *this section only to the extent that the program is approved by the*  
14 *Centers for Medicare and Medicaid Services and federal financial*  
15 *participation is available. To the extent authorized by federal law,*  
16 *the Department may implement the program for ground*  
17 *emergency medical transportation services provided before the*  
18 *effective date of this section.*

19 *7. The Department shall collect from each intergovernmental*  
20 *transfer of money made under the provisions of this section an*  
21 *administrative fee of 20 percent of the nonfederal share paid to the*  
22 *Department. The payment of such a fee is an allowable cost for*  
23 *Medicaid reimbursement purposes.*

24 *8. If the Director determines that payments made under the*  
25 *provisions of this section do not comply with federal requirements*  
26 *relating to Medicaid, the Director may:*

27 *(a) Return or refuse to accept an intergovernmental transfer;*  
28 *or*

29 *(b) Adjust any payment made under the provisions of this*  
30 *section to comply with federal requirements relating to Medicaid.*

31 *9. As used in this section, "Medicaid managed care plan"*  
32 *means a health maintenance organization that provides health*  
33 *care services through managed care to recipients of Medicaid*  
34 *under the State Plan for Medicaid.*

35 **Sec. 12.** NRS 232.320 is hereby amended to read as follows:

36 232.320 1. The Director:

37 (a) Shall appoint, with the consent of the Governor,  
38 administrators of the divisions of the Department, who are  
39 respectively designated as follows:

40 (1) The Administrator of the Aging and Disability Services  
41 Division;

42 (2) The Administrator of the Division of Welfare and  
43 Supportive Services;

44 (3) The Administrator of the Division of Child and Family  
45 Services;



1 (4) The Administrator of the Division of Health Care  
2 Financing and Policy; and

3 (5) The Administrator of the Division of Public and  
4 Behavioral Health.

5 (b) Shall administer, through the divisions of the Department,  
6 the provisions of chapters 63, 424, 425, 427A, 432A to 442,  
7 inclusive, 446 to 450, inclusive, 458A and 656A of NRS, NRS  
8 127.220 to 127.310, inclusive, 422.001 to 422.410, inclusive, **and**  
9 **sections 2 to 11, inclusive, of this act**, 422.580, 432.010 to 432.133,  
10 inclusive, 432B.621 to 432B.626, inclusive, 444.002 to 444.430,  
11 inclusive, and 445A.010 to 445A.055, inclusive, and all other  
12 provisions of law relating to the functions of the divisions of the  
13 Department, but is not responsible for the clinical activities of the  
14 Division of Public and Behavioral Health or the professional line  
15 activities of the other divisions.

16 (c) Shall administer any state program for persons with  
17 developmental disabilities established pursuant to the  
18 Developmental Disabilities Assistance and Bill of Rights Act of  
19 2000, 42 U.S.C. §§ 15001 et seq.

20 (d) Shall, after considering advice from agencies of local  
21 governments and nonprofit organizations which provide social  
22 services, adopt a master plan for the provision of human services in  
23 this State. The Director shall revise the plan biennially and deliver a  
24 copy of the plan to the Governor and the Legislature at the  
25 beginning of each regular session. The plan must:

26 (1) Identify and assess the plans and programs of the  
27 Department for the provision of human services, and any  
28 duplication of those services by federal, state and local agencies;

29 (2) Set forth priorities for the provision of those services;

30 (3) Provide for communication and the coordination of those  
31 services among nonprofit organizations, agencies of local  
32 government, the State and the Federal Government;

33 (4) Identify the sources of funding for services provided by  
34 the Department and the allocation of that funding;

35 (5) Set forth sufficient information to assist the Department  
36 in providing those services and in the planning and budgeting for the  
37 future provision of those services; and

38 (6) Contain any other information necessary for the  
39 Department to communicate effectively with the Federal  
40 Government concerning demographic trends, formulas for the  
41 distribution of federal money and any need for the modification of  
42 programs administered by the Department.

43 (e) May, by regulation, require nonprofit organizations and state  
44 and local governmental agencies to provide information regarding  
45 the programs of those organizations and agencies, excluding



1 detailed information relating to their budgets and payrolls, which the  
2 Director deems necessary for the performance of the duties imposed  
3 upon him or her pursuant to this section.

4 (f) Has such other powers and duties as are provided by law.

5 2. Notwithstanding any other provision of law, the Director, or  
6 the Director's designee, is responsible for appointing and removing  
7 subordinate officers and employees of the Department, other than  
8 the State Public Defender of the Office of State Public Defender  
9 who is appointed pursuant to NRS 180.010.

10 **Sec. 13.** 1. This section becomes effective upon passage and  
11 approval.

12 2. Sections 1 to 12, inclusive, of this act become effective upon  
13 passage and approval for the purpose of performing any tasks  
14 necessary to obtain the approval of the Centers for Medicare and  
15 Medicaid Services for the programs described in sections 10 and 11  
16 of this act.

17 3. For all other purposes:

18 (a) Sections 1 to 9, inclusive, and 12 of this act become effective  
19 on the date:

20 (1) That the program to provide supplemental  
21 reimbursements for ground emergency medical transportation  
22 services established pursuant to section 10 of this act is approved by  
23 the Centers for Medicare and Medicaid Services; or

24 (2) On which the program to provide increased capitation  
25 payments to governmental providers for ground emergency medical  
26 transportation services established pursuant to section 11 of this act  
27 is approved by the Centers for Medicare and Medicaid Services,  
28 ➔ whichever is earlier;

29 (b) Section 10 of this act becomes effective on the date that the  
30 program to provide supplemental reimbursements for ground  
31 emergency medical transportation services established pursuant to  
32 that section is approved by the Centers for Medicare and Medicaid  
33 Services; and

34 (c) Section 11 of this act becomes effective on the date that the  
35 program to provide increased capitation payments to governmental  
36 providers for ground emergency medical transportation services  
37 established pursuant to that section is approved by the Centers for  
38 Medicare and Medicaid Services.





SENATE BILL NO. 67—COMMITTEE ON GOVERNMENT AFFAIRS

(ON BEHALF OF THE CITY OF LAS VEGAS)

PREFILED NOVEMBER 17, 2016

Referred to Committee on Government Affairs

SUMMARY—Revises provisions relating to fire safety requirements for multi-story buildings occupied by people. (BDR 42-412)

FISCAL NOTE: Effect on Local Government: May have Fiscal Impact.  
Effect on the State: Yes.

EXPLANATION – Matter in ***bolded italics*** is new; matter between brackets ~~omitted material~~ is material to be omitted.

AN ACT relating to the State Fire Marshal; revising certain provisions relating to fire safety requirements in certain multi-story buildings where human occupancy is permitted; and providing other matters properly relating thereto.

**Legislative Counsel's Digest:**

1 Existing law requires the owner or operator of every hotel, motel, office,  
2 apartment building or condominium where human occupancy is permitted on floors  
3 which are more than 55 feet above the lowest level of ground accessible to vehicles  
4 of a fire department to take certain measures to enhance safety from fire, including  
5 equipping certain areas of that building with fire sprinklers. (NRS 477.150) This  
6 bill provides that these requirements relating to fire safety do not apply in certain  
7 larger counties in this State (currently Clark County) if the code of the county is at  
8 least as stringent as the most recently published edition of the *International Fire*  
9 *Code* and the *International Building Code* published by the International Code  
10 Council.

THE PEOPLE OF THE STATE OF NEVADA, REPRESENTED IN  
SENATE AND ASSEMBLY, DO ENACT AS FOLLOWS:

1 **Section 1.** NRS 477.150 is hereby amended to read as follows:  
2 477.150 ~~{The}~~  
3 ***1. Except as otherwise provided in subsection 2, the*** owner or  
4 operator of every hotel, motel, office, apartment building or



1 condominium where human occupancy is permitted on floors which  
2 are more than 55 feet above the lowest level of ground accessible to  
3 vehicles of a fire department, shall:

4 ~~{1.}~~ (a) Equip each exit corridor of the building with fire  
5 sprinklers as required by regulations of the State Fire Marshal;

6 ~~{2.}~~ (b) Except in a condominium, equip each room with at least  
7 one fire sprinkler above each door opening into an exit corridor of  
8 the building;

9 ~~{3.}~~ (c) Equip every elevator so as to permit it to be recalled  
10 automatically, in compliance with section A 17.1 of the 1978 edition  
11 of the American National Standards Institute and section 211.3 of  
12 the 1981 amendments to that edition, to the first floor or, if  
13 necessary, to any other floor of the building not affected by fire;

14 ~~{4.}~~ (d) Post the number of each floor in every stairwell and in  
15 every lobby adjacent to an elevator;

16 ~~{5.}~~ (e) Equip the heating, ventilating and air-conditioning  
17 system with an automatic device to shut it off as prescribed in  
18 section 1009 of the 1979 edition of the Uniform Mechanical Code,  
19 and with an additional smoke detector as required by the 1978  
20 edition of National Fire Protection Association Standard 90A; ~~and~~

21 ~~—6.}~~ (f) In each room primarily used for sleeping, except in a  
22 condominium:

23 ~~{(a)}~~ (1) Post in a prominent location an explanation of the route  
24 to use for evacuation of the building; and

25 ~~{(b)}~~ (2) Install a paging alarm system which conforms to the  
26 regulations of the State Fire Marshal, to permit vocal warning and  
27 instructions to the occupants ~~{.}~~; and

28 ~~{7.}~~ (g) In a condominium, install in the common areas a paging  
29 alarm system meeting the requirements of ~~{paragraph (b) of~~  
30 ~~subsection 6.}~~ *subparagraph (2) of paragraph (f)*, with a sound  
31 level of 80 decibels.

32 *2. The provisions of subsection 1 do not apply in a county*  
33 *whose population is 700,000 or more which has adopted a code at*  
34 *least as stringent as the International Fire Code and the*  
35 *International Building Code, published by the International Code*  
36 *Council. To maintain the exemption from the applicability of the*  
37 *provisions of subsection 1, the code of the county must be at least*  
38 *as stringent as the most recently published edition of the*  
39 *International Fire Code and the International Building Code*  
40 *within 1 year after publication of such an edition.*

41 **Sec. 2.** This act becomes effective on July 1, 2017.







## **MEMORANDUM**

February 10, 2017

To: Board of Fire Commissioners  
Truckee Meadows Fire Protection District

Fm: Charles A. Moore, Fire Chief

Re: Fire Chief's Report and Incident Statistics for November and December 2016

This report highlights fire district operations for the month of December 2016 and provides statistical summaries for career and volunteer operations and training.

Other issue updates requested by the Board which will be discussed at the meeting are as follows:

- Volunteer Census and Program Status
- Succession Planning
- Verdi Fire Protection Water

### Volunteer Census and Program Status:

Attached to this memo is current census of operational and support volunteers. The total is currently 64. In addition, there are 7 reservists for a total of 71. With the addition of a Division Chief of EMS and Training, there will be more time available for future recruiting efforts. The Board may recall the District funded the position of Fire Officer for Strategic and Volunteer Services, but the position was vacated some months ago. The District is consolidating all training functions for both career and volunteer into the Division Chief of EMS and Training.

I have also attached a status summary of the Volunteer Transition Plan.

### Succession Planning:

Recruitment for Deputy Chief and Division Chief has closed. The recruiting firm is in process of determining qualifications and will present a list of semi-finalists to me shortly.

Succession Planning (continued):

Attached is a proposed 2017 organizational chart for the District and I will discuss other succession planning issues at the podium.

Verdi Fire Protection Water and Maps:

Commissioner Berkgigler requested information showing jurisdiction and station locations in Verdi. Map 1 generically describes “Verdi” in the heavy purple line. Map 2 is a larger view that pans out to show the area protected by TM career station 35, TM volunteer station 351 and two City of Reno fire stations.

I will reference these maps and provide you more information at the meeting that addresses:

- Station locations
- Water supply
- Characteristics of rural, suburban and urban levels of service.

# TMFPD – Volunteer Transition Plan Update

2/21/2017

On January 27, 2015 the Truckee Meadows Fire Protection District Board of Fire Commissioners directed staff to reconfigure the organization's volunteer services. Identified in the Volunteer Program Needs Assessment – 2011, the Blue Ribbon Committee Report on Regional Fire Services – 2014 and TMFPD's Audit Report – June 2014, were recommendations to directly manage all volunteers in lieu of contracts with individual non-profit organizations. These changes were initiated January 1, 2016.

Below is a progress summary on nine functional areas:

1. Administration – 9 of the 10 tasks completed; 1 task in process
2. Operations – 8 of the 10 tasks completed; 2 tasks in process
3. Training – 5 of the 7 tasks completed; 2 tasks in process
4. Prevention – 8 of the 10 tasks completed; 2 tasks in process
5. Logistics, Fleet, and Facilities – 7 of the 8 tasks completed; 1 task in process
6. Risk Management – 3 of the 3 tasks completed
7. Legal – 8 of the 8 tasks completed
8. Human Resources – 3 of the 4 tasks completed, 1 in process
9. Internal and External Information – 5 of the 6 tasks completed, 1 in process.

A sample of key tasks completed includes:

- A new records system to track all volunteer information including training and annual physical exam records
- A new recruitment, application and intake process for new volunteers
- Development of a HR Policy Handbook for volunteers
- Development of a Best Practice Handbook for Operations by volunteers
- Determination of response capabilities and skill qualifications for volunteers and the levels of participation
- Development of training schedule and modules to define skills and abilities required
- Development of records keeping systems for PPE and other equipment issued by the District to individual volunteers
- Established a Station Use Policy and Procedure for stations owned by TMFPD

## **TMFPD Volunteer Summary (As of 2/14/17)**

### **Truckee Meadows Fire Protection District Volunteers**

| <b>Station</b>                | <b>Operational Volunteers</b> | <b>Support Volunteers</b> |
|-------------------------------|-------------------------------|---------------------------|
| Lemmon Valley 223             | 8                             | 1                         |
| Palomino Valley Auxiliary 229 | 3                             | 6                         |
| *Red Rock 240                 | 7                             | 4                         |
| Silver Lake 221               | 7                             | 1                         |
| South Valley 227/301          | 9                             | 10                        |
| Verdi 351                     | 6                             | 2                         |
| <b>Totals</b>                 | <b>40</b>                     | <b>24</b>                 |

*\*District Volunteers at Washoe County Fire Services Station*

## **Volunteer Recruitment History**

### **2015 Volunteer Orientation Meetings**

| <b>Date of Orientation</b> | <b>Number of Interested People Who Contacted the District to Volunteer</b> | <b>Number of People who Attended the Orientation</b> | <b>Number of Applications Received</b> | <b>Number of Volunteers Resulting From Recruitment</b> |
|----------------------------|--|--|--|--|
| 3/11/2015                  | 35   | 8  | 10                                     | 0  |
| 5/13/2015                  | 8  | 3  | 2                                      | 0  |

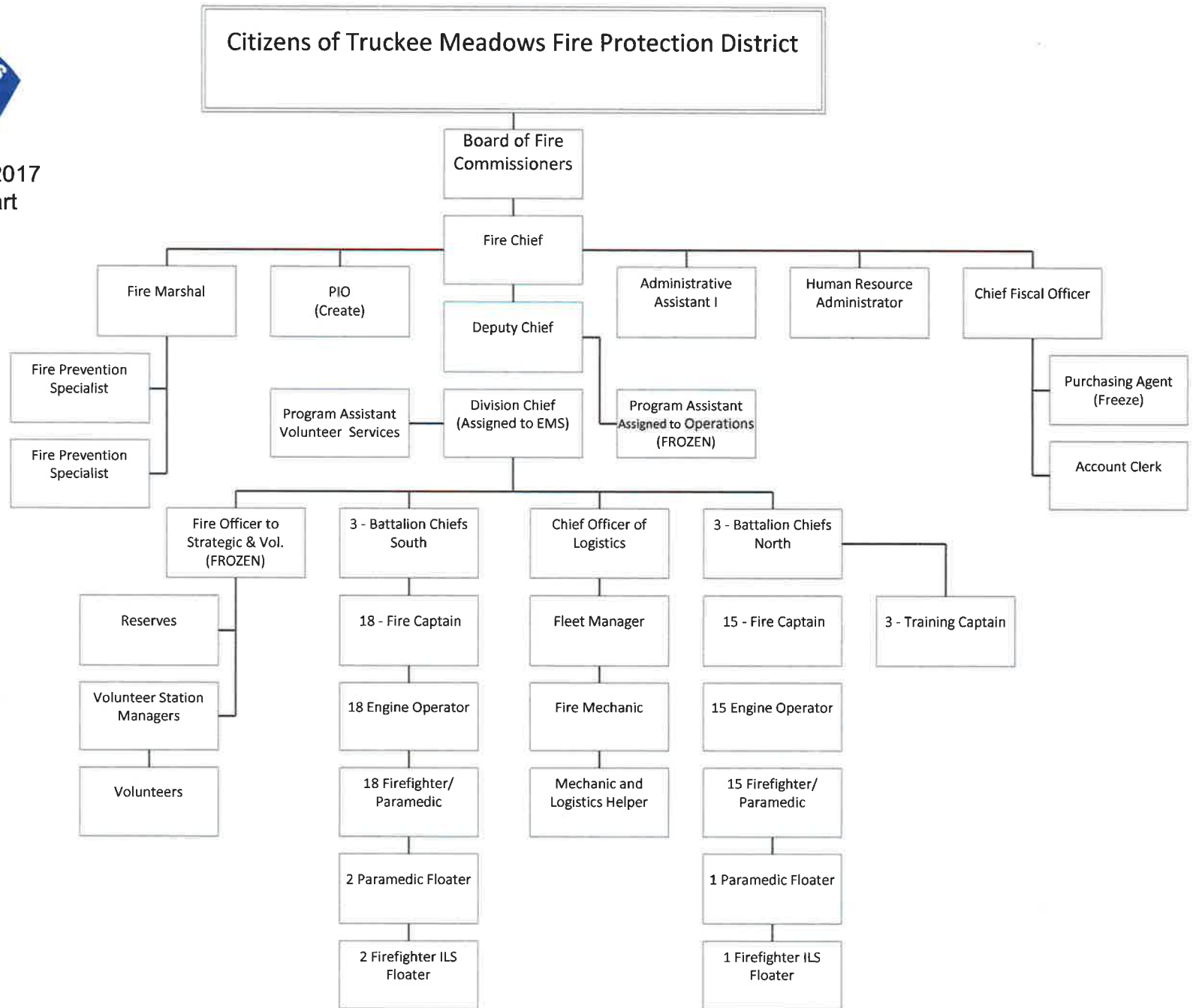
### **2016 Volunteer Orientation Meetings**

| <b>Date of Orientation</b> | <b>Number of Interested People Who Contacted the District to Volunteer</b> | <b>Number of People who Attended the Orientation</b> | <b>Number of Applications Received</b> | <b>Number of Volunteers Resulting From Recruitment</b> |
|----------------------------|--|--|--|--|
| 2/20/2016                  | 22   | 15   | 13                                     | 6  |
| 10/13/2016                 | 50   | 21   | 3                                      | 0  |

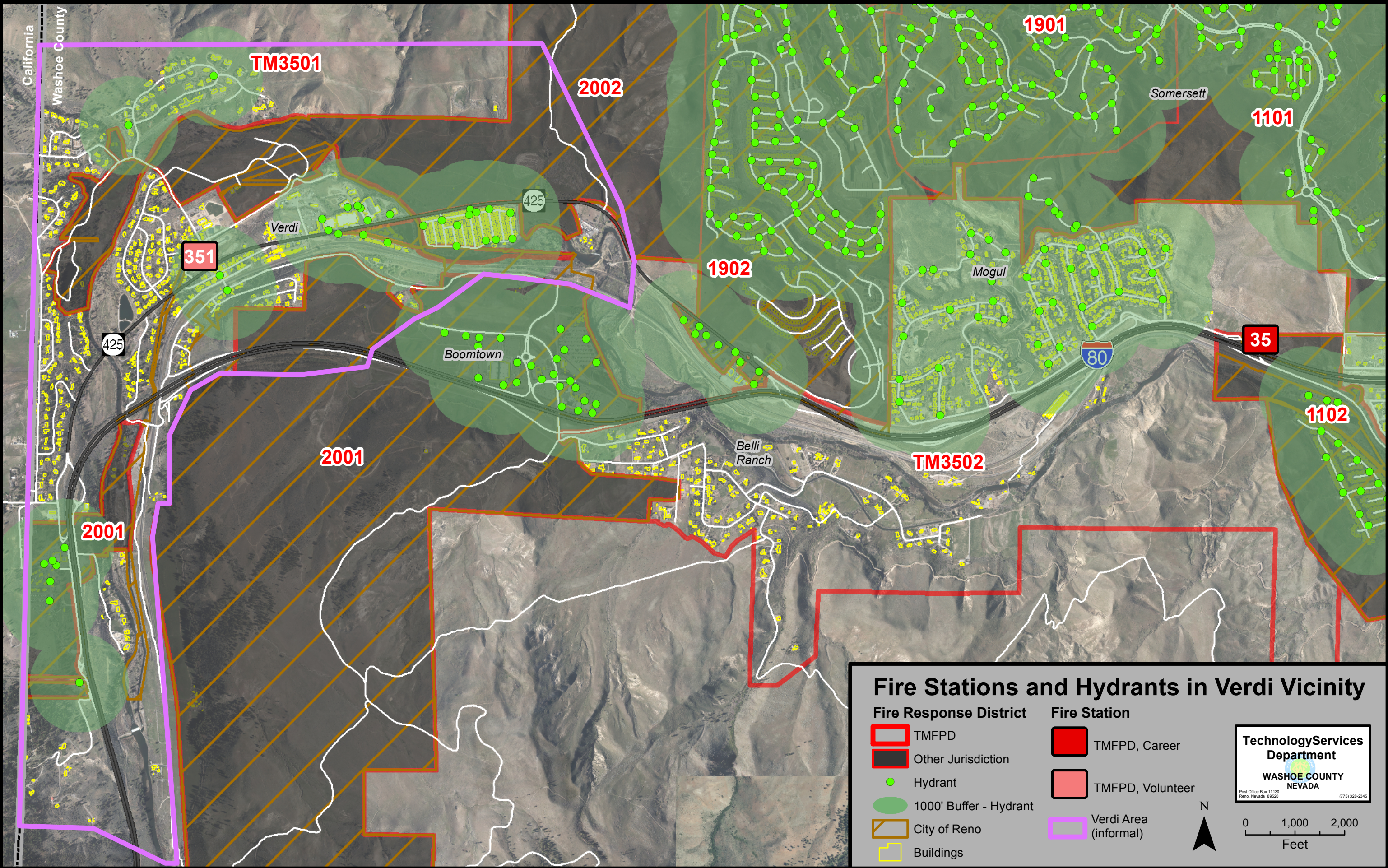
**In the past two years, 115 people contacted the District stating an interest in volunteering. Of this group, 47 attended orientation meetings and received applications. These recruitment efforts resulted in a total of 6 current Volunteers.**



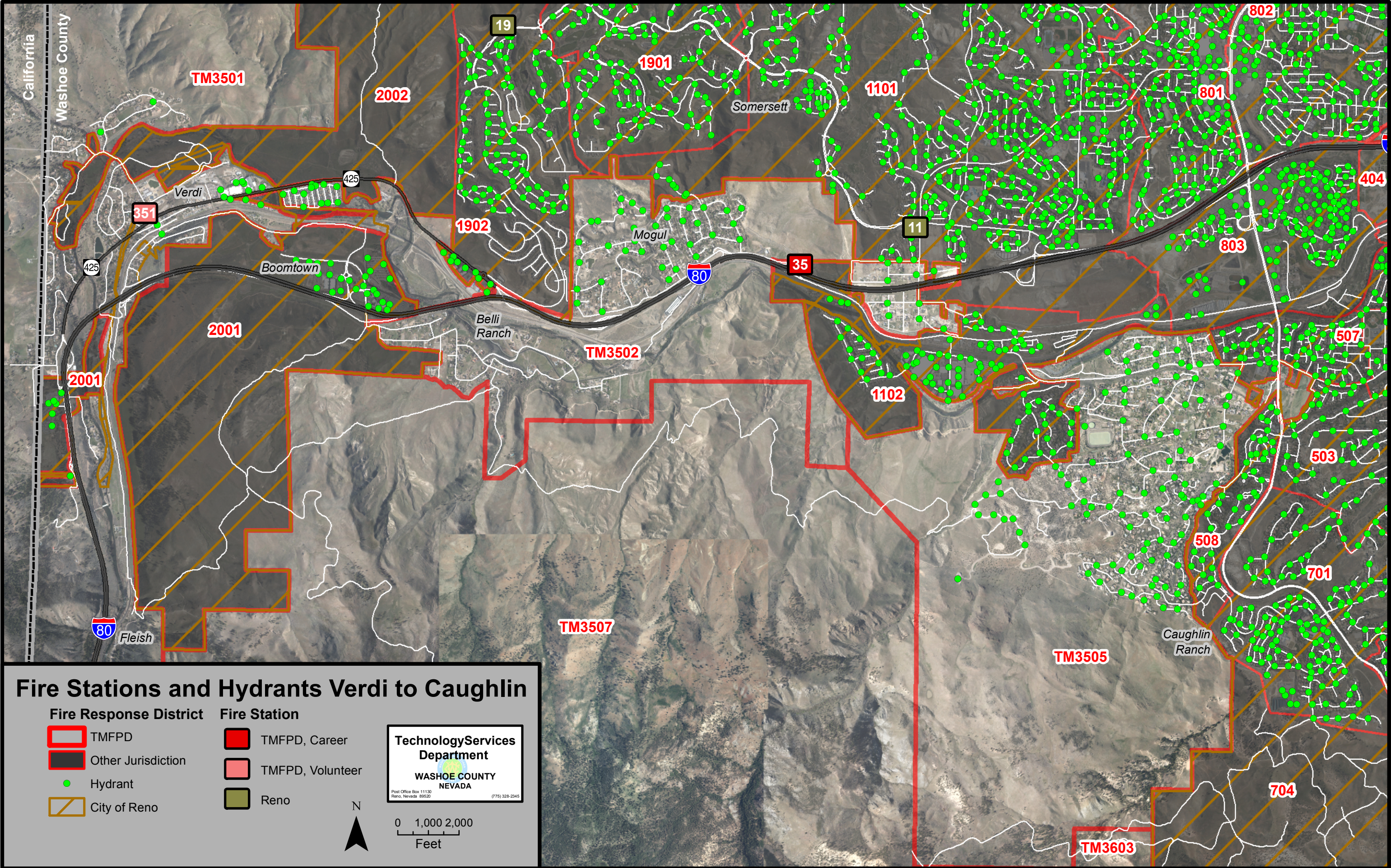
## TMFPD's Proposed 2017 Organizational Chart















# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT MONTHLY REPORT

**November 2016**

The following report contains non-audited figures based on data extracted from the District's incident reporting system and Washoe County E-Comm Dispatch.

| Monthly Call Volume by Station & Type |                  |                   |                |                      |                     |                  |                      |                    |                |                   |                   |          |            |
|---------------------------------------|------------------|-------------------|----------------|----------------------|---------------------|------------------|----------------------|--------------------|----------------|-------------------|-------------------|----------|------------|
| INCIDENT TYPE                         | STATION/DISTRICT |                   |                |                      |                     |                  |                      |                    |                |                   |                   |          |            |
|                                       | 13- Stead        | 14- Damonte Ranch | 15- Sun Valley | 16- E. Washoe Valley | 17- Spanish Springs | 18- Cold Springs | 30- W. Washoe Valley | 35- Verdi/Caughlin | 36- Arrowcreek | 37- Hidden Valley | 39- Galena Forest | Other    | TOTAL      |
| Structure Fire                        | 2                | 1                 | 2              | 1                    | 2                   |                  |                      |                    |                | 1                 |                   | 1        | 10         |
| Wildland Fire                         |                  |                   |                |                      |                     |                  |                      |                    |                |                   |                   | 3        | 3          |
| Vehicle/Trash/Other Fire              | 1                |                   | 2              |                      | 3                   | 2                |                      | 1                  |                |                   |                   |          | 9          |
| Emergency Medical Services            | 43               | 31                | 137            | 28                   | 113                 | 55               | 5                    | 14                 | 23             | 19                | 7                 | 1        | 476        |
| Motor Vehicle Accident                | 8                | 7                 | 17             | 2                    | 7                   | 4                | 2                    | 4                  | 4              | 2                 | 3                 | 2        | 62         |
| Rescue                                |                  |                   | 1              |                      |                     | 1                |                      |                    |                |                   |                   |          | 2          |
| Haz-Mat/Hazardous Condition           | 2                |                   | 7              |                      |                     |                  |                      | 2                  | 1              |                   |                   |          | 12         |
| Public Assist                         | 4                | 4                 | 12             | 1                    | 5                   | 6                | 1                    | 3                  | 3              | 4                 |                   |          | 43         |
| Good Intent Call                      | 16               | 8                 | 32             | 3                    | 16                  | 11               | 4                    | 3                  | 4              | 20                | 5                 |          | 122        |
| Activated Fire Alarm                  |                  | 7                 | 5              | 1                    | 3                   | 3                |                      | 4                  | 2              | 2                 | 5                 |          | 32         |
| Severe Weather Related                |                  | 1                 |                |                      |                     |                  |                      |                    |                |                   |                   |          | 1          |
| Other                                 |                  |                   |                |                      |                     |                  |                      |                    |                |                   |                   |          | 0          |
| <b>NOVEMBER 2016 TOTAL</b>            | <b>76</b>        | <b>59</b>         | <b>215</b>     | <b>36</b>            | <b>149</b>          | <b>82</b>        | <b>12</b>            | <b>31</b>          | <b>37</b>      | <b>48</b>         | <b>20</b>         | <b>7</b> | <b>772</b> |
| <b>NOVEMBER 2015 TOTAL</b>            | <b>91</b>        | <b>55</b>         | <b>201</b>     | <b>34</b>            | <b>115</b>          | <b>73</b>        | <b>17</b>            | <b>38</b>          | <b>43</b>      | <b>47</b>         | <b>26</b>         | <b>3</b> | <b>743</b> |

*In the month of November, 2016 the TMFPD responded to 772 incidents, for a cumulative total of 9,110 incidents in the past twelve months.*

**AGENDA ITEM # 8B**



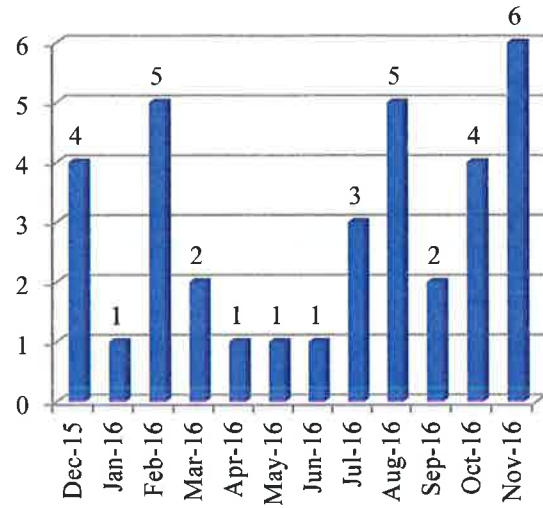
### Fire Loss to Value Comparison – November 2016

#### October 2016 Fire Loss/Save



Total Structure Value: \$ 628,162  
Total Structure Conserved: \$ 448,933  
Total Structure Loss \$ 179,229

#### Structure Fires



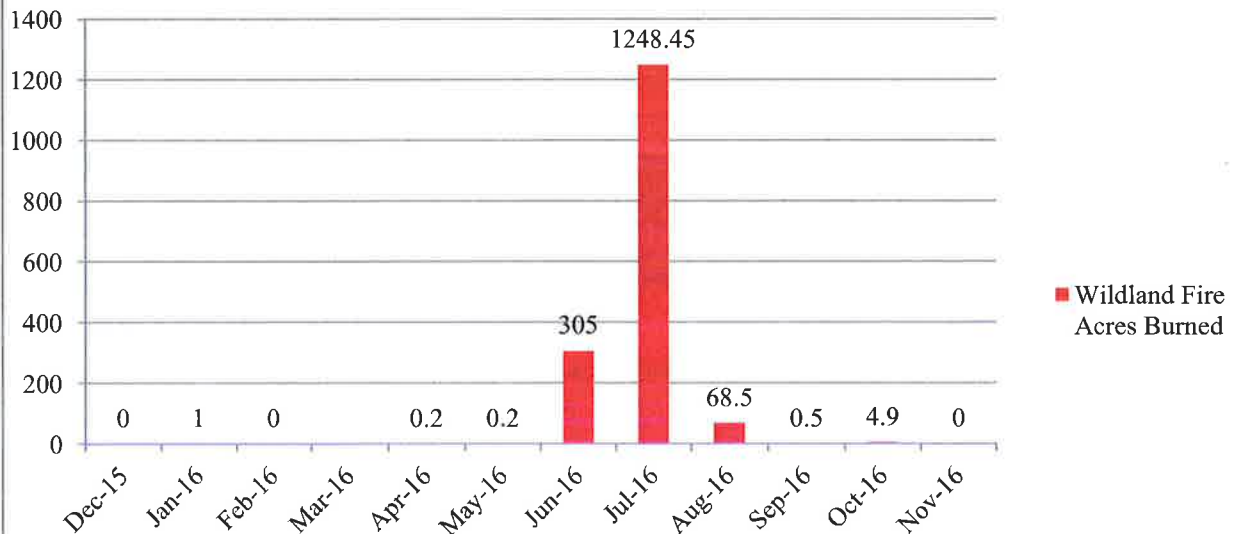
#### Rolling Year Statistics

TMFPD responded to 6 structure fires in November 2016, for a total of 37 structure fires in the past year. ■ Structure Fires

*\*Includes incidents only in Truckee Meadows Fire Protection District. Mutual Aid and Automatic Aid calls are excluded from this graph.*

### Wildland Fires - November 2016

#### One Year History: Wildland Fire Acres Burned



*In the month of November 2016, 0 acres were burned. As of November 30, 2016, 1628.75 acres burned in the past twelve months.*

**Mutual Aid Given and Received - November 2016**

| <b>Mutual Aid Given &amp; Received by Department</b> |                  |                     |
|--|------------------|---------------------|
| <b>DEPARTMENT</b>                                    | <b>AID GIVEN</b> | <b>AID RECEIVED</b> |
| Bureau of Land Management                            | 2                | 0                   |
| California Department of Forestry                    | 0                | 0                   |
| Carson City FD                                       | 0                | 0                   |
| Eastfork FD  | 0                | 0                   |
| Nevada Division of Forestry                          | 0                | 0                   |
| North Lake Tahoe FPD                                 | 0                | 0                   |
| North Lyon County FPD                                | 0                | 0                   |
| Pyramid Lake Fire                                    | 3                | 1                   |
| Reno FD  | 5                | 2                   |
| Reno/Sparks Indian Colony                            | 3                | 0                   |
| Sierra County, CA                                    | 0                | 0                   |
| Sparks FD  | 2                | 4                   |
| Storey County FPD                                    | 1                | 2                   |
| Truckee Fire, CA                                     | 0                | 0                   |
| US Forest Service                                    | 1                | 0                   |
| <b>TOTAL</b>   | <b>17</b>        | <b>9</b>            |

The TMFPD received aid 9 times from neighboring agencies and provided aid 17 times based on NFIRS reporting standards. Additional responses to/from the TMFPD may have occurred but did not meet the NFIRS definitions for automatic or mutual aid. Only incidents where representatives from two or more entities are on scene together qualify as aid given or received by an agency. When one entity handles an incident for another jurisdiction without assistance, the incident is not classified as auto/mutual aid according to NFIRS, and neither are responses where one entity cancels its response prior to arriving at the incident.

## **SIGNIFICANT INCIDENTS**

Significant incidents for the month are reported below. The number of incidents reported in the Call Volume Table may not exactly match the narrative provided below; i.e. a structure fire that is limited to a small out building is reported in the Call Volume, however it does not warrant inclusion below.

| <b>Station by Commission District</b> |                 |                     |
|---------------------------------------|-----------------|---------------------|
| <b>Station</b>                        | <b>District</b> | <b>Commissioner</b> |
| Station 13 – Stead                    | 5               | Herman              |
| Station 14 – Damonte Ranch            | 2               | Lucey               |
| Station 15 – Sun Valley               | 3/5             | Jung / Herman       |
| Station 16 – East Washoe Valley       | 2               | Lucey               |
| Station 17 – Spanish Springs          | 4               | Hartung             |
| Station 18 – Cold Springs             | 5               | Herman              |
| Station 30 – West Washoe Valley       | 2               | Lucey               |
| Station 35 – Mogul                    | 5/1             | Herman/Berkbigler   |
| Station 36 – Arrowcreek               | 2               | Lucey               |
| Station 37 – Hidden Valley            | 2/4             | Lucey/Hartung       |
| Station 39 – Galena Forest            | 2/1             | Lucey/Berkbigler    |

*Stations are predominantly within the Commissioner's District as listed above.*

### **Incidents:**

#### **Structure Fire – Station 13 (Stead); 226 Westbrook Lane Commission District 5 2 in/2 out Required**

On November 1<sup>st</sup> at 7:17 hours, crews responded to a structure fire at 226 Westbrook Lane. Upon arrival, we found a vacant 1,000 sq. ft. single family dwelling with smoke coming from the eaves. Once 2 in/2 out was established, the first due engine made entry and located the seat of the fire in the living area. The fire extended into the attic. Vertical ventilation was ordered to clear the structure of smoke. The structure had major damage. The cause of the fire is under investigation.

4 TM Engines, 1 TM Water Tender, 1 TM Safety Officer and 2 TM Chief Officers responded to this incident.

**Structure Fire – Station 243 (Pyramid Lake); 740 Rail Road Circle**

**Commission District 4**

**Automatic Aid to Pyramid Lake Fire**

**Mutual Aid was requested from Storey County and North Lyon County**

On November 3<sup>rd</sup> at 21:34 hours, crews responded to a reported structure fire in Wadsworth. Mutual aid was requested from North Lyon and Storey County while in route to the incident. Due to a disturbance on scene, crews were delayed with initiating fire suppression activities. Once the scene was safe and secured by Law Enforcement, the fire was knocked down. The residential structure sustained significant smoke, heat, and water damage. Once overhaul was completed, the scene was turned over to Pyramid Lake personnel. The cause of the fire was under investigation on the release of the TMFPD units. No injuries occurred on this incident.

2 TM Engines, 1 TM Battalion Chief, 1 TM Training Captain, Wadsworth Volunteers and neighboring agencies responded to this incident.

**Structure Fire/Cooking Fire – Station 17 (Spanish Springs); 275 Neighborhood Way**

**Commissioner District 4**

**Automatic Aid from SFD**

On November 9<sup>th</sup> at 16:42 hours, crews responded to a cooking fire third floor of Cascade of the Sierras. All residents sheltered in place. The fire was a result of popcorn in an oven. The structure was ventilated and smoke removed with no damage to the building.

2 TM Engines and 1 SFD Ladder responded to this incident.

**Unknown Odor – Station 37 (Hidden Valley); 4100 Inwood Lane**

**Commissioner District 2/4**

On November 14<sup>th</sup> at 13:50 hours, crews responded to a report of a possible natural gas leak. Upon arrival, a cleaning person had entered the structure and smelled an odor within the garage. E37 arrived and determined that it was not a gas leak, but potentially a sewer odor from drains within the garage. The home owners had been out of town for approximately 3 weeks. All other units were canceled. The odor was eventually traced back to overcharging of batteries. The homeowner had placed 6 different vehicles on trickle chargers, and the odor was potentially acid leaking from the batteries. All of the battery chargers were disconnected and the odor dissipated within minutes. The home was released to the care of the cleaning person.

4 TM Engines, 1 TM Training Captain and 1 TM Battalion Chief responded to this incident.

**Structure Fire – Station 17 (Spanish Springs); 5405 Axe Handle Road  
Commissioner District 5  
Mutual aid from Sparks Fire Department with Water Tender**

On November 21<sup>st</sup> at 11:02 hours, crews responded to a structure fire at 5405 Axe Handle Road. Upon arrival, we found a 500 sq. ft. outbuilding fully involved in fire threatening a 2,500 sq. ft. 2-story single family dwelling. First arriving engine company was able to initiate a transitional fire attack and protect the exposure. Additional fire apparatus and water tenders arrived on scene and the fire was contained to the out building. No injuries reported during this incident.

5 TM Engines, 4 TM Water tenders, 1 TM Chief Officer, 1 SFD Water Tender and Silver Lake Volunteers responded to this incident.

**Structure Fire – Station 15 (Sun Valley); 5483 Trapper Court  
Commissioner District 3  
2 in/2 out Required**

On November 22<sup>nd</sup> at 6:15 hours, crews responded to a fully involved attached garage fire with exposures to the rest of the home. Suppression action was taken, and the fire was stopped before it could impact the living portion of the home. A family of 4 was displaced and the garage sustained significant damage.

4 TM Engines, 1 TM Battalion Chief and 1 TM Training Captain responded to this incident.

**Structure Fire – Station 17 (Spanish Springs); 6700 Quaking Aspen Road  
Commissioner District 5  
Mutual Aid from Sparks Fire Department with Water Tender**

On November 26<sup>th</sup> at 10:03 hours, crews responded to a residential structure fire at 6700 Quaking Aspen Road. Upon arrival, we found an 1800 sq. ft. 3-story single family structure fully involved in fire. The fire was contained to the structure with some extension into the surrounding wildland. The structure was a total loss. No injuries reported during this incident. The cause of the fire is under investigation.

4 TM Engines, 2 TM Water Tenders, 1 SFD Water Tender, 1 TM Chief Officer, and Silver Lake Volunteers responded to this incident. South Valley Volunteers manned their station to assist with District coverage during the incident.

**Vehicle Accident – Station 37 (Hidden Valley); 1-80 at Mustang Road Exit**  
**Commissioner District 2/4**  
**Automatic Aid Required**  
**Mutual Aid Required**

On November 27<sup>th</sup> at 6:56 hours, crews were dispatched to a vehicle accident. Several vehicle collisions began to happen around the same time with this incident being the most significant. TMFPD units were dispatched to all of the incidents, but only BATT4 arrived on scene. The remainder of the incidents were handled by SCFD; the largest of which involved approximately 5 cars, one Storey County Sheriff, and one large tractor trailer semi resulting in blocking the interstate. Due to the icy conditions, NHP ordered the interstate closed for approximately two hours. Pyramid Lake was asked to cover the eastern end of the District during the event. SCFD managed the primary scene well with little input from TMFPD.

1 TM Battalion Chief responded to this incident.

**Structure Fire – Station 15 (Sun Valley); 235 Britton Lane**  
**Commission District 3/5**

On November 30<sup>th</sup> at 20:48 hours, crews responded to a small detached garage type structure that had a small amount of smoke coming from the roof area. Crews confirmed that there was a fire in the attic, possibly caused by the chimney. The ceiling was opened up to gain access. The fire was knocked down within 7 minutes. Extensive overhaul was required of the roof area due to a pitched style roof being placed over the flat roof. The fire was extinguished, and electrical to the main home was blocked off due to garage power being severed from the main living house.

4 TM Engines, 1 TM Training Captain and 1 TM Battalion Chief responded to this incident.

**Training:**

- EMS – Poisoning and Overdose
- EMS – Basic Airway Management
- Hazmat Refresher Training
- TRIAD Drill
- Annual Hazmat Evolutions
- Water Supply Training
- Yearly EVOC Skills Review
- TMCC Ride A-Long Program
- Structure Evolutions off of Mt. Rose Highway

**Accomplishments:**

- Re-establish the apparatus and equipment work group
- Assisted with the Burn Area Emergency Response Team
- Evaluated the private property that was damaged during the Little Valley Fire
- Annual Ladder Testing
- Numerous Ride A-Longs
- Flu Shot Clinics
- Engine Show and Tell at RCF, South Reno 11/15
- Fire Prevention Event: Cub Scout First Aid Class
- Fire Prevention Event: Nancy Gomes Elementary
- Fire Prevention Event: Ted Hunsberger Elementary
- Fire Prevention Event: Palmer Elementary



# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT MONTHLY REPORT

**December 2016**

The following report contains non-audited figures based on data extracted from the District's incident reporting system and Washoe County E-Comm Dispatch.

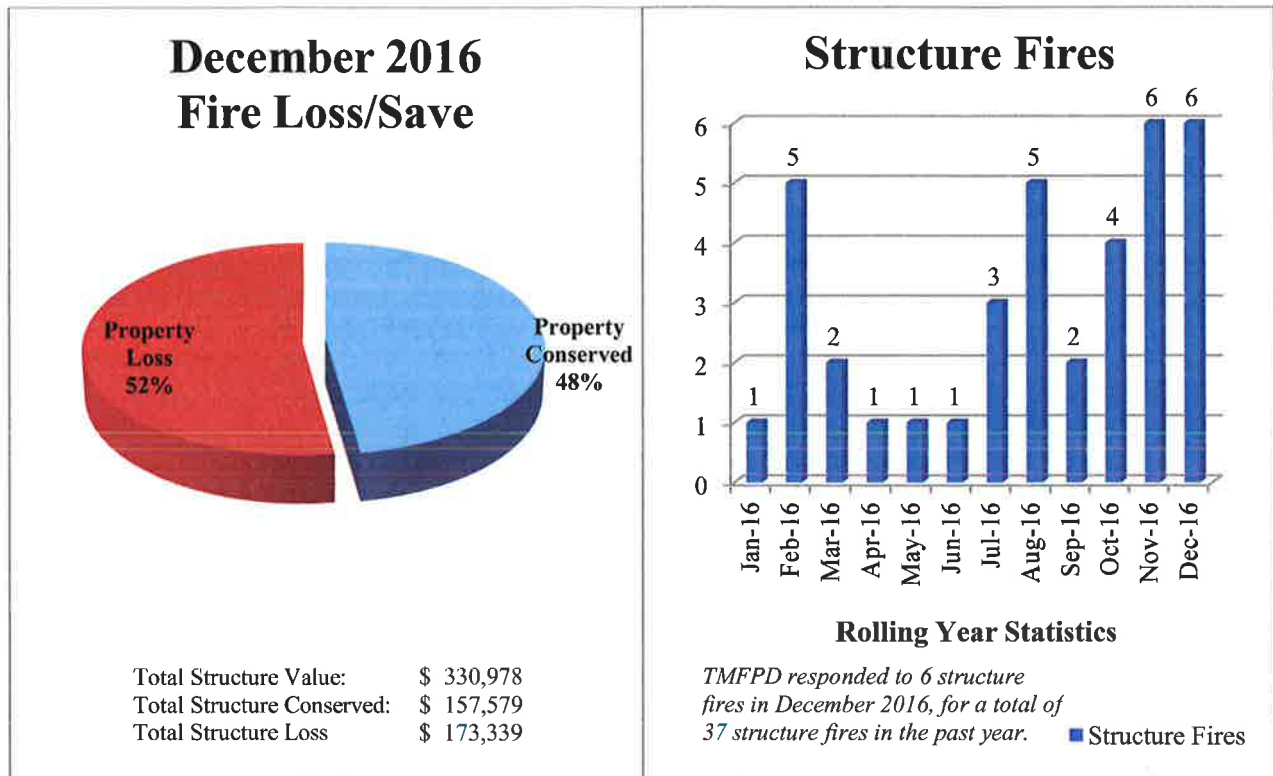
| Monthly Call Volume by Station & Type |                  |                   |                |                      |                     |                  |                      |                    |                |                   |                   |          |            |
|---------------------------------------|------------------|-------------------|----------------|----------------------|---------------------|------------------|----------------------|--------------------|----------------|-------------------|-------------------|----------|------------|
| INCIDENT TYPE                         | STATION/DISTRICT |                   |                |                      |                     |                  |                      |                    |                |                   |                   |          |            |
|                                       | 13- Stead        | 14- Damonte Ranch | 15- Sun Valley | 16- E. Washoe Valley | 17- Spanish Springs | 18- Cold Springs | 30- W. Washoe Valley | 35- Verdi/Caughlin | 36- Arrowcreek | 37- Hidden Valley | 39- Galena Forest | Other    | TOTAL      |
| Structure Fire                        | 2                |                   | 3              | 1                    |                     |                  |                      | 1                  |                | 2                 |                   |          | 9          |
| Wildland Fire                         |                  |                   |                |                      |                     |                  |                      |                    |                |                   |                   |          | 0          |
| Vehicle/Trash/Other Fire              | 2                | 1                 | 1              |                      |                     | 2                |                      |                    |                | 1                 |                   |          | 7          |
| Emergency Medical Services            | 50               | 42                | 171            | 23                   | 107                 | 65               | 8                    | 11                 | 29             | 24                | 12                |          | 542        |
| Motor Vehicle Accident                | 6                | 4                 | 11             | 4                    | 5                   | 5                | 10                   | 8                  | 1              | 2                 | 3                 | 2        | 61         |
| Rescue                                |                  |                   |                |                      |                     |                  |                      |                    |                |                   | 1                 |          | 1          |
| Haz-Mat/Hazardous Condition           | 4                | 1                 | 4              | 1                    |                     | 3                | 2                    |                    | 3              |                   | 2                 |          | 20         |
| Public Assist                         | 5                | 4                 | 10             | 2                    | 7                   | 3                | 3                    | 2                  | 7              | 4                 |                   |          | 47         |
| Good Intent Call                      | 13               | 8                 | 35             | 3                    | 17                  | 2                | 4                    | 6                  | 9              | 23                | 16                |          | 136        |
| Activated Fire Alarm                  | 1                | 7                 | 3              | 2                    | 3                   | 1                |                      | 1                  | 2              | 2                 | 2                 |          | 24         |
| Severe Weather Related                |                  |                   |                |                      |                     |                  |                      | 1                  |                |                   |                   |          | 1          |
| Other                                 | 1                |                   |                |                      |                     |                  |                      | 1                  | 1              |                   |                   |          | 3          |
| <b>DECEMBER 2016 TOTAL</b>            | <b>84</b>        | <b>67</b>         | <b>238</b>     | <b>36</b>            | <b>139</b>          | <b>81</b>        | <b>27</b>            | <b>31</b>          | <b>52</b>      | <b>58</b>         | <b>36</b>         | <b>2</b> | <b>851</b> |
| <b>DECEMBER 2015 TOTAL</b>            | <b>87</b>        | <b>61</b>         | <b>197</b>     | <b>33</b>            | <b>126</b>          | <b>63</b>        | <b>27</b>            | <b>44</b>          | <b>49</b>      | <b>45</b>         | <b>27</b>         | <b>2</b> | <b>761</b> |

*In the month of December, 2016 the TMFPD responded to 851 incidents, for a cumulative total of 9,503 incidents in the past twelve months.*

**AGENDA ITEM # 8B**

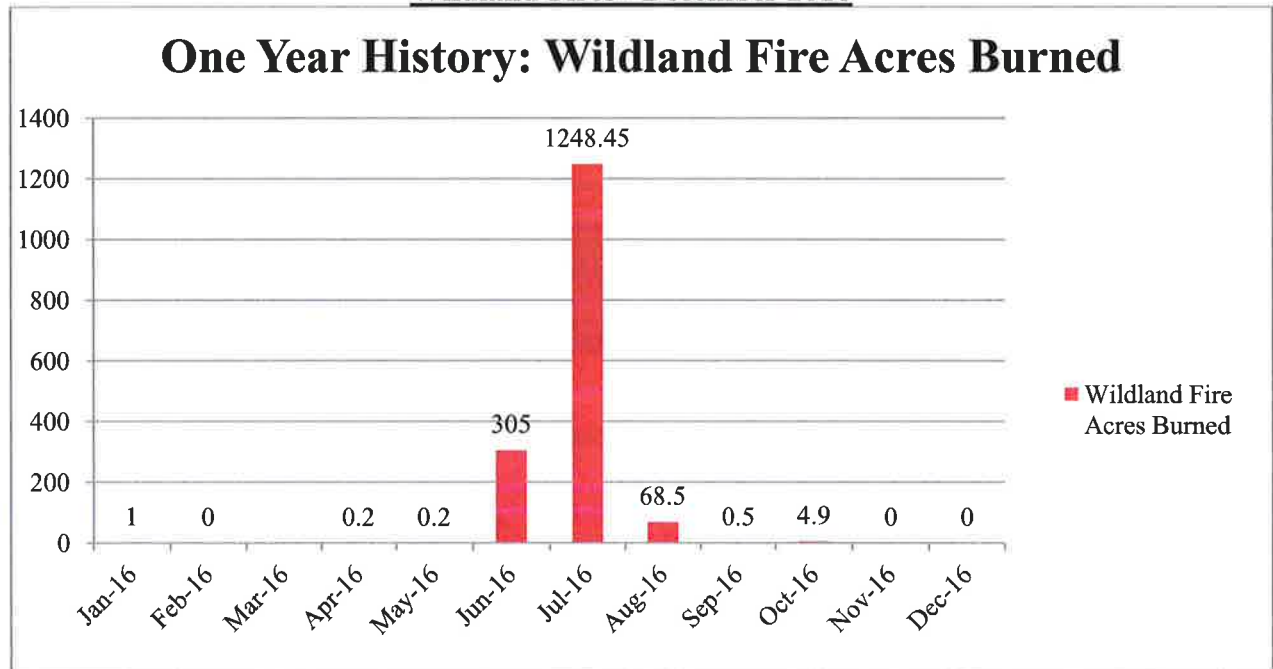


### Fire Loss to Value Comparison – December 2016



\*includes incidents only in Truckee Meadows Fire Protection District. Mutual Aid and Automatic Aid calls are excluded from this graph.

### Wildland Fires - December 2016



*In the month of December 2016, 0 acres were burned. As of December 30, 2016, 1628.75 acres burned in the past twelve months.*

**Mutual Aid Given and Received - December 2016**

| <b>Mutual Aid Given &amp; Received by Department</b> |                  |                     |
|--|------------------|---------------------|
| <b>DEPARTMENT</b>                                    | <b>AID GIVEN</b> | <b>AID RECEIVED</b> |
| Bureau of Land Management                            | 0                | 0                   |
| California Department of Forestry                    | 1                | 0                   |
| Carson City FD                                       | 0                | 1                   |
| Eastfork FD  | 0                | 0                   |
| Nevada Division of Forestry                          | 0                | 1                   |
| North Lake Tahoe FPD                                 | 1                | 5                   |
| North Lyon County FPD                                | 1                | 1                   |
| Pyramid Lake Fire                                    | 0                | 1                   |
| Reno FD  | 5                | 1                   |
| Reno/Sparks Indian Colony                            | 2                | 0                   |
| Sierra County, CA                                    | 3                | 0                   |
| Sparks FD  | 4                | 3                   |
| Storey County FPD                                    | 0                | 3                   |
| Truckee Fire, CA                                     | 1                | 0                   |
| US Forest Service                                    | 0                | 0                   |
| <b>TOTAL</b>   | <b>18</b>        | <b>16</b>           |

The TMFPD received aid 16 times from neighboring agencies and provided aid 18 times based on NFIRS reporting standards. Additional responses to/from the TMFPD may have occurred but did not meet the NFIRS definitions for automatic or mutual aid. Only incidents where representatives from two or more entities are on scene together qualify as aid given or received by an agency. When one entity handles an incident for another jurisdiction without assistance, the incident is not classified as auto/mutual aid according to NFIRS, and neither are responses where one entity cancels its response prior to arriving at the incident.

## **SIGNIFICANT INCIDENTS**

Significant incidents for the month are reported below. The number of incidents reported in the Call Volume Table may not exactly match the narrative provided below; i.e. a structure fire that is limited to a small out building is reported in the Call Volume, however it does not warrant inclusion below.

| <b>Station by Commission District</b> |                 |                     |
|---------------------------------------|-----------------|---------------------|
| <b>Station</b>                        | <b>District</b> | <b>Commissioner</b> |
| Station 13 – Stead                    | 5               | Herman              |
| Station 14 – Damonte Ranch            | 2               | Lucey               |
| Station 15 – Sun Valley               | 3/5             | Jung / Herman       |
| Station 16 – East Washoe Valley       | 2               | Lucey               |
| Station 17 – Spanish Springs          | 4               | Hartung             |
| Station 18 – Cold Springs             | 5               | Herman              |
| Station 30 – West Washoe Valley       | 2               | Lucey               |
| Station 35 – Mogul                    | 5/1             | Herman/Berkbigler   |
| Station 36 – Arrowcreek               | 2               | Lucey               |
| Station 37 – Hidden Valley            | 2/4             | Lucey/Hartung       |
| Station 39 – Galena Forest            | 2/1             | Lucey/Berkbigler    |

*Stations are predominantly within the Commissioner's District as listed above.*

### **Incidents:**

#### **Structure Fire – Station 15 (Sun Valley); 499 Short Avenue, Sun Valley**

##### **Commission District 3**

##### **Automatic Aid from Sparks Fire Department**

On December 9<sup>th</sup> at 04:22 hours, crews responded to a structure fire on Short Ave. in Sun Valley. Crews arrived on scene, to find a double wide mobile home with a well involved attic fire. The fire was contained to the structure of origin. 4 dogs were rescued from the structure. The structure was a total loss. The fire was caused by the wood stove chimney. No injuries were reported during this incident.

4 TM Engines, 1 TM Battalion Chief, and 1 SFD Engine responded to this incident.

**Flooding – Station 35 (Mogul); Mario Road and Arentz Court. Belli Ranch, Verdi, Mogul, and Coughlin Ranch  
Commission District 5/1  
Mutual Aid from NDF**

On December 10<sup>th</sup> at 08:36 hours, crews responded to assist with flood control. Heavy and sustained rains started on the evening of 12/9, and continued through 12/10, causing flooding in the areas of Belli Ranch and Caughlin Hills area of TMFPD. NDF, Washoe County Roads and the EOC were mobilized to assist residents with sandbagging and flood control. Sandbag staging areas were set up at Dorokstar Park and the Boomtown parking lot, and both were manned with NDF inmate crews. Approximately 1630 sandbags were filled, and given out to residents in the affected areas to help control flood waters and reduce damages.

1 TM Engine, 1 TM Training Captain, 1 TM Battalion Chief, 1 Lemmon Valley Rescue Engine, 1 Verdi Engine, and 2 NDF Rescue Crews responded to this incident.

**Chimney Fire – Station 16 (East Washoe Valley); 340 W. Coyote Drive  
Commission District 2**

On December 13<sup>th</sup> at 21:48 hours, E30 was dispatched to a possible chimney fire. Residents had reported smoke in the residence, and a large amount of smoke discharging from the chimney outside the residence. The homeowner was able to extinguish the fire with a garden hose. E30 arrived on scene, and used their thermal imaging camera to investigate the extent of the damage. Extensive heat did cause damage within the structure around the flu of the wood stove. The heat was dissipating and showed no further risk of spreading. The homeowner was advised to contact a stove/chimney service rep to come clean out the flu and repair any inoperable damage. This incident is significant, as this time of year sees an increase in chimney fires if they are not maintained properly.

1 TM Engine and 3 TM personnel responded to this incident.

**Storm Damage – Station 36 (Arrowcreek); 5400 Goldenrod Drive  
Commission District 2**

On December 15<sup>th</sup> at 09:56 hours, E36 was dispatched to a tree that had blown over in the storm. A 40 ft. tall Blue Spruce pine tree had uprooted and fallen over next to the home of the reporting party. No damage to structures occurred. The resident was unclear what to do, and if he was in any danger. The area was taped off by E36, and they advised to hire a contractor to remove the tree. This was an example of several calls that had occurred in a 24-hour period in which crews responded to down power lines, hanging billboards, and electrical arching at various connections. All issues were taken care of without further damage or injury.

1 TM Engine and 3 TM personnel responded to this incident.

**Structure Fire – Station 15 (Sun Valley); 5725 Side Hill Lane, Sun Valley  
Commission District 3/5**

On December 17<sup>th</sup> at 11:18 hours, units were dispatched to a possible structure fire at 5725 Side Hill Drive in Sun Valley. BC 3 arrived on scene to find a vacant double wide trailer with smoke showing from the eaves of the house, as well as fire in two rooms. E 35 was able to establish their own water supply on way into the scene and, with a quick transitional attack, we were able to keep the fire contained to the two back bedrooms of the structure. There was considerable smoke damage done. However, the fire was contained to the bedrooms.

4 TM Engines, 1 TM Training Captain, 2 TM Battalion Chiefs, and 16 TM personnel responded to this incident.

**Extrication Accident – Station 18 (Cold Springs); US 395 North of Hallelujah Junction  
Commission District 5**

On December 18<sup>th</sup> at 02:30 hours, BC 3 was dispatched with E 13 and E 18 to an extrication accident on 395 north of Hallelujah Junction. This was mutual aid given to Sierra County Fire. E 18 arrived on scene to find two vehicles with major front end damage to both vehicles, with two patients needing extrication. Due to amount of force and damage, four people succumbed to injuries on scene. One pediatric pt. was flown by Care Flight to Renown. No other extrication was performed. The scene was left with Sierra Valley VFD and CHP.

2 TM Engines, 1 TM Battalion Chief, 1 TM Training Captain, and 8 TM personnel responded to this incident.

**Chimney Fire – Station 35 (Mogul); 4035 Caughlin Creek Road  
2 in/2 out Required  
Automatic Aid**

On December 22<sup>nd</sup> at 17:54 hours, a full structure response was dispatched in the City of Reno, with E35 dispatched auto-aid to assist. E35 arrived on scene first to investigate and contact the occupants. While investigating, RFD E5 arrived and assumed command releasing E35. This call is significant in that E35 was dispatched auto-aid (properly delayed due to transfer process), and still arrived on scene as the first in unit.

1 TM Engine and 3 TM personnel responded to this incident.

**Structure Fire – Station 37 (Wadsworth); 240 School Street, Wadsworth  
Commission District 2/4  
Mutual Aid Received from NLCFPD, SCFPD, & Pyramid Lake Fire**

On December 25<sup>th</sup> at 01:22 hours, crews responded to a structure fire. Initial reports were of a fully involved structure fire with several exposures, vehicles, and outbuildings threatened. Mutual aid was immediately requested from NLCFPD & SCFPD. NLCFPD arrived first on scene and reported a 1200 sq. ft. residence fully involved, as well as an RV with several outbuildings and residences threatened. Operations were defensive, and fire was contained to the property with several outbuildings and vehicles protected. The occupants were able to escape, and 1 person was treated and transported by REMSA for smoke inhalation and minor burns.

1 TM Battalion Chief, 1 TM Training Captain, 2 TM Engines, 1 Storey County Engine, 1 North Lyon County Engine, 1 North Lyon County Water Tender 1, Pyramid Lake Engine and 18 TM personnel responded to this incident.

**Structure Fire – Station 13 (Stead); 10875 Osage Road  
Commission District 5  
2 in & 2 out required**

On December 26<sup>th</sup> at 14:26 hours, crews responded to a Structure Fire at 10875 Osage Road in TM District 13. E13 arrived on scene and reported a well involved, 1500 square foot, wood frame, single family dwelling. An interior fire attack was made and the fire was contained to the building of origin. This area has no fire hydrants, and required additional water tenders to respond. Two family pets perished during this fire. The cause of the fire is under investigation.

4 TM Engines, 2 TM Water Tenders, 1 Silver Lake Water Tender, and 1 TM Battalion Chief responded to this incident.

**Extrication Accident – Station 13 (Stead); 12920 block of Red Rock Road  
Commission District 5**

On December 29<sup>th</sup> at 06:27 hours, BC 3 was dispatched to a vehicle accident requiring extrication. E 13 arrived on scene to find one vehicle with major front end damage and one vehicle that had rolled over. One patient was in need of extrication, second patient was denying injury. E 13 and E 18 were able to extricate the patient and transfer the patient to Care Flight so they could be flown to Renown for further care.

2 TM Engines, 1 TM Battalion Chief, and 7 personnel responded to this incident.

**Training:**

- EMS Pediatric Assessment
- EMS Patient Assessment
- New EKG & Lucas device training
- 8 Hour TRIAD drill completed
- EVOC Training complete
- 97.5 Hours EMS Training
- 72.5 Hours Company Training
- 9 Hours Hazmat Training
- 1 Water supply Training
- 8 Hours Driver Training

**Accomplishments:**

- Continued hazard tree removal Little Valley Fire
- Hired 7 new FF/PM's
- Numerous Ride A-Longs
- Ladder testing complete for entire District.
- Multiple MVA's due to Ice/Weather
- Steady Call Volume for Lift Assists



## VOLUNTEER FIRE STATIONS MONTHLY REPORT

**October 2016**

The following report contains non-audited figures based on data extracted from the District's incident reporting system and Washoe County E-Comm Dispatch.

| Monthly Call Volume by Station & Type            |                  |                     |                                    |                               |                                 |                |               |             |           |
|--|------------------|---------------------|------------------------------------|-------------------------------|---------------------------------|----------------|---------------|-------------|-----------|
| TMFPD<br>VOLUNTEER<br>RESPONSE:<br>INCIDENT TYPE | STATION/DISTRICT |                     |                                    |                               |                                 |                |               |             | TOTAL     |
|  | 221-Silver Lake  | 223 - Lemmon Valley | 225 - Wadsworth (Pyramid Lake VFD) | 227, 237, 301 - South Valleys | 229 - Palomino Valley Auxiliary | 240 - Red Rock | 242 - Gerlach | 351 - Verdi |           |
| Structure Fire                                   |                  |                     |                                    |                               |                                 | 2              |               |             | 2         |
| Wildland Fire                                    | 2                | 1                   | 2                                  | 1                             |                                 |                |               |             | 6         |
| Vehicle/Trash/Other Fire                         | 2                |                     |                                    |                               |                                 |                | 1             |             | 3         |
| Emergency Medical Services                       | 2                | 1                   | 1                                  |                               |                                 | 5              |               |             | 9         |
| Motor Vehicle Accident                           | 3                | 1                   | 1                                  |                               |                                 |                | 1             |             | 6         |
| Rescue   |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| HazMat/Hazardous Condition                       | 1                | 1                   |                                    |                               |                                 |                |               |             | 2         |
| Public Assist                                    |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Good Intent Call                                 |                  | 1                   |                                    |                               |                                 |                |               |             | 1         |
| Activated Fire Alarm                             |                  |                     |                                    |                               |                                 | 1              |               |             | 1         |
| Severe Weather Related                           |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Lightning Plan                                   |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Other  |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| <b>OCTOBER 2016 TOTAL</b>                        | <b>10</b>        | <b>4</b>            | <b>1</b>                           | <b>4</b>                      | <b>1</b>                        | <b>0</b>       | <b>8</b>      | <b>2</b>    | <b>30</b> |

*In the month of October, 2016 the Truckee Meadows Volunteers responded to 30 incidents. (Wadsworth Volunteers operate under Pyramid Lake Volunteer Fire Department. Incidents listed for the Wadsworth Volunteer Station 225 are specific to responses in the Truckee Meadows Fire Protection District boundary, and do not include responses into tribal territory.)*

**AGENDA ITEM # 8C**



## SIGNIFICANT INCIDENTS

Significant incidents for the month are reported below. The number of incidents reported in the Call Volume Table may not exactly match the narrative provided below; i.e. a structure fire that is limited to a small out building is reported in the Call Volume, however it does not warrant inclusion below.

| Station by Commission District  |          |                   |
|---------------------------------|----------|-------------------|
| Station                         | District | Commissioner      |
| Station 13 – Stead              | 5        | Herman            |
| Station 14 – Damonte Ranch      | 2        | Lucey             |
| Station 15 – Sun Valley         | 3/5      | Jung / Herman     |
| Station 16 – East Washoe Valley | 2        | Lucey             |
| Station 17 – Spanish Springs    | 4        | Hartung           |
| Station 18 – Cold Springs       | 5        | Herman            |
| Station 30 – West Washoe Valley | 2        | Lucey             |
| Station 35 – Mogul              | 5/1      | Herman/Berkbigler |
| Station 36 – Arrowcreek         | 2        | Lucey             |
| Station 37 – Hidden Valley      | 2/4      | Lucey/Hartung     |
| Station 39 – Galena Forest      | 2/1      | Lucey/Berkbigler  |

*Stations are predominantly within the Commissioner's District as listed above.*

### Incidents:

#### **Wildland Fire – Station 30 (West Washoe Valley); Hwy 395 and Wiseman Rd Commission District (n/a) Mutual Aid Given to Eastfork Fire**

On October 2<sup>nd</sup> at 14:20 hours, crews were dispatched to provide mutual aid to Eastfork Fire for a wildland fire in Gardnerville. Crews arrived and met with Incident Command, where they were assigned to work the edge of the river with other agencies, to prevent the fire from crossing over. Brush crews started to work on hot spots near the line to prevent any slop over. As the incident progressed and the IC could see the skill and experience of our TM crew, a 15-man hand crew, a brush crew from Incline, brush crews from Yerington, Antelope Valley, the Slide Mtn. Hand Crew, and a Yerington type 1 engine crew were assigned to assist TM along the river as well. A roadside briefing was conducted with all supervisors where the plan was discussed, and the firelines were tied in as needed; including dropping several hazard trees. All resources assigned to TM returned to the division staging area to complete paperwork, and TM crews were released and returned to District at 22:11 hours.

1 TM Brush Engine responded to this incident, and 1 South Valley Volunteer Water Tender provided coverage.

**Structure Fire – Station 17 (Spanish Springs); 555 Main Street, Gerlach Nevada  
Commission District 5  
Automatic Aid to Gerlach**

On October 2<sup>nd</sup> at 14:29 hours, crews responded to a structure fire in Gerlach. TM Crews arrived on scene and assisted with overhaul of water and checking for extension.

1 TM Engine, 1 TM Safety Officer, 2 TM Battalion Chiefs, 1 Gerlach Volunteer Water Tender, 1 Gerlach Volunteer Engine, and 3 TM personnel responded to this incident.

**Wildland Fire – Station 14 (Damonte Ranch); Little Valley, Washoe Valley  
Commissioner District 2  
Mutual Aid to NDF from RFD, SFD, SCFPD, NLTFPD, TDFPD, CLCFPD, USFS, BLM,  
AND CAL OES**

On October 14<sup>th</sup> at 01:38 hours, crews responded to an escaped prescribed burn that originated outside of the TM boundary; but was blown into the District during winds gusting in excess of 80+ MPH. Evacuations were ordered and advised through reverse 911, along with door to door notifications by WCSO and TM crews. A sustained crown fire quickly moved into the Wildland Urban Interface area and burned 23 homes, 17 outbuildings, and a total of 2,291 acres.

Total ordered resources were in excess of 170 engines, 115 overhead personnel, 16 hand crews, 1 Silver Lake Brush Engine, and approximately 940 total personnel.

**Wildland Fire – Station 36 (Galena Forest); Mt Rose Hwy at Edmonton  
Commissioner District 2  
Mutual Aid received from Reno, Carson City, Sparks, and NLTFPD**

On October 14<sup>th</sup> at 07:44 hours, crews responded to a reported wildland fire at the intersection of Mt. Rose Hwy and Edmonton Drive. The fire was spreading at a rapid rate, and two immediate need strike teams were requested through dispatch. Resources that were enroute to the Little Valley incident were diverted to the Rolling Hills fire. Evacuations of the Galena Country Estates area and the Monte Rosa subdivisions were ordered and advised through reverse 911, along with door to door notifications by WCSO. The forward progression of the fire was stopped near Deer Valley Lane. No structures were lost and two firefighter injuries were reported. Once the fire was contained, resources were released back to the Little Valley Fire.

4 TM Engines, 5 TM Brush Engines, 1 Silver Lake Volunteer Type 1 Engine, 2 TM Water Tenders, 1 Silver Lake Volunteer Water Tender, and 1 Lemmon Valley Brush Truck Engine responded to this incident.

## TRAINING AND ACTIVITY

| STATION                    | ACTIVITY  | CREWS | HOURS PER | TOTAL HOURS |
|----------------------------|---|-------|-----------|-------------|
| Lemmon Valley Volunteers   | CAPCE Common Infectious Pathogens                               | 1     | 1         | 1           |
|                            | CAPCE Emergency Response to Terrorism (MOD #1)                  | 1     | 1         | 1           |
|                            | CAPCE Medical Extrication and Rescue                            | 1     | 2         | 2           |
|                            | NFPA 1500 Hazard Communication                                  | 1     | 1         | 1           |
| <b>Lemmon Valley Total</b> |   |       |           | <b>5</b>    |
| Red Rock Volunteers        | CAPCE Pediatric Assessment                                      | 1     | 1         | 1           |
|                            | CECBEMS Bleeding and Shock Basic                                | 1     | 1         | 1           |
|                            | CECBEMS Pharmacology Basic                                      | 1     | 1         | 1           |
|                            | NFPA 1001 Ground Ladders  | 1     | 1         | 1           |
|                            | NFPA 1001 Vehicle Extrication                                   | 1     | 1         | 1           |
|                            | NFPA 1500 Driving Safety  | 1     | 1         | 1           |
|                            | Respiratory Protection Policy Review                            | 1     | 1         | 1           |
|                            | RT-130  | 1     | 2         | 2           |
|                            | Water Supply  | 1     | 1         | 1           |
|                            | Wildland Practical Drill  | 3     | 2         | 6           |
| <b>Red Rock Total</b>      |   |       |           | <b>16</b>   |
| Silver Lake Volunteers     | CAPCE Airway Management Basic                                   | 1     | 1         | 1           |
|                            | CAPCE Cardiac Emergencies Basic                                 | 1     | 1         | 1           |
|                            | CECBEMS Back Injury Prevention                                  | 1     | 1         | 1           |
|                            | CECBEMS Bleeding and Shock Basic                                | 2     | 1         | 2           |
|                            | CECBEMS CNS Injuries Basic                                      | 1     | 1         | 1           |
|                            | CECBEMS Diet & Nutrition  | 1     | 1         | 1           |
|                            | CECBEMS Methamphetamine   | 1     | 2         | 2           |
|                            | CECBEMS Pharmacology Basic                                      | 1     | 1         | 1           |
|                            | 1.5 Interface loading on Type 1                                 | 2     | 1         | 2           |
|                            | EVOC Course at RTC  | 2     | 1         | 2           |
|                            | Health & Wellness   | 1     | 1         | 1           |
|                            | NFPA 1001 Ground Ladders  | 1     | 1         | 1           |
|                            | RT-130: Annual Wildland Fire Safety Refresher (MOD #1)          | 1     | 2         | 2           |
|                            | Structure Protection Strategies in the Wildland/Urban Interface | 1     | 1         | 1           |
| <b>Silver Lake Total</b>   |   |       |           | <b>19</b>   |
| South Valleys Volunteers   | CECBEMS Back Injury Prevention                                  | 1     | 1         | 1           |
|                            | CECBEMS Bleeding and Shock Basic                                | 1     | 1         | 1           |
|                            | CECBEMS Diet & Nutrition  | 1     | 1         | 1           |
|                            | CECBEMS Pharmacology Basic                                      | 1     | 1         | 1           |
|                            | Hearing Conservation  | 1     | 1         | 1           |
|                            | Washoe County Safe Driving                                      | 1     | 1         | 1           |
| <b>South Valleys Total</b> |   |       |           | <b>6</b>    |

| STATION            | ACTIVITY   | CREWS | HOURS<br>PER | TOTAL<br>HOURS |
|--------------------|--|-------|--------------|----------------|
| Verdi Volunteers   | Deck gun/hydrant operations with E-351, Forcible entry review        | 4     | 2            | 8              |
|                    | Annual EVOC Training , Type 1 Engine, Type 3 Brush, and Water Tender | 3     | 1            | 3              |
| <b>Verdi Total</b> |  |       |              | <b>11</b>      |



# VOLUNTEER FIRE STATIONS MONTHLY REPORT

November 2016

The following report contains non-audited figures based on data extracted from the District's incident reporting system and Washoe County E-Comm Dispatch.

| Monthly Call Volume by Station & Type            |                  |                     |                                    |                               |                                 |                |               |             |           |
|--|------------------|---------------------|------------------------------------|-------------------------------|---------------------------------|----------------|---------------|-------------|-----------|
| TMFPD<br>VOLUNTEER<br>RESPONSE:<br>INCIDENT TYPE | STATION/DISTRICT |                     |                                    |                               |                                 |                |               |             | TOTAL     |
|  | 221-Silver Lake  | 223 - Lemmon Valley | 225 - Wadsworth (Pyramid Lake VFD) | 227, 237, 301 - South Valleys | 229 - Palomino Valley Auxiliary | 240 - Red Rock | 242 - Gerlach | 351 - Verdi |           |
| Structure Fire                                   | 2                |                     | 1                                  | 1                             |                                 |                |               |             | 4         |
| Wildland Fire                                    |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Vehicle/Trash/Other Fire                         |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Emergency Medical Services                       |                  | 2                   | 1                                  |                               | 2                               | 3              |               |             | 8         |
| Motor Vehicle Accident                           | 1                |                     |                                    |                               |                                 | 1              |               |             | 2         |
| Rescue   |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| HazMat/Hazardous Condition                       |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Public Assist                                    |                  |                     |                                    |                               |                                 | 3              |               |             | 3         |
| Good Intent Call                                 |                  | 3                   | 2                                  |                               | 1                               |                |               |             | 6         |
| Activated Fire Alarm                             |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Severe Weather Related                           |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Lightning Plan                                   |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Other  |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| <b>NOVEMBER 2016 TOTAL</b>                       | <b>3</b>         | <b>5</b>            | <b>1</b>                           | <b>4</b>                      | <b>0</b>                        | <b>3</b>       | <b>7</b>      | <b>0</b>    | <b>23</b> |

*In the month of November, 2016 the Truckee Meadows Volunteers responded to 23 incidents. (Wadsworth Volunteers operate under Pyramid Lake Volunteer Fire Department. Incidents listed for the Wadsworth Volunteer Station 225 are specific to responses in the Truckee Meadows Fire Protection District boundary, and do not include responses into tribal territory.)*

AGENDA ITEM # 8C

## **SIGNIFICANT INCIDENTS**

Significant incidents for the month are reported below. The number of incidents reported in the Call Volume Table may not exactly match the narrative provided below; i.e. a structure fire that is limited to a small out building is reported in the Call Volume, however it does not warrant inclusion below.

| <b>Station by Commission District</b> |                 |                     |
|---------------------------------------|-----------------|---------------------|
| <b>Station</b>                        | <b>District</b> | <b>Commissioner</b> |
| Station 13 – Stead                    | 5               | Herman              |
| Station 14 – Damonte Ranch            | 2               | Lucey               |
| Station 15 – Sun Valley               | 3/5             | Jung / Herman       |
| Station 16 – East Washoe Valley       | 2               | Lucey               |
| Station 17 – Spanish Springs          | 4               | Hartung             |
| Station 18 – Cold Springs             | 5               | Herman              |
| Station 30 – West Washoe Valley       | 2               | Lucey               |
| Station 35 – Mogul                    | 5/1             | Herman/Berkbigler   |
| Station 36 – Arrowcreek               | 2               | Lucey               |
| Station 37 – Hidden Valley            | 2/4             | Lucey/Hartung       |
| Station 39 – Galena Forest            | 2/1             | Lucey/Berkbigler    |

*Stations are predominantly within the Commissioner's District as listed above.*

### **Incidents:**

**Structure Fire – Station 243 (Pyramid Lake); 740 Rail Road Circle**

**Commission District 4**

**Automatic Aid to Pyramid Lake Fire**

**Mutual Aid was requested from Storey County and North Lyon County**

On November 3<sup>rd</sup> at 21:34 hours, crews responded to a reported structure fire in Wadsworth. Mutual aid was requested from North Lyon and Storey County while in route to the incident. Due to a disturbance on scene, crews were delayed with initiating fire suppression activities. Once the scene was safe and secured by Law Enforcement, the fire was knocked down. The residential structure sustained signification smoke, heat, and water damage. Once overhaul was completed, the scene was turned over to Pyramid Lake personnel. The cause of the fire was under investigation on the release of the TMFPD units. No injuries occurred on this incident.

2 TM Engines, 1 TM Battalion Chief, 1 TM Training Captain, Wadsworth Volunteers and neighboring agencies responded to this incident.

**Structure Fire – Station 17 (Spanish Springs); 5405 Axe Handle Road  
Commissioner District 5  
Mutual aid from Sparks Fire Department with Water Tender**

On November 21<sup>st</sup> at 11:02 hours, crews responded to a structure fire at 5405 Axe Handle Road. Upon arrival, we found a 500 sq. ft. outbuilding fully involved in fire threatening a 2,500 sq. ft. 2-story single family dwelling. First arriving engine company was able to initiate a transitional fire attack and protect the exposure. Additional fire apparatus and water tenders arrived on scene and the fire was contained to the out building. No injuries reported during this incident.

5 TM Engines, 4 TM Water tenders, 1 TM Chief Officer, 1 SFD Water Tender and Silver Lake Volunteers responded to this incident.

**Structure Fire – Station 17 (Spanish Springs); 6700 Quaking Aspen Road  
Commissioner District 5  
Mutual Aid from Sparks Fire Department with Water Tender**

On November 26<sup>th</sup> at 10:03 hours, crews responded to a residential structure fire at 6700 Quaking Aspen Road. Upon arrival, we found an 1800 sq. ft. 3-story single family structure fully involved in fire. The fire was contained to the structure with some extension into the surrounding wildland. The structure was a total loss. No injuries reported during this incident. The cause of the fire is under investigation.

4 TM Engines, 2 TM Water Tenders, 1 SFD Water Tender, 1 TM Chief Officer, and Silver Lake Volunteers responded to this incident. South Valley Volunteers manned their station to assist with District coverage during the incident.



## TRAINING AND ACTIVITY

| STATION                      | ACTIVITY   | CREWS | HOURS PER | TOTAL HOURS |
|------------------------------|--|-------|-----------|-------------|
| Lemmon Valley Volunteers     | CAPCE Emergency Response to Terrorism (MOD #2)   | 1     | 1         | 1           |
|                              | Drafting and Hose Evolutions   | 1     | 3         | 3           |
|                              | Given the scenario of possible structure on fire, arrive on scene, gave size up, directed crew to pull pre connect, make entry and proceed with primary search. Extract victim from hazardous environment. | 3     | 2         | 6           |
|                              | Haz Mat Drill  | 2     | 1         | 2           |
|                              | Hearing Conservation   | 1     | 1         | 1           |
|                              | Washoe County Safe Driving   | 4     | 1         | 4           |
|                              | Hearing Conservation   | 1     | 1         | 1           |
| <b>Lemmon Valley Total</b>   |  |       |           | <b>18</b>   |
| Palomino Valley Volunteers   | Structure Protection Strategies in the Wildland/Urban Interface  | 2     | 1         | 2           |
|                              | Washoe County Safe Driving   | 2     | 1         | 2           |
| <b>Palomino Valley Total</b> |  |       |           | <b>4</b>    |
| Red Rock Volunteers          | CAPCE Carbon Monoxide Poisoning  | 1     | 1         | 1           |
|                              | CAPCE Epilepsy   | 1     | 1         | 1           |
|                              | CAPCE Workplace Stress   | 1     | 1         | 1           |
|                              | CECBEMS Back Injury Prevention   | 1     | 1         | 1           |
|                              | CECBEMS Burn Management Basic  | 1     | 1         | 1           |
|                              | CECBEMS CNS Injuries Basic   | 1     | 1         | 1           |
|                              | EVOC   | 2     | 1         | 2           |
|                              | Haz Mat Drill  | 1     | 1         | 1           |
|                              | Washoe County Safe Driving   | 1     | 1         | 1           |
| <b>Red Rock Total</b>        |  |       |           | <b>10</b>   |



# VOLUNTEER FIRE STATIONS MONTHLY REPORT

December 2016

The following report contains non-audited figures based on data extracted from the District's incident reporting system and Washoe County E-Comm Dispatch.

| Monthly Call Volume by Station & Type   |                  |                     |                                    |                               |                                 |                |               |             |           |
|---|------------------|---------------------|------------------------------------|-------------------------------|---------------------------------|----------------|---------------|-------------|-----------|
| VOLUNTEER<br>RESPONSE:<br>INCIDENT TYPE | STATION/DISTRICT |                     |                                    |                               |                                 |                |               |             | TOTAL     |
|   | 221-Silver Lake  | 223 - Lemmon Valley | 225 - Wadsworth (Pyramid Lake VFD) | 227, 237, 301 - South Valleys | 229 - Palomino Valley Auxiliary | 240 - Red Rock | 242 - Gerlach | 351 - Verdi |           |
| Structure Fire                          | 1                | 1                   |                                    |                               |                                 |                |               |             | 2         |
| Wildland Fire                           |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Vehicle/Trash/Other Fire                |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Emergency Medical Services              |                  | 3                   |                                    |                               | 3                               | 2              |               |             | 8         |
| Motor Vehicle Accident                  |                  | 2                   |                                    |                               |                                 |                |               |             | 2         |
| Rescue                                  |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| HazMat/Hazardous Condition              | 1                |                     | 1                                  |                               |                                 |                |               |             | 2         |
| Public Assist                           |                  | 1                   | 1                                  |                               |                                 |                | 1             |             | 3         |
| Good Intent Call                        |                  |                     |                                    |                               |                                 |                | 1             |             | 1         |
| Activated Fire Alarm                    |                  |                     |                                    |                               |                                 | 1              |               |             | 1         |
| Severe Weather Related                  |                  | 1                   |                                    |                               |                                 |                | 1             |             | 2         |
| Lightning Plan                          |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| Other                                   |                  |                     |                                    |                               |                                 |                |               |             | 0         |
| <b>DECEMBER 2016 TOTAL</b>              | <b>2</b>         | <b>8</b>            | <b>1</b>                           | <b>1</b>                      | <b>0</b>                        | <b>3</b>       | <b>3</b>      | <b>3</b>    | <b>21</b> |

*In the month of November, 2016 the Truckee Meadows Volunteers responded to 21 incidents. (Wadsworth Volunteers operate under Pyramid Lake Volunteer Fire Department. Incidents listed for the Wadsworth Volunteer Station 225 are specific to responses in the Truckee Meadows Fire Protection District boundary, and do not include responses into tribal territory.)*

AGENDA ITEM # 8C

## **SIGNIFICANT INCIDENTS**

Significant incidents for the month are reported below. The number of incidents reported in the Call Volume Table may not exactly match the narrative provided below; i.e. a structure fire that is limited to a small out building is reported in the Call Volume, however it does not warrant inclusion below.

| <b>Station by Commission District</b> |                 |                     |
|---------------------------------------|-----------------|---------------------|
| <b>Station</b>                        | <b>District</b> | <b>Commissioner</b> |
| Station 13 – Stead                    | 5               | Herman              |
| Station 14 – Damonte Ranch            | 2               | Lucey               |
| Station 15 – Sun Valley               | 3/5             | Jung / Herman       |
| Station 16 – East Washoe Valley       | 2               | Lucey               |
| Station 17 – Spanish Springs          | 4               | Hartung             |
| Station 18 – Cold Springs             | 5               | Herman              |
| Station 30 – West Washoe Valley       | 2               | Lucey               |
| Station 35 – Mogul                    | 5/1             | Herman/Berkbigler   |
| Station 36 – Arrowcreek               | 2               | Lucey               |
| Station 37 – Hidden Valley            | 2/4             | Lucey/Hartung       |
| Station 39 – Galena Forest            | 2/1             | Lucey/Berkbigler    |

*Stations are predominantly within the Commissioner's District as listed above.*

### **Incidents:**

#### **Structure Fire – Station 15 (Sun Valley); 5725 Side Hill Lane, Sun Valley Commission District 3/5**

On December 17<sup>th</sup> at 11:18 hours, units were dispatched to a possible structure fire at 5725 Side Hill Drive in Sun Valley. BC 3 arrived on scene to find a vacant double wide trailer with smoke showing from the eaves of the house, as well as fire in two rooms. E 35 was able to establish their own water supply on way into the scene, and with a quick transitional attack, we were able to keep the fire contained to the two back bedrooms of the structure. There was considerable smoke damage done. However, the fire was contained to the bedrooms.

4 TM Engines, 1 TM Training Captain, 2 TM Battalion Chiefs, an 16 TM personnel responded to this incident.

**Structure Fire – Station 13 (Stead); 10875 Osage Road  
Commission District 5  
2 in & 2 out required**

On December 26<sup>th</sup> at 14:26 hours, crews responded to a Structure Fire at 10875 Osage Road in TM District 13. E13 arrived on scene and reported a well involved, 1500 square foot, wood frame, single family dwelling. An interior fire attack was made and the fire was contained to the building of origin. This area has no fire hydrants, and required additional water tenders to respond. Two family pets perished during this fire. The cause of the fire is under investigation.

4 TM Engines, 2 TM Water Tenders, 1 Silver Lake Water Tender, and 1 TM Battalion Chief responded to this incident.

**TRAINING AND ACTIVITY**

| STATION                    | ACTIVITY   | CREWS | HOURS PER | TOTAL HOURS |
|----------------------------|--|-------|-----------|-------------|
| Red Rock Volunteers        | CAPCE MRSA Infections  | 1     | 1         | 1           |
|                            | Haz Mat Drill  | 1     | 1         | 1           |
| <b>Red Rock Total</b>      |  |       |           | <b>2</b>    |
| Silver Lake Volunteers     | CECBEMS Bleeding and Shock Basic   | 1     | 1         | 1           |
|                            | CECBEMS CNS Injuries Basic   | 1     | 1         | 1           |
|                            | Haz Mat Drill  | 2     | 1         | 2           |
|                            | Hearing Conservation   | 1     | 1         | 1           |
|                            | Washoe County Safe Driving   | 1     | 1         | 1           |
|                            | Water Supply   | 1     | 1         | 1           |
| <b>Silver Lake Total</b>   |  |       |           | <b>7</b>    |
| South Valleys Volunteers   | CAPCE Abdominal Trauma Basic   | 1     | 1         | 1           |
|                            | CAPCE Airway Management Basic  | 1     | 1         | 1           |
|                            | Haz Mat Drill  | 3     | 1         | 3           |
| <b>South Valleys Total</b> |  |       |           | <b>5</b>    |
| Verdi Volunteers           | CECBEMS Bleeding and Shock Advanced  | 1     | 1         | 1           |
|                            | CECBEMS Bleeding and Shock Basic   | 1     | 1         | 1           |
|                            | CECBEMS HIV/AIDS Awareness   | 1     | 2         | 2           |
|                            | Snow chain installation review, refresher review of extrication equipment on E-35 and E-351. | 2     | 1         | 2           |
|                            | Washoe County Safe Driving   | 1     | 1         | 1           |
| <b>Verdi Total</b>         |  |       |           | <b>7</b>    |



# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT

## STAFF REPORT

Board Meeting Date: February 21, 2017

Fire Chief ☒  
Finance ☒  
Legal ☒  
Risk Mgt. ☒  
HR ☒

**DATE:** January 31, 2017  
**TO:** Truckee Meadows Fire Protection District Board of Fire Commissioners  
**FROM:** Amy Ray, Fire Marshal  
Telephone: (775) 326-6005, Email: array@tmfpd.us  
**THROUGH:** Charles A. Moore, Fire Chief  
**SUBJECT:** Discussion and possible approval, acceptance and ratification of a Community Wildfire Protection Plan developed by the Arrowcreek Home Owners Association. (All Commission Districts)

### SUMMARY

This item is discussion and possible approval, acceptance, and ratification of a Community Wildfire Protection Plan (CWPP) developed by the Arrowcreek Home Owners Association (HOA).

**Strategic Objective supported by this item:** *Safe, Secure and Healthy Communities.*

### PREVIOUS ACTION

September 15, 2015, the Board of Fire Commissioners approved a CWPP by the West Washoe Wildfire Preparedness Group.

### BACKGROUND

A wildfire event can be a costly and devastating event within a community. More homes are at risk from wildland fires as people continue to move into and build within the Wildland-Urban Interface (WUI). The Healthy Forest Restoration Act (HFRA) of 2003 was established to provide assistance to communities to prevent the impacts of a wildfire event within the community. The HFRA defines the minimum requirements for a CWPP to mitigate the wildfire risk to a community. Vegetation management and wildfire protection within the Wildland-Urban Interface areas can help reduce or eliminate the negative impact of a wildfire event. The HFRA, through the CWPP, encourages and empowers communities to take action to ensure that their homes are prepared and protected during a wildfire event, as staffing and resources may prevent the fire agencies from being able to put fire engines at every home for protection.

A CWPP can be an effective tool to encourage vegetation management and wildfire protection within a community situated in a Wildland-Urban Interface area. Development and implementation of a CWPP can reduce the risk of wildfire by creating defensible and survivable spaces while maintaining aesthetic enjoyment of natural vegetation and features of the land within the WUI. The CWPP will also create compliance with the International Wildland-Urban Interface Code, as adopted by Washoe County Code 60, NRS 472, 473, 474, 477, NAC 477 and SB-94 for the Lake Tahoe Basin.

The CWPP provides a mechanism for collaboration within a community and with local emergency response agencies for strategies and resources to establish and maintain healthy land management and fuel mitigation. This collaborative process encourages and clarifies the priorities of the community to protect life, property, critical infrastructure and valued resources. The CWPP allows the Community to prioritize and implement what it feels is a plan for mitigation and management of vegetation and create survivable space for the community should a wildfire event occur.

The homeowners within the Arrowcreek HOA have developed a CWPP for their community. They have worked with Resource Concepts Inc. (RCI) to develop this plan. This plan outlines what the Arrowcreek HOA feels is important to manage the natural vegetation within the community and provide for wildfire protection. Their collaboration as a community and with local emergency response agencies has produced a document that they will use to implement wildfire mitigation strategies to provide defensible and survivable space within the community should a wildfire event occur. This CWPP will also enable the Arrowcreek HOA to apply for State and Federal funding to support their goals for vegetation management and wildfire protection and move them forward to becoming recognized as a Fire Adapted Community within the Truckee Meadows Fire Protection District.

#### **FISCAL IMPACT**

Truckee Meadows Fire Protection District (TMFPD) anticipates no fiscal impact as a result of this adoption.

#### **RECOMMENDATION**

TMFPD staff recommends that the Board of Fire Commissioners for the Truckee Meadows Fire Protection District approve, accept and ratify a Community Wildfire Protection Plan developed by the Arrowcreek Home Owners Association

#### **POSSIBLE MOTION**

Should the Board agree with the staff's recommendation, a possible motion could be:

*"I move to approve, accept and ratify Community Wildfire Protection Plan developed by the Arrowcreek Home Owners Association."*



**WASHOE COUNTY  
BOARD OF COUNTY COMMISSIONERS**

1001 E. 9th Street  
P.O. Box 11130  
Reno, Nevada 89520-0027  
Phone: (775) 328-2000  
Fax: (775) 328-2491  
[www.washoecounty.us](http://www.washoecounty.us)

January 27, 2017

Ms. Janet Ouren and Ms. Kathi Delegal,  
Arrowcreek Fuels Management and Fire Safety Committee  
Arrowcreek Homeowners Association  
10391 Tewa Court  
Reno, NV 89511

Re: Arrowcreek Community Wildfire Protection Plan & Fuels Assessment

Dear Ms. Ouren and Ms. Delegal,

I would like to take this opportunity to thank you both for your interest in preserving our community and land within Washoe County and the Truckee Meadows Fire Protection District.

I have reviewed the Arrowcreek Community Wildfire Protection Plan and Fuels assessment that was provided to the Board of Washoe County Commissioners and the Board of Fire Commissioners.

As Chairman of Board of Commissioners I would like to offer my support for your plan to reduce risk and wildfire fuels for residents within your community. Also, would like to commend you on your proactive effort to protect life and property from the dangers of wildfires.

I will place this item on the agenda for the Board of Fire Commissioners regular meeting on February 21, 2017 for approval and full ratification by the board.

My Best,

A handwritten signature in black ink, appearing to read "Bob Lucey".

Bob Lucey, Chairman  
Washoe County Commission  
Truckee Meadows Fire Protection District

CC: Charles Moore, Fire Chief



**Arrowcreek Community Wildfire Protection Plan  
Washoe County, NV**



**FINAL DRAFT  
August 19, 2013**

**Prepared For:**  
Arrowcreek Homeowners Association  
Safety Committee

**Prepared By:**  
 Resource Concepts, Inc.  
340 N. Minnesota Street  
Carson City, Nevada 90703  
775 / 883-1600

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- Appendix A. Mechanical Treatments
- Appendix B. Seeding Treatments
- Appendix C. Herbicide Treatments

## Introduction

The Arrowcreek Master Planned Golf Community is located in Washoe County, Nevada, southwest of Reno, approximately seven miles northeast of Mount Rose in the Carson Range. The interaction of weather, vegetation, and steep topography in this area creates exceedingly hazardous wildfire conditions and the potential for extreme fire behavior. Both recent and historic fire scars are evidence of the unavoidable event of wildland fire in this environment. Lightning strikes as well as human-caused fires have burned more than 25,000 acres in the wildland-urban interface (WUI) in the Carson Range foothills over the last two decades. Some of the larger, recent fires that have occurred near Arrowcreek are identified in Table 1.0. The cumulative effect of these wildland fires included the loss of life, loss of property, lowered property values, and high costs for post-fire rehabilitation. The environmental effects to natural resources and wildlife have had some long-term adverse effects.

Resource Concepts, Inc (RCI) was retained by the Arrowcreek Homeowner's Association (HOA) to conduct a wildfire fuel hazard assessment and prepare recommendations to reduce the risk of wildfire in the Arrowcreek Planned Community.

**Table 1. Recent wildfires in the Carson Range Wildland Urban Interface.**

| Fire Year | Name of Fire        | Acres Burned |
|-----------|---------------------|--------------|
| 1996      | Belli Fire          | 6,723        |
| 2000      | Arrowcreek Fire     | 2,788        |
| 2004      | Waterfall Fire      | 8,000        |
| 2007      | Hawken Fire         | 2,700        |
| 2011      | Caughlin Ranch Fire | 2,000        |
| 2011      | Washoe Drive Fire   | 3,700        |

## Objectives

The following objectives for the fuel hazard assessment were provided by the HOA Safety Committee.

1. Evaluate the existing fuel hazard conditions within the Arrowcreek community.
2. Identify the areas with the highest priority for treatment.
3. Develop specific treatment recommendations and options to reduce fuels in problem areas. Summarize wildfire hazards and the recommended actions for each of the primary land owners: Arrowcreek HOA, Arrowcreek Golf Course, and Washoe County.

## Description of the Project Area

The Arrowcreek Community encompasses approximately 3,200 acres that include luxury custom homes, two golf courses, the Residence Club with hiking and biking trails, and undeveloped open space. The long perimeter around the community creates a large area of wildland-urban interface (WUI). The development was constructed and designed around the natural rolling topography and steep drainage channels characteristic of the east slope foothills.

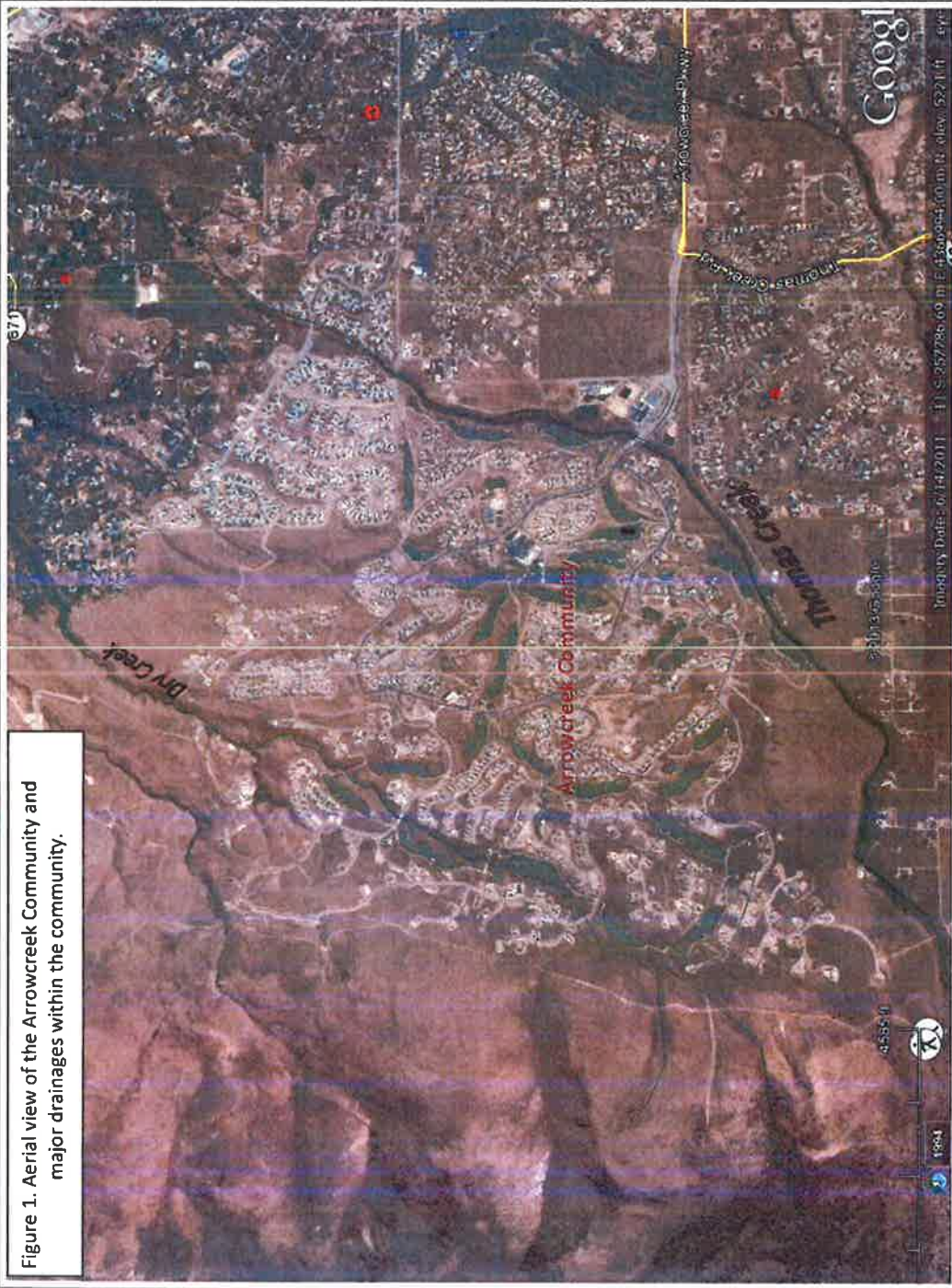
Slope, aspect, and topographic features are used to predict fire behavior. The foothills are dissected by numerous small drainage features and two primary canyon-like ravines that bisect the community, Thomas Creek and Dry Creek (Figure 1). These topographical features are prone to higher wind speeds than adjacent areas and thus increase the potential for hazardous fire behavior, especially in the event of a wind-driven fire. In wildland fire terminology they are called *wicks* that can carry fire into or out of the community (depending upon the wind direction) at accelerated rates.

### **HOA Open Space**

Undeveloped open space throughout the community and undeveloped lots are generally characterized by mountain shrub vegetation typical of the east slope foothills. The two primary native vegetation types are mountain big sagebrush/bitterbrush (*Artemisia tridentata* ssp. *vaseyana*/*Purshia tridentata*) and low sagebrush (*Artemisia arbuscula*).

In wildland fire terminology, the diverse assemblage of native shrubs, grasses, and wildflowers compose the 'fuel' for wildland fires. The non-native invasive annual grasses, cheatgrass (*Bromus tectorum*) and medusahead (*Taeniatherum caput-medusa*) are present throughout the shrublands. These highly flammable annual plants increase the wildland fuel hazard exponentially in a wet year with higher than normal precipitation. They also pose the risk of replacing the dominant native shrub vegetation with annual grasses and weeds following a wildfire.





### ***Golf Course Open Space***

Hazard and out-of-bound areas adjacent to and between golf tees, fairways, and greens consist mostly of native mountain shrub vegetation. Areas that were built with imported fill material during grading and construction are 'naturalized' with seedings of an adapted, fire resistant grass called crested wheatgrass (*Agropyron cristatum*,) native grasses, and wildflowers. The fill areas also host numerous populations of a noxious weeds, including perennial pepperweed (*Lepidium latifolium*) and musk thistle (*Carduus nutans*).

### ***Washoe County Open Space***

The large tracts of land around the north and south perimeter of the Arrowcreek community are owned by Washoe County. Large portions of the Washoe County land north of the Community were burned in the Arrowcreek fire. On the west side of the Community is a narrow band of property belonging to Washoe County that borders the Toiyabe National Forest. Washoe County land on the south side of the Community has not burned in recent years and is characterized by dense, mature stands of mountain shrub vegetation.

## **Fuel Types**

Large tracts of native shrublands are interspersed throughout the Arrowcreek community in the undeveloped community open space and golf course open space and hazards. The majority of the Arrowcreek community did not burn in 2000 in the Arrowcreek fire. In the non-burned shrublands, some of the native shrubs have grown to maturity leaving only small interspaces or no interspace at all between shrubs. This condition is described in wildland terminology as a *continuous fuel bed* and increases the potential severity and rate of spread of wildfires.

### ***Big Sagebrush/Bitterbrush***

Mountain big sagebrush and bitterbrush are highly flammable and volatile. A continuous fuel bed of big sagebrush/bitterbrush can rapidly spread wildfire, especially under windy conditions, and represents a high to extreme fuel hazard condition and a high risk to the community. The fuel hazard increases as slopes steepen.



***Low Sagebrush***

Low sagebrush is one of the low-growing forms of sagebrush that occupies sites with shallow soils and a shallow depth to a restrictive clay layer. Low sagebrush sites in the Arrowcreek community have a diverse component of native grasses and forbs and generally do not form continuous fuel beds. Overall, the fuel hazard associated with the low sagebrush sites does not exceed moderate.

***Cheatgrass***

Cheatgrass (*Bromus tectorum*) is a highly flammable annual grass that provides a readily ignited fuel bed and a fast advancing fire front. In a wet year with above normal winter and spring precipitation, cheatgrass can form a continuous layer of fuel that ladders fire into adjacent shrubs and any other flammable material it comes into contact with. A few sites in the Arrowcreek community are dominated by a continuous expanse of cheatgrass and other flammable annual weeds. Cheatgrass is also a minor component in all native shrub sites. Cheatgrass growth is dependent on winter and spring moisture; it produces higher volumes of fuel in high moisture years, and less in years with below normal precipitation. The cheatgrass fuel hazard condition can vary accordingly from moderate to extreme.

***Perennial Pepperweed***

Perennial pepperweed [also known as tall whitetop] is a prevalent invasive species especially near and within wetlands, floodplains, and springs in Washoe County. This species is on the Nevada Noxious and Invasive Species list and was very likely introduced in the Arrowcreek Community during construction and import of fill material.

The underground rhizomatous root system of perennial pepperweed is stimulated by practices that only remove or harvest the above-ground canopy. When eradication of perennial pepperweed is the objective, it cannot be controlled by pulling, grazing or burning alone. The best control success has been achieved with successive herbicide application treatments. Only marginal success has been documented for perennial pepperweed eradication using controlled grazing unless it is followed with herbicide applications.

## Assessment Methods

All of the open space areas in the Arrowcreek community were observed by the RCI Fire Specialist and the RCI Fire Ecologist to evaluate the existing fuel hazard conditions. The majority of the community open space areas were observed from the roads with some areas explored on foot. The Arrowcreek golf course open space was accessed and was effectively evaluated from the golf cart provided by the Arrowcreek Country Club. The Arrowcreek HOA Safety Committee provided the project basemap that delineated private property parcels, homeowner open space, the Arrowcreek golf courses, and the adjacent Washoe County parcels.

### Field Reconnaissance Survey

The RCI Specialists evaluated the fuel hazard conditions based upon the fuel type, the topography, and the fuel bed configuration. Areas identified in need of fuel reduction treatments and the responsible owner were recorded and mapped.

## Results

The fuel hazard conditions within the Arrowcreek community range from low to high.

Some of the recently burned sites still have low shrub cover and adequate spacing between individual shrubs and would be considered a moderate fuel hazard condition, particularly in low cheatgrass production years and do not require treatment at this time.

High fuel hazard conditions occur in areas that have not recently burned, where shrub heights are greater than 30 inches, and there is little or no space between shrub crowns.

A total of 11 sites were identified with high fuel hazard conditions within HOA open space that need treatment.

Within the Legend and Challenge golf courses, a total of 28 sites were identified in high fuel hazard condition.

All of the Washoe County property on the south side of the Arrowcreek Community was assessed as high fuel hazard condition.

## Descriptions of Recommended Treatments

### Selective Hand-Thinning, Pile, and Haul

Hand-thinning is a treatment that should be used on slopes that are too steep for the safe operation of large equipment and in sensitive areas where species selection, rockiness, and slope stability are of concern. Careful selection and marking of the shrubs to be removed prior to treatment will maintain aesthetic and other ecosystem values. Procedures for selective hand-thinning, including removal of woody biomass from the treatment area, are included in Appendix A.

### Selective Mastication

Mastication is a mechanical ‘mowing’ treatment using a boom-mounted mastication head on a low ground pressure excavator to grind woody biomass into mulch that is left as groundcover. There is no disposal of woody biomass following mastication. The boom-mounted masticator should be capable of reaching approximately 30 feet laterally from the excavator to create openings in the shrub cover. Selective removal of dead and decadent shrubs and retaining vigorous shrubs or clusters of shrubs in a mosaic pattern, (*shrub islands*) will require site specific marking of the treatment area prior to treating. The advantage of selective thinning is to reduce hazardous fuels and maintain a natural appearance on the landscape. Specifications for mastication treatment are included in Appendix A.

### Seeding

The potential for spreading cheatgrass and noxious weeds within the Arrowcreek community is high. Cheatgrass is a common annual grass that aggressively invades disturbed areas, especially burns. Even small disturbances to soil surfaces and soil exposure following defensible space treatment could become dominated with this undesirable, flammable species. Replacement of a native shrub community with a pure stand of cheatgrass increases the susceptibility of an area to repeated wildfire ignitions, especially in mid to late summer when desiccating winds and lightning activity are more prevalent. Seeding is recommended to be used with all fuel reduction treatments to reduce the potential for cheatgrass dominance in the vegetation composition.

The recommended seed mixture and seeding procedures for Arrowcreek are given in Appendix B. The Arrowcreek open space seed mixture includes native and adapted species that have been shown to be adapted to the climate and soils in the Arrowcreek community.

### Herbicide Treatments: Cheatgrass and Noxious Weed Replacement

Eliminating cheatgrass is an arduous task that focuses on depleting the cheatgrass seed bank in the soil. Mowing annually before seeds mature will reduce cheatgrass growth and reproduction over time. Use of pre-emergent herbicides can have the same effect. Early season controlled grazing prior to and during flowering is another mechanism for

depleting the seed bank. It may take years of intensive treatment with any of these efforts to fully eliminate cheatgrass from being a dominant component of the vegetation, but it is a necessary process in order to return the landscape to a more fire-resistant condition.

Noxious weeds, particularly perennial pepperweed, produce dense patches of easily ignited fuel when the vegetation cures and goes dormant. These weed patches throughout the golf courses provide the seed source for additional infestations throughout the community and the upper Truckee Meadows watershed. Noxious weeds are notoriously difficult to control. The best results have been with the use of herbicides. Chemical control of noxious weeds includes the safety precautions and procedures that are specified in Appendix C.



## Overall Recommendations

Recommendations to reduce hazardous fuel conditions and maintain fire-resistant open space include treatments and practices to:

- *Modify the spatial arrangement of the dominant and mature tall shrubs to create openings and break up the continuous fuel bed.*
- *Replace highly flammable fine fuels (primarily cheatgrass, mustard, and perennial pepperweed) with long-lived, more fire-resistant perennial bunch grasses and wildflowers.*
- *Acknowledge that living vegetation and fuel conditions are continually growing and changing with time and the HOA must make a long-term commitment to fuel assessment and treatment as an on-going practice. Cheatgrass and annual fuels should be assessed annually and treated when needed. Shrublands should be assessed on a three to five year cycle depending upon annual growing conditions.*
- *Retain the services of a wildland fire specialist to serve as the Project Manager/Inspector during treatment implementation to assure compliance with treatment prescriptions and desired results.*

## Area-Specific Treatment Recommendations and Priorities

The treatment recommendations given in the following tables were identified during the field reconnaissance survey and are shown on Figure 2 located in the back pocket of this report. Management of native vegetation in open space is necessary to keep the plant communities healthy and resilient to wildfire and to maintain property values in the developed areas.

All of the recommended treatments are considered priority actions for the respective property owners. However overall, the most hazardous fuel conditions throughout the Arrowcreek Community are the steep drainage gulches (wicks) and the unburned perimeter of the community in the wildland-urban interface (WUI). These areas are noted with a "1" in the priority column in Tables 2, 3, and 4. Replacement of perennial pepperweed fuels also ranks as a high priority recommendation because of its additional hazard as a noxious species. These areas are noted with a "2" in the priority column.

Specific treatment areas recommended for treatment within the HOA open space are highlighted in Figure 3 located in the back pocket of this report.

**Table 2. Recommended Treatments in Arrowcreek HOA Open Space**

| Priority | Treatment ID | Treatment Description   |
|----------|--------------|---|
|          | <b>HOA 1</b> | Masticate brush to create a landscape mosaic and break up the continuous fuel bed.  |
|          | <b>HOA 2</b> | As a general, overall observation, the trees in many of the streetscape areas are overgrown and should be thinned to accommodate the full size of mature trees. Irrigation should be increased to maintain large, healthy, green trees.   |
|          | <b>HOA 3</b> | Masticate brush to create a landscape mosaic and break up the continuous fuel bed. Create interspaces between shrubs that are at least equal to two times the height of the shrubs or larger openings between shrub islands.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |
|          | <b>HOA 4</b> | Masticate brush to create a landscape mosaic and break up the continuous fuel bed. Create interspaces between shrubs that are at least equal to two times the height of the shrubs or larger openings between shrub islands.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |
| <b>1</b> | <b>HOA 5</b> | North-facing slope of the drainage needs thinning. Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |
| <b>1</b> | <b>HOA 6</b> | Thin brush in the drainage north of Emergency Access Road 51.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment.  |
| <b>1</b> | <b>HOA 7</b> | East side: Thin brush on both sides of the drainage. Masticate brush to create a landscape mosaic and reduce fuel load and fuel continuity.<br>West side: Thin brush up to the base of the rock wall. Masticate brush to create a landscape mosaic and reduce fuel load and fuel continuity.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment. |
| <b>1</b> | <b>HOA 8</b> | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment.  |

| Priority | Treatment ID | Treatment Description   |
|----------|--------------|---|
| 1        | HOA 9        | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment.  |
| 1        | HOA 10       | Needs thinning on west side below houses.<br>Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment. |
| 1        | HOA 11       | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment.  |
|          | HOA 12       | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity.<br>Seed prior to treatment, and/or seed interspaces in the fall following treatment.  |

**Table 3. Recommended Treatments in the  
Legend Golf Course Open Space**

| Priority | Treatment ID | Treatment Description   |
|----------|--------------|---|
|          | <b>L1-1</b>  | Thin shrub stand by first removing dead and decadent shrubs. Then remove sagebrush from around bitterbrush plants and prune bitterbrush if needed to create spacing between plants equal to at least two times the height of the remaining shrubs or larger openings between shrub islands. Seed prior to treatment, and/or seed interspaces in the fall following treatment. |
|          | <b>L2</b>    | No treatment areas identified at this time.   |
| <b>1</b> | <b>L3-1</b>  | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity. Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species. Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |
|          | <b>L4</b>    | No treatment areas identified at this time.   |
| <b>1</b> | <b>L5-1</b>  | Thin brush on north-facing slope of drainage. Hand thinning recommended to decrease disturbance and unintentional damage. Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |
| <b>2</b> | <b>L6-1</b>  | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species. Seed prior to treatment, and/or seed interspaces in the fall.   |
|          | <b>L7</b>    | No treatment areas identified at this time.   |
| <b>2</b> | <b>L8</b>    | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species.   |
|          | <b>L9</b>    | No treatment areas identified at this time.   |
|          | <b>L10</b>   | No treatment areas identified at this time.   |
|          | <b>L11</b>   | No treatment areas identified at this time.   |
|          | <b>L12-1</b> | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity. Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |

| Priority | Treatment ID   | Treatment Description   |
|----------|----------------|---|
| 1        | L13-1          | Thin brush in the drainage below the gatehouse. Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |
| 1        | L14-1          | Mow cheatgrass and annual weeds on slope. A hand-operated weed-eater is recommended.  |
| 1        | L15-1          | Drainage between holes 14 and 15. Thin brush to create interspaces between shrubs equal to at least two times the height of the shrubs or larger openings between shrub islands. Hand thinning recommended to decrease disturbance and collateral damage. |
|          | L16            | No treatment areas identified at this time.   |
|          | L17            | No treatment areas identified at this time.   |
| 2        | L-18           | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species.   |
|          | L18-1<br>L18-2 | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity. Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |



**Table 4. Recommended Treatments for the  
Challenge Golf Course Open Space**

| <b>Priority</b> | <b>Treatment ID</b> | <b>Treatment Description</b>   |
|-----------------|---------------------|--|
| <b>1</b>        | <b>C1-1</b>         | Fall herbicide application to control cheatgrass followed by seeding the following fall.   |
| <b>1</b>        | <b>C1-2</b>         | Fall herbicide application to control cheatgrass followed by seeding the following fall.   |
| <b>1</b>        | <b>C1-3</b>         | Fall herbicide application to control cheatgrass followed by seeding the following fall.   |
| <b>2</b>        | <b>C2</b>           | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species.  |
|                 | <b>C2-1</b>         | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity. Seed prior to treatment, and/or seed interspaces in the fall following treatment.  |
|                 | <b>C2-2</b>         | Remove dead brush.   |
| <b>1</b>        | <b>C3-1</b>         | Fall herbicide application to control cheatgrass followed by seeding the following fall.   |
|                 | <b>C4</b>           | No treatment areas identified at this time.  |
| <b>2</b>        | <b>C5</b>           | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species.  |
|                 | <b>C5-1</b>         | Thin shrub stand by first removing dead and decadent shrubs. Then remove sagebrush from around bitterbrush plants and prune bitterbrush if needed to create spacing between plants equal to at least two times the height of the remaining shrubs, or larger openings between shrub islands. Seed prior to treatment, and/or seed interspaces in the fall following treatment. |
| <b>2</b>        | <b>C6</b>           | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species.  |
| <b>2</b>        | <b>C7</b>           | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species.  |

| Priority | Treatment ID | Treatment Description   |
|----------|--------------|---|
| 1        | C7-1<br>C7-2 | Thin shrub stand by first removing dead and decadent shrubs. Then remove sagebrush from around bitterbrush plants and prune bitterbrush if needed to create spacing between plants equal to at least two times the height of the remaining shrubs or larger openings between shrub islands. Seed prior to treatment, and/or seed interspaces in the fall following treatment. |
| 1        | C8-1<br>C8-2 | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity. Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |
| 1        | C9-1         | [Upper reach of Dry Creek] Masticate brush to create a landscape mosaic and reduce fuel load and fuel continuity.   |
| 1        | C10-1        | Masticate brush to create a landscape mosaic that will reduce the fuel load and break up the fuel bed continuity. Seed prior to treatment, and/or seed interspaces in the fall following treatment.   |
|          | C11          | No treatment areas identified at this time.   |
|          | C12-1        | Remove dead and decadent shrubs.  |
| 1        | C12-2        | Drainage area: Thin brush to create interspaces between shrubs equal to at least two times the height of the shrubs, or larger interspaces between shrub islands. Hand thinning is recommended to decrease disturbance and unintentional damage.  |
| 1        | C13-1        | Remove dead and decadent shrubs. Fall herbicide application to control cheatgrass followed by seeding the following fall.   |
| 1        | C14-1        | Remove dead and decadent shrubs. Fall herbicide application to control cheatgrass followed by seeding the following fall.   |
|          | C15          | No treatment areas identified at this time.   |
| 2        | C16          | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species.   |
| 2        | C17          | Treat to eradicate perennial pepperweed infestation and replace these fuels with native and adapted fire-resistant species.   |
|          | C18-1        | Thin and prune bitterbrush to create interspaces between shrubs equal to at least two times the height of the shrubs or larger interspaces between shrub islands.   |

### Recommendations for Washoe County Open Space

The large expanse of unburned sagebrush and bitterbrush fuels south of the community needs treatment to breakup the continuous fuel bed and reduce the overall fuel load. Mastication and/or hand thinning should be used to create a landscape mosaic. Interspaces between shrub islands should be seeded prior to treatment and/or in the fall following treatment to replace hazardous fuels with fire-resistant grass and wildflower species. There is a high priority for treatment of the Washoe County Open Space that is equal to the high priority areas in HOA and golf course open space.

### Cost Estimate for HOA Priority Treatment Areas

The following cost estimate is based upon costs quoted in the Saddlehorn Homeowners Association Fuels Reduction Recommendations prepared by North Lake Tahoe FPD (May 2012). The cost used below for mastication treatment of \$750.00 per acre is for moderate terrain. The cost for hand thin, pile, haul of \$1,750.00 per acre is the mid-price for moderate haul distances. The cost for seeding and mulch application is \$400.00 per acre. The range of costs presented below is based upon the best available information and represents the high and low costs that can be estimated for the Arrowcreek home owner priority treatment areas. The cut, pile, haul treatment will be limited to areas that are too steep or too rocky for mastication which would be determined by the Contractor.

| Treatment Area             | Acres | Mastication Cost Estimate | Hand Thin, Pile, Haul Cost Estimate | Seeding and Mulch Application |
|----------------------------|-------|---------------------------|-------------------------------------|-------------------------------|
| HOA 5                      | 8.32  | \$ 6,240.00               | \$ 14,560.00                        | \$ 3,328.00                   |
| HOA 6                      | 12.57 | \$ 9,427.50               | \$ 21,997.50                        | \$ 5,028.00                   |
| HOA 7                      | 27.84 | \$ 20,880.00              | \$ 48,720.00                        | \$11,136.00                   |
| HOA 8                      | 11.82 | \$ 8,865.00               | \$ 20,685.00                        | \$ 4,728.00                   |
| HOA 9                      | 3.97  | \$ 2,977.50               | \$ 6,947.50                         | \$ 1,588.00                   |
| HOA 10                     | 8.05  | \$ 6,037.50               | \$ 14,087.50                        | \$ 3,220.00                   |
| HOA 11                     | 8.89  | \$ 6,667.50               | \$ 15,557.50                        | \$ 3,556.00                   |
| <b>Total Estimate Cost</b> |       | <b>\$ 61,095.00</b>       | <b>\$ 142,555.00</b>                | <b>\$ 32,584.00</b>           |

## Conclusions

The recommended treatment areas identified during this assessment may seem isolated and protected by golf course greenstrips. However, in the event of the worst-case wildland fire scenario under high winds and dry conditions, the rate that a wildland fire will spread is multiplied as firebrands, or embers of burning material, are carried up to a mile ahead of the flame front. Firebrands landing in open space areas with hazardous fuel conditions can rapidly spread fire throughout the community. The southwest-northeast trending drainages that bisect the Arrowcreek community are aligned with the predominate prevailing wind direction and increase the risk of wildland fire ignition in the community.

Fuels management is an effective action that communities can initiate to reduce wildfire risk. To be effective, fuels management must be an ongoing process. Open space areas that were not identified for treatment during this survey should be re-evaluated in three to five years as the existing vegetation continues to mature. Big sagebrush and bitterbrush shrubs will grow taller and wider and will close the interspaces between shrubs recreating a dangerous continuous fuel bed. With cheatgrass as a component of the vegetation understory, the fuel hazard throughout the community will spike during periods of above normal precipitation and can create hazardous fuel conditions even in low sagebrush communities. Fuel hazard assessments and fuel reduction treatments are warranted every year in areas where cheatgrass is a significant part of the vegetation composition. Effective cheatgrass control and replacement will require a long-term commitment to vegetation management.

There is no way to completely eliminate the threat that wildfire bears on communities in the wildland-urban interface. The recommendations in this assessment report should be considered a starting point for addressing community wildfire safety. **Long-term community safety from wildfire requires a permanent commitment to the enforcement of fire safe guidelines, defensible space, and annual attention to fuels management.**



## Appendix A. Mechanical Treatments

### ***Hand Thin, Pile, and Haul***

Hand tools such as weed-eaters, Pulaski's, chainsaws, saws, etc. should be used to remove individual shrubs and reduce the fuel load by creating space between the remaining shrubs equal to approximately twice the remaining shrub height. Creating a mosaic of "shrub islands" and meandering interspaces will result in a natural appearance.

Individual desirable shrubs to remain on site should be clearly marked by the Project Manager prior to initiation of work. Care should be taken to avoid cutting or any disturbance within flagged areas that are designated as desirable shrub islands to remain on site.

Biomass generated from hand thinning should be moved to temporary pile locations approved by the Project Manager in preparation for chipping or grinding or removal from the Arrowcreek community.

Broadcast seeding should occur after the thinning treatment with the Arrowcreek seedmix described in Appendix B.

Chipped or ground biomass should be immediately blown into chip vans and hauled to approved areas for disposal. Upon completion of chipping and hauling, all paved or concrete surfaces should be thoroughly cleaned to remove all remaining dirt and vegetative litter.

### ***Mastication***

A boom-mounted masticator should be used to selectively remove individual shrubs and retain adequately spaced shrub islands. Areas considered for mastication treatment should be evaluated prior to treatment for safe operation of the masticator equipment. Individual desirable shrubs and shrub islands to remain on site should be clearly marked by the Project Manager prior to initiation of work. Care should be taken to avoid cutting or any disturbance within flagged areas that are to remain on site.

Careful timing of mastication treatments should include the following considerations.

- Mastication should not occur during fire season and should only be done when fuel moisture is high. Sparking can occur if rocks are hit with the masticator.
- Heavy equipment should not be operated under saturated soil conditions.

Broadcast seeding should occur before and after mastication treatment with the Arrowcreek seedmix described in Appendix B.

Vegetative chips and debris following mastication will remain on the ground.

## Appendix B. Seeding Treatments

### ***Seedbed Preparation***

The most important aspect of seeding is to assure good seed/soil contact and seed placement at the appropriate depth. The seedbed should be loosened prior to seeding to a depth of approximately 4-6 inches. This is usually accomplished by light disking or hoeing.

When broadcast seeding is used, the seedbed should be left in a loose and roughened condition to increase the opportunities for proper seed/soil placement. Seed application should occur immediately upon completion of seedbed preparation.

### ***Seed Application***

It is very important to assure good mixing of seeds prior to seeding. Smaller size seeds tend to sift to the bottom of the seed bags. Thorough mixing of the seed prior to application will assure even distribution of all species.

Broadcast seeding should be done with hand-held rotary seed spreaders and should not be done under conditions that would allow seed to become windborne.

Immediately following broadcast seed applications, the seeded areas should be lightly raked to cover seed with  $\frac{1}{4}$  -  $\frac{1}{2}$  inches of soil. This is a very shallow covering, but very critical for germination and emergence of seedlings.

**Arrowcreek Broadcast Seed Mixture**

| <b>Scientific Name</b><br><b>Common Name</b>                         | <b>Seeding Rate</b><br>(PLS* Pounds per acre) |
|--|---|
| <i>Agropyron cristatum</i><br>'Ephraim' Crested wheatgrass           | 3.0   |
| <i>Elymus lanceolatus ssp. psammophilus</i><br>Streambank wheatgrass | 1.5   |
| <i>Leymus cinereus</i><br>Great Basin wildrye                        | 3.0   |
| <i>Leymus triticoides</i><br>Creeping wildrye                        | 4.0   |
| <i>Pascopyrum spicatum</i><br>Bluebunch wheatgrass                   | 3.0   |
| <i>Poa secunda ssp. ampla</i><br>'Sherman' big bluegrass             | 0.3   |
| <i>Poa secunda ssp. sandbergii</i><br>Sandberg bluegrass             | 0.3   |
| <i>Thinopyrum intermedium</i><br>Intermediate wheatgrass             | 2.0   |
| <i>Achillea millefolium</i><br>White yarrow                          | 0.05  |
| <i>Astragalus cicer</i><br>'Lutana' cicer milkvetch                  | 1.0   |
| <i>Castilleja chromosa</i><br>Indian paintbrush                      | 0.05  |
| <i>Lotus corniculatus</i><br>Birdsfoot trefoil                       | 0.3   |
| <i>Penstemon eatonii</i><br>Firecracker penstemon                    | 0.1   |
| <i>Penstemon palmeri</i><br>Palmer penstemon                         | 0.4   |
| <b>TOTAL PLS POUNDS PER ACRE</b>                                     | <b>19</b>                                     |

\* PLS – Pure Live Seed

***Mulch Application***

The purpose and benefits of mulching is to provide an optimum microclimate for seed germination, emergence, and establishment. All seeded areas should receive a completed mulch treatment within a 24-hour period following seeding.

Mulch should be applied thinly enough to allow some sunlight to reach the soil surface, while at the same time provide ground cover for erosion control; provide light shading to moderate soil temperature extremes; and increase retention of soil surface moisture within the upper 1-3 inches where seeds are germinated and root growth is initiated.

Mulch is not a soil treatment and should not be incorporated into the soil. Mulch is evenly applied over the seeded areas at the specified rates.

Seed should not be incorporated into a hydromulch application.

***Mulch Material***

The source for native mulch material, such as wood chips and pine needles, should be inspected by a revegetation specialist prior to delivery to assure that the material is free of weeds, trash, large woody debris, and other impurities.

Wood chips or pine needles should be uniformly applied to all seeded areas in a loose layer, 2-4 inches deep (measured immediately following a loose application). Mulch applications are secured to the seeded areas by various methods depending upon accessibility, slope steepness, and the size of the treatment area.

A Psillium-based natural tackifier mixed at a rate of 2.5 pounds per 1,000 square feet (100 pounds per acre) can be applied at a rate of 200 gallons per 1,000 square feet, or per the manufacturer's recommendations. The tackifier should be permeable and allow exchange of air and moisture, should have an effective life of at least one year, and should not re-emulsify when cured.

## Appendix C. Herbicide Treatments

### ***Storage, Handling, and Disposal***

The Contractor should explicitly follow the Manufacturer's instructions and handle and store all products, and dispose of all excess product, in accordance with manufacturer's written directions as stated on the EPA registered label.

### ***Product Submittal***

Prior to the initiation of herbicide application, the Contractor should provide the Project Manager a written record and copies of invoices for all products that will be used under this specification, including the name of the product manufacturer, product name, and quantities purchased for this project. This requirement includes all herbicide products, spray surfactant, and spray dye.

### ***Equipment Calibration***

Prior to initiation of herbicide application, the Contractor should conduct a demonstration for the Project Manager with clean water to verify that the application equipment has been properly and accurately calibrated for the required application rate.

### ***Notification***

Seven (7) days in advance of application, the Contractor should notify the Project Manager of the implementation schedule for field application to allow the scheduling for project inspection during application.

### ***Submittal Of Records***

Within seven (7) days of completion of each spring application, the Contractor should submit to the Project Manager a written record for all products applied under this specification including the name of the product manufacturer, product name and the total quantities applied. This requirement includes all herbicide products, spray surfactant and spray dye.

### ***Herbicide Application***

Herbicide application should be performed by a Certified Applicator authorized by the State of Nevada Department of Agriculture. The Contractor must strictly follow ALL recommendations, restrictions, conditions, procedures and precautionary measures as stated on the EPA registered label and the supplemental labeling that addresses use on pasture and rangelands.

Applicators and handlers must wear protective clothing as stated on the herbicide label.

Herbicide application should be carefully conducted during calm early morning hours under sustained winds less than one (1) mile per hour. Extreme care must be taken to avoid drift to adjacent property or surface water.

Mixing and sprayer cleanup before and following application, and Container Disposal, should strictly follow the EPA registered label.

## **Perennial Pepperweed**

### ***Products***

A post-emergence herbicide manufactured by DuPont under the trade name 'TELAR XP' can be applied as a spot-treatment at a rate of one (1) gram per gallon of water carrier and 35 gallons of water carrier per acre, as per the EPA registered label and Supplemental Labeling for use on invasive species.

The EPA registered label requires the use of a suitable spray surfactant at a 0.25 percent volume or at the manufacturer's recommended rate.

An organic-based, water soluble, temporary spray dye, should be used according to the manufacturer's recommended rate to identify individual plants that have be sprayed.

The spring application period (April - June) should be carefully scheduled to occur when the target weed species are actively growing and either in a rosette or budding stage but prior to flower bloom. Per the EPA registered label, this product shall not be applied when the ground is frozen. The recommended period of application should occur during the interval of April 1 through June 15 each year.

Per the EPA registered label, this product shall not be sprayed or placed in contact with surface water.

All portions and surfaces of targeted weed species should be sprayed with the bulk of the plant application occurring on the lowest leaves.

## **Cheatgrass and Medusahead**

### ***Products***

A pre-emergence herbicide manufactured by DuPont under the trade name 'MATRIX' can be applied at a rate of four (4) ounces per acre mixed with water per the EPA registered label and Supplemental Labeling that addresses directions for product use in rangeland restoration.

In accordance with the EPA registered label, the use of an organic-based, water-soluble, temporary spray dye must be added to the tank mixture following the manufacturer's



recommendation to monitor areas that have be sprayed or treated and assure complete coverage.

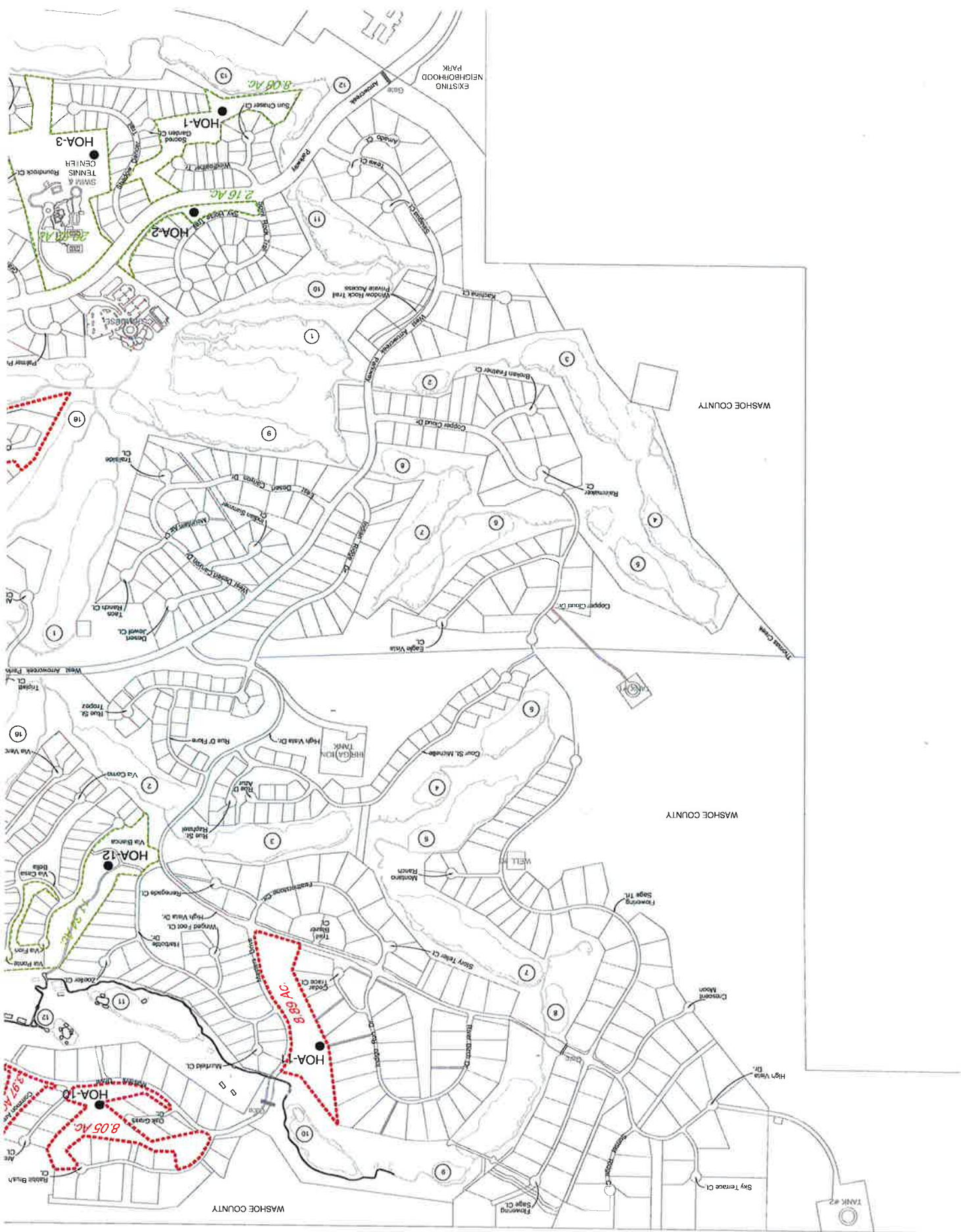
A surfactant agent such as manufactured under the name 'Activator 90', must be added to the herbicide mixture at rate of two (2) pints per 100 gallons of water.

A minimum of twenty (20) gallons of water per acre should be used in the herbicide application.

The application period should be carefully scheduled in the fall, within six (6) weeks before the expected date when the soil freezes, and within two to three (2-3) weeks of normal predicted rainfall (minimum ½ inch). This application should not occur prior to October 1.

Per the EPA registered label, this product shall not be sprayed or placed in contact with surface water. Application of this product shall not be applied within 100 feet of existing surface water including springs, streams or irrigation ditches.









# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT

## STAFF REPORT

Board Meeting Date: February 22, 2017

Fire Chief *CM*  
Finance *CM*  
Legal *CM*  
Risk Mgt. *CM*  
HR *CM*

**DATE:** February 8, 2017  
**TO:** Truckee Meadows Fire Protection District Board of Fire Commissioners  
**FROM:** Charles A. Moore, Fire Chief  
Phone: (775) 328-6123 Email: [cmoore@tmfpd.us](mailto:cmoore@tmfpd.us)  
**SUBJECT:** Approve the purchase of two (2) new All Poly 2000 Gallon Tanker Pumps from Midwest Fire, 901 Commerce Road, Luverne, Minnesota in the amount of \$437,904 using the Houston-Galveston Area Council (H-GAC) cooperating purchasing program. (All Commission Districts)

### SUMMARY

Approve the purchase of two (2) new All Poly 2000 Gallon Tanker Pumps from Midwest Fire, 901 Commerce Road, Luverne, Minnesota in the amount of \$437,904 using the Houston-Galveston Area Council (H-GAC) cooperating purchasing program.

**Strategic Objective supported by this item:** *Safe, Secure and Healthy Communities*

### PREVIOUS ACTION

March 25, 2014, the Board of Fire Commissioners approved an interlocal contract for cooperating purchasing with (H-GAC).

August 26, 2014, the Board of Fire Commissioners approved the purchase of one (1) new type I structure engine from Pierce Mfg., Inc., 2600 American Drive, Appleton, Wisconsin 54913 in the amount of \$491,295.00 using the (H-GAC) cooperating purchasing program

### BACKGROUND

Based on a GIS analysis, there are 71,242 structures in the jurisdiction of TM that are within 1000 feet of a fire hydrant. There are 19,683 that exceed this distance. That represents approximately 27.6% of structures that depend upon water tender shuttles for fire protection water. The District's strategic plan identified the need for additional water tenders. If approved, the District will acquire two more water tenders and place one at Volunteer Station 301 in Washoe Valley and one at Verdi Volunteer station 351. The proposed water tenders hold 2000 gallons, have an automatic transmission and are suited for volunteer staff to drive. The water tender now at Verdi Volunteer station is owned by Verdi Volunteer Firefighters Association. It is a double clutch 18 speed manual transmission and will be removed from service.

The water tenders are currently available for immediate delivery, assuming they remain unsold at the time of an approval.

The Local Government Purchasing Act, Chapter 332 of the Nevada Revised Statutes, permits local governments to join or use contracts of local governments located within or outside this State with the authorization of the contracting vendor. NRS 332.195(1), which the District has done with the Houston-Galveston Area Council (H-GAC) cooperating purchasing program as described above.

### **FISCAL IMPACT**

The District budgeted \$1,000,000 in FY16/17 for the purchase of a Heavy Rescue vehicle. That vehicle is not deemed necessary at this time. Therefore, there is sufficient funding in the District's Capital Budget as approved in the FY 16/17 Budget.

### **RECOMMENDATION**

It is recommended that the Board approve the purchase of two (2) new All Poly 2000 Gallon Tanker Pumpers from Midwest Fire, 901 Commerce Road, Luverne, Minnesota in the amount of \$437,904 using the Houston-Galveston Area Council (H-GAC) cooperating purchasing program.

### **POSSIBLE MOTION**

Should the Board agree with staff's recommendation, a possible motion could be:

*"I move to approve the purchase of two (2) new All Poly 2000 Gallon Tanker Pumpers from Midwest Fire, 901 Commerce Road, Luverne, Minnesota in the amount of \$437,904 using the Houston-Galveston Area Council (H-GAC) cooperating purchasing program."*



**All-Poly Series 2000 Gallon Tanker-Pumper  
Specifications**

Prepared for:

|                            |
|----------------------------|
| FDIC 2017 Stock Unit #2728 |
|----------------------------|

|                |
|----------------|
| Date: 12/12/16 |
|----------------|

|                                  |
|----------------------------------|
| Sales Representative: Jeff Bowen |
|----------------------------------|

QMS-WIN-001 Rev J

901 Commerce Road

Luverne, MN 56156

1-800-344-2059



| <b>Date</b> | <b>Change<br/>Order #</b> | <b>Op<br/>Number</b> | <b>Description</b> | <b>Rev</b> |
|-------------|---------------------------|----------------------|--------------------|------------|
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## SECTION 1: BOOSTER TANK

### 1.00 "T" Tank with a Lifetime Warranty from Its Manufacturer

The All-Poly Series features a polypropylene "T" style tank. The top of this tank may be used as a hose bed, with optional dividers (see section 14). Hose beds stretch the full width and full length of the tank.

"T"-style tank fabricated from non-corrosive, stress-relieved virgin copolymer polypropylene thermoplastic material. All exterior tank joints and seams are extrusion welded. All welds conform to DVS and AWS standards. All joints, seams, and welds tested for integrity and leaks and are certified to be free from defects. The top of the tank is white with a textured finish and is fitted with removable lifting eyes designed with a 3-to-1 safety factor to facilitate easy removal

The upper rear of the tank has a transverse internal bulkhead isolated from the water carrying portion of the tank. This area may be used for wiring connections and for installing lights and grab handles. The use of external blocks for mounting equipment will be kept to a minimum providing a pleasant appearance. Wire tubes will be installed inside the tank, originating in the transverse bulkhead and terminating at the bottom of the tank. Wires for lights and equipment will not be visible from the outside of the tank.

The material thickness will be dependent upon its function. The sides, top and ends will be 3/4" (.75) thick. The baffles and fill tower will be 3/8 to 1/2" (.50) thick.

The transverse swash partitions extend approximately 4" off the floor to just under the cover. The longitude swash partitions extend from the floor to the tank through the cover to allow for positive welding and maximum integrity. All partitions are equipped with vent and air holes to permit movement of air and water between compartments. The partitions are designed to provide maximum water flow. All swash partitions interlock with one another and are welded to each other as well to the walls of the tank. This baffling system will be fully compliant with NFPA and the DOT regulations.

3" minimum removable clean out plug at bottom rear and bottom front of the tank.

Tank fill couplings backed with flow deflectors to disperse the stream of water entering the tank, and capable of withstanding sustained fill rates of up to 1.000 G.P.M. at 100 PSI maximum.

All auxiliary outlets and inlets must meet NFPA 1900 guidelines in effect at the time of manufacture.

### 1.01 Tank Size

1.01.02 All-Poly Series 2000 gallon

### 1.02 Rear Fill Tower

Tank has an overhead fill tower with lid, located at the rear center of tank. Fill tower is constructed of 1/2" polypropylene with minimum dimensions of 16" square. The tower has a 1/4" removable Poly screen and a polypropylene hinged-type cover. The vent overflow is a minimum of schedule 40 Poly pipe with a minimal I.D. of 6" that is designed to run through the tank.



## SECTION 2:     HYDRANT FILLS AND TANK LEVEL

### 2.00   Street Side Hydrant Fills

Hydrant fill provided at the rear of the apparatus equipped with a stainless steel valve, an integral 30-degree elbow, a ¾" bleeder valve, chrome plated plug, plug holder and chain.

2.00.01           Street Side 2 ½" NST

### 2.02   Tank Level Gauge

- Pressure transducer mounted on the outside of the tank in an easily accessible area. Sealed foam tanks (if so equipped) will require zero pressure vacuum vents.
- Super bright LED display viewable from 180 degrees with a visual indication at multiple accurate levels.
- Weather resistant connectors to connect to the digital display, the pressure transducer, and the apparatus power. Additional displays are easily integrated and will receive data from the same source as the Master Display; no additional transducers required.
- Tank level gauge indicates the liquid level on easy to read LED display.

2.02.01           One (1) Innovative Controls SL Series 14 Tank Level Gauge

2.02.01.01       Installed on the street side pump panel. –Tanker/Pumper Master

2.02.01.03       Installed at the rear street side. –Additional

### 2.03   Spanner Wrenches

One adjustable hydrant wrench and two (2) spanner wrenches with holder.

2.03.01           Installed on the street side rear panel

## SECTION 3:     DUMP VALVES AND CHUTES

All dump valves will be Newton 10" square stainless steel Kwick-Dump Gate style (full flow). Flip chutes and telescopic chutes to be Stainless steel. For improved water flow, the dump valve is attached directly to the tank and not by use of a rear manifold system.

### 3.00   Manual Dump Valves

Manual dump valves will have a locking control handle.

3.00.01           12" flip chute installed on the rear dump valve.

3.00.03           36" telescoping chute installed on the street side dump valve.

3.00.04           36" telescoping chute installed on the curb side dump valve.

## SECTION 4:     PORTABLE TANK CARRIER

### 4.00   Manual Tip-down Portable Tank Carrier

One (1) manual tip-down portable tank carrier for loading/unloading of a folding water tank located above the catwalk and designed to fold down over the body side. When in the up position the tank carrier will be secured with heavy duty locking DeStaco latches. The tank carrier is constructed of 1 1/4" 14-gauge stainless steel square tubing.

A red "Carrier down" flashing LED warning light visible to the driver will illuminate when the portable tank carrier is not in the stowed position.

4.00.04          2100 gallons, curb side

#### 4.01 Manual Carrier Enclosure Options

All portable tank carrier enclosure options are enclosed on four sides and are equipped with two grab rails, except for the wind deflector. The wind deflector option is installed on the tank carrier towards the front, and only has one grab rail.

4.01.02          Portable tank carrier enclosed on three (3) sides in aluminum Tread-brite.

#### 4.06 Portable Tank

Fol-Da-Tank® portable tank with frame. The tank liner is constructed of nylon -coated material, 23 oz. side walls and a 30 oz. floor with handles installed in the floor for ease of folding. All portable tanks will have two outlets. The portable tank will be red in color and furnished with a capacity of:

4.06.04          2100 Gallons, Aluminum Frame

## SECTION 5: BODY AND COMPONENTS

### Sub-frame

Construction includes a dedicated body sub-frame which is:

- Integral to the tank cradle and constructed using extruded .25" thick aluminum tubing.
- Designed to support the body structure and to provide maximum support for the weight of the body and all stored equipment.
- Body
  - The body will be attached to the sub-frame using rigid fasteners isolated by fitted rubber bushings.
  - The mounting system provides secure attachment of the body to the sub-frame while allowing sufficient range of movement between the two assemblies.
  - The body will be enclosed on all sides and incorporate closed wheel wells and finished storage compartments.
  - Stainless steel corner guards to protect from damage on road and fire scene.
  - Front lower vertical surface of body protected with aluminum Tread-brite.
- Tank
  - The tank is held front and rear as well as side-to-side by additional cradle structures to prevent the tank from shifting during vehicle operation.
  - The tank is affixed to the cradle utilizing hat channel mounting brackets constructed of ¼" thick stainless steel. The channels are mounted beneath the center of the tank before and after the cross members of the cradle. The channel is surrounding these members and is bolted directly to the bottom of the tank thereby securing the tank to the cradle.
  - This mounting system provides a free-floating connection of the tank to the cradle which allows the chassis frame's normal movement and twist to introduce no stress upon the tank or body.
- Fenders
  - Fenders will be integral with the side of the body.

- Fender wells are constructed with full circular copolymer polypropylene thermoplastic inner liners for ease of cleaning and maintenance.
- Materials
- The entire body is fabricated from non-corrosive, stress-relieved virgin copolymer polypropylene thermoplastic material.
- All exterior body joints and seams are extrusion welded.
- All welds will conform to DVS and AWS standards.
- All joints, seams, and welds will be tested for integrity and are certified to be free from defects.
- All joints and are 100 percent welded inside and out; no skip welding is permitted.

**THE BODY WILL CARRY A LIFETIME WARRANTY FROM ITS MANUFACTURER**

## 5.00 Fenderettes

Bright polished aluminum fenderettes are installed on the wheel wells to prevent splash and enhance appearance. The fenderettes extend approximately 1" beyond the body side and are designed to be replaced. All fasteners will not be exposed to the exterior of the fenderettes or body.

## 5.01 Rub Rail

The bottom edge of the entire apparatus will have an aluminum rub-rail installed to give the body, pump house, and rear step a pleasing appearance. The rub-rail is replaceable, made from solid extruded aluminum and features a reflective stripe at the rail center.

## 5.02 Tow Eye

The tow eye will have a 3 ½" thru hole, made from 1" thick steel, powder-coated black, and bolted directly to the frame with 8 cadmium plated bolts.

5.02.01 Tow eye located ahead and below the rear step on curb side.

## 5.03 Cradle

An all-aluminum cradle is engineered and constructed to connect the chassis frame with the copolymer tank and body, and is constructed using extruded aluminum tubing .25" thick and extruded aluminum flats .375" thick. Cradle cross members are spaced to restrict unsupported portions of the tank between cross members to a maximum of 550" squared. There are cushioned rubber extrusions placed over all tank support areas to isolate the tank from the aluminum cradle.

# SECTION 6: BODY COMPARTMENTS

## 6.00 Street Side Compartment

- A sweep-out style compartment provided on the street or curb side, integral to the body, constructed using white copolymer material.
- Each compartment will have a R-O-M anodized aluminum roll-up door, door activated LED compartment lights, corrosion resistant vents, black Turtle Tile plastic dry decking, and "duck bill" floor drains.

### 6.00.01 Street Side Front Low Compartment

Compartment is located on the street side, ahead of the rear wheels. Approximate inside dimensions are 72" wide by 32" tall by 25" deep. (60" ROM door)

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## 6.01 Curb Side Compartment

- A sweep-out style compartment provided on the street or curb side, integral to the body, constructed using white copolymer material.
- Each compartment will have a R-O-M anodized aluminum roll-up door, door activated LED compartment lights, corrosion resistant vents, black Turtle Tile plastic dry decking, and "duck bill" floor drains.

### 6.01.01 Curb Side Front Low Compartment

Compartment is located on the curb side, ahead of the rear wheels. Approximate inside dimensions are 72" wide by 32" tall by 25" deep. (60" ROM door)

## SECTION 7: RUNNING BOARDS, CATWALKS, AND REAR STEP

### 7.00 Running Boards

A 12" wide running board is located at the base of the pump house and is made from Diamondback® deck plate and includes a replaceable extruded aluminum rub rail.

### 7.01 Catwalk

Catwalks are located above the street and curb side compartments, made of polished aluminum Tread-Brite and bent at a 30-degree angle to provide a drip rail.

### 7.02 Rear Step

The 12" deep rear step is NFPA compliant and made of top of the line Diamondback® extruded aluminum deck plate with a 7" tall kick plate. Rounded polished aluminum castings installed on the corners of the step.

## SECTION 8: GRAB RAILS AND FOOT STEPS

### 8.00 Grabs Rails

The grab rails are made of 1 ¼ " diameter extruded aluminum tubing with knurled finish and chrome plated stanchion brackets.

#### 8.00.01 Tank Grab Rails

There are two (2) vertical grab rails provided at the rear, one each side.

#### 8.00.03 Control Panel Grab Rails

There are two (2) horizontal grab rails provided, one on each side, above the pump control panels, and below the cross lays for ease of loading and unloading the hose cross lay.

#### 8.00.04 Tank Grab Rail - Street side

There is one (1) grab rail located on street side of tank in the upper front corner for ease of loading and unloading hose cross lays.

#### 8.00.05 Tank Grab Rail - Curb side

There is one (1) grab rail located on curb side of tank in the upper front corner of tank for ease of loading and unloading hose cross lays.

## 8.01 Folding Access Steps

As per NFPA 1901 standards, all steps are a minimum of 35" square with polished stainless steel kick-plates

### 8.01.02 Front Folding Steps - Street side

Large chrome plated illuminated folding steps are provided at the front on the street side, for access to the catwalk area. The steps are a minimum of 35" square with polished stainless steel kick-plate.

8.01.02.01 Quantity one (1)

### 8.01.03 Front Folding Steps - Curb side

Large chrome plated illuminated folding steps provided at the front on the curb side, for access to the catwalk area. The steps are a minimum of 35" square with polished stainless steel kick-plate.

8.01.03.01 Quantity one (1)

### 8.01.04 Lower Level Rear Folding Steps

Large chrome-plated illuminated folding steps provided at the rear for access to the catwalk area. The steps are a minimum of 35" square with polished stainless steel kick-plates. Other locations available below.

8.01.04.01 One (1), Curb Side

8.01.04.02 One (1), Street Side

## 8.02 Access Ladders

### 8.02.03 Hose Bed Access Ladder

An aluminum access ladder, located at the rear of tank above the dump valve for over-head access, featuring 1 1/4" diameter knurled tube rails and serrated rungs.

# SECTION 9: ELECTRICAL EQUIPMENT

## 9.00 Electrical System

- The electrical system will utilize Class1 Inc. ES-Key™ technology, UltraView™ displays and 1Touch switch modules, where applicable.
- The apparatus is equipped with a Class 1 ES-Key Management System for controlling electrical system devices. This management system is capable of performing load management functions, system switching, monitoring and reporting, and be fully programmable for a standardized electrical system utilizing the ES-Key Professional software program.
- The ES-Key system utilizes a Controller Area Network (J1939) protocol to provide multiplexed control signals for "real time" operation. The system consists of a main control module (Universal System Manager or Supernode II) and the appropriate combination of Power Distribution Module(s) (PDM), Switch Input Module(s) (SIM), and other I/O modules as required for the application.

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- Optional system enhancements may include the UltraView™ 700 display, the UltraView 450 display and 1Touch switch modules for increased graphic user interface.
- Supernode II™

The apparatus is equipped with a Class1 ES-Key™ system with a Supernode II™ high density input output node. The Supernode II™ has (24) inputs, (24) outputs, a Universal System Manager, a data logger, programmable special utilities, and select J1939 engine and drive train message reception with ES-Key™ I/O association. It must be sealed to IP-67 and have integrated power connections.

The Supernode™ has (18) positive and (6) negative outputs. Each positive output is capable of 13-amps continuous duty. The negative outputs are capable of 2-amps continuous duty. Supernode II™ outputs contain features such as digital circuit breaker, flash capability, PWM capability and open load detection.

The Supernode II™ special utility functions include timers (delay on/off and one shot), counters, bi-stable switches, and select J1939 broadcast messages. The Supernode II™ has an integrated USB port to allow for direct connection to the ES-Key system without additional interface devices.

The Supernode II™ has an integrated Load Manager. The Load Manager sequencer assures that loads are applied and removed gradually, thus eliminating the possibility of inducing failures in the vehicle's equipment.

The load manager is a precision, solid state controller which sequentially switches "ON" multiple circuits at 1/2 second intervals. Individual switches enable the user (Driver) to select output "ON or "OFF" status, at any time. The sequencer is initiated by the "Emergency Master" switch. The sequencer priority is programmed based on option content.

The aforementioned Load Manager monitors the vehicles battery voltage. Loads may be shed at any voltage at one tenth of volt increments. A low voltage warning may be set at any set point (usually 11.5 volts). The load manager can shed any output that is controlled by the system (there is no limit to the number of loads that may be managed by the network). The load shed priority is set by the circuit significance, followed closely by circuit draw. The Load Manager sheds loads until the voltage level begins to rise.

- Voltage Monitor: A voltage monitor is built into the ES-Key electrical system. It activates a warning when the alternator output voltage falls below any desired voltage (usually 11.5 volts).
- UltraView™ 700 Display

The apparatus is equipped with the UltraView™ 700 display (UV700). The UV700 is a 7 inch, full color LCD display, with (14) buttons and touch screen capability with (2) J1939 CAN Bus connections and (3) NTSC/PAL video inputs. It is bonded for direct sunlight viewing, sealed to IP67 and mounted in either the flush, pedestal or rear-mount position.



The UV700's switches are configured to allow for the control of emergency master and non-emergency master functions and are completely configurable via the ES-Key™ Professional software. Switches are set to act as momentary, maintained or three-way switches without any physical hardware change. All switches and or indicators may be configured as touch screen inputs into the ES-Key™ system. The (14) buttons are blue LED backlit.

- 1Touch Switch Modules

The apparatus is equipped with the appropriate quantity of 1Touch switch modules for enhanced device activation. The 1Touch switch module has a 4-button, configuration to accommodate specific apparatus requirements. Individual switches are backlit with multiple colored and textured switch caps and printable labels. Switch panels are sealed to IP67 and have dual LED indicators. Each switch position's back light may be individually controlled allowing for the specific switch position to be used as an indicator. Each switch pair can be configured momentary, maintained, toggle or a dimmer. Panels can be included in network dimming.

## 9.01 DOT Lighting Details

A total of nine (9) LED clearance lights and seven (7) red LED lights installed at the rear.

Two (2) amber LED lights are installed on the front street and curb sides.

Reflectors are installed per DOT specifications.

A red warning light visible to the driver in the chassis cab that illuminates when a compartment door is ajar/open.

An illuminated license plate bracket installed at rear.

## 9.02 Lower Level Rear Lighting

### 9.02.01 Quad-cluster Tail Light Package

Two (2) LED Quad-Cluster combination red LED stop/tail, clear halogen backup light, amber LED arrow type turn signal, and red LED warning light, installed at the rear. Light assemblies provided in chrome plated housing.

#### 9.02.01.01 Whelen 600 Series Quad-Cluster

# SECTION 10: EMERGENCY SIREN AND LIGHTING EQUIPMENT

## 10.00 Apparatus Control Center

All emergency lighting, options, and accessories are controlled at a master control center in the cab.

The apparatus control center:

- Controls all warning lights and scene lights
- Includes the "Master On" and "Open Door" and other optional indicator lights
- UV700 Multiplex display – If equipped.
- Controls other optional functions if equipped. (I.E. Electric Dump Valves, Pump Shift)
- Mounted Electronics, Sirens, and Radios – If equipped.

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- - Features lighted identification plates on a non-glare panel face that clearly identify each switch and its function.
- - Top plate bolted on for maintenance and adding additional items.
- - Control Centers will require that there is no seat in between the driver and passenger seats.

All warning packages are fully NFPA compliant and certified by the lighting component manufacturer to meet all requirements.

#### 10.00.01 Center Console for Freightliner Chassis

### 10.01 Light Bars:

The light bar is mounted on the cab roof.

#### 10.01.01 Whelen model JE2NFPA Justice Series light bar

Whelen model JE2NFPA Justice Series, Super-LED low-profile, 56" long. Covers front and front side zones. The light bar has four (4) linear corner modules with nine (9) Super-LED light heads per module, and six (6) CON3 modules with three (3) CON3 Super-LED light heads per module.

### 10.02 Sirens:

#### 10.02.01 Whelen Siren

Whelen model 295SLSA1 Siren 200 watt, six (6) function Class A electronic siren, mounted in the chassis cab in a location convenient to the driver. The electronic siren includes full function, 17 Scan-Lock siren tones, and hard wired microphone. The siren control is lighted for easy night operation. Available with three (3) siren mounting locations.

#### 10.02.01.02 Cast Products siren speaker flush mounted street side

### 10.04 Lower Level Lights

#### 10.04.03 Front/Rear Whelen 600 Series LED

Two (2) Whelen 600 series LED lights mounted to the grill of the chassis and two (2) mounted on the rear of the body in the quad-cluster with a chrome trim ring.

#### 10.04.03.01 Front/Rear Flashers, Red, 600 Series LED

### 10.05 Intersection Lights

All lights mounted above 18" from the ground, and no higher than 60", (preferably centered in the reflective striping if present). One (1) positioned as far forward on the hood as possible, one (1) positioned behind the cab but in front of the rear wheels if three (3) lights per side are requested, and one (1) positioned as close to the rear of the truck as practical. Lights will include a chrome bezel.

#### 10.05.01 Intersection, Red, 600 Series LED, Two (2) each side

### 10.06 Upper Level Rear Scene/Warning Lights

#### 10.06.07 Whelen M9V2R LED

Four (4) Whelen model M9V2R combination LED scene/flashers with red lenses covers the upper rear and upper side zones. One (1) light will mounted on each side over the side dump valve and two (2) lights will be mounted on the rear. Each light head has an integrated scene

light certified to AMD 024 Perimeter Illumination Spec. Lights are controlled from individual switches on the control center located in the chassis cab.

## **10.09 Ground Lights**

### **10.09.01 Four (4) ground lights**

There are four (4) LED ground lights installed to illuminate the area below the apparatus. Two (2) lights are installed below the front body, and two (2) lights are installed below the rear step area. Grounds lights will be activated when parking brake is applied.

## **SECTION 11: PAINTING, LETTERING, STRIPING, AND SIGNS**

### **11.00 Painting process**

The entire tank, body, and components will be washed, sanded, prepped for primer, cleaned and primed with PPG urethane primer filler. The body will be hand sanded and color match painted using a PPG Deltron base coat/clear coat paint. After paint is applied and properly cured the apparatus will be color sanded and buffed to a high gloss. The paint process is approved by PPG.

A two (2) ounce container of matching touch-up paint, with applicator brush, will be supplied for each color of the finished apparatus.

#### **11.00.01 Color Matched Red**

##### **11.00.01.02 Color Matched Red, 2000 gallon**

### **10-YEAR WARRANTY ON PAINTED BODY PARTS**

### **11.01 ID plate**

There is a permanent plate located in the center top chassis cab with the following information:

Quantity and type of fluids used in the vehicle. This plate includes:

- Engine oil, quantity.
- Engine coolant, quantity.
- Chassis transmission fluid, quantity.
- Pump transmission fluid, quantity.
- Drive axle lubrication fluid, quantity.
- Air conditioning refrigerant, quantity.
- Air conditioning lubrication oil, quantity.
- Power steering fluid, quantity.
- Front and rear cold tire pressure
- Number of personnel the vehicle is designed to carry located in an area visible to the driver.
- Height and length of the vehicle in feet and inches
- Gross vehicle weight rating (GVWR) in pounds

### 11.03 Vinyl Lettering

11.03.01 Provided on the chassis doors.

11.03.03 Provided for the customer unit number on the street and curb side chassis fenders.

### 11.05 Reflective striping

The apparatus body and chassis will have a reflective stripe on each side and the front per NFPA 1901 standards.

11.05.01 4" wide white reflective stripe with a 1" wide white reflective stripe spaced approximately 1/2" above.

11.05.01.01 Single Axle

11.05.03 White reflective tape inside chassis doors- Per NFPA 1901 standards any door designed to allow persons to enter or exit has a minimum of 96 square inches of retro-reflective material affixed to the inside of the door.

### 11.06 Rear Chevron

11.06.04 Diamond Grade Chevron 100%

Per NFPA 1901 standards, 100 percent of the rear will include red and fluorescent yellow/green diamond grade chevron retro-reflective striping installed, with each stripe a minimum of 6" wide.

## SECTION 12: CORROSION PROTECTION AND MUD FLAPS

### 12.00 Corrosion Protection

The All-Poly Series body has a number of features which prevent corrosion.

- All fasteners are stainless steel.
- All fasteners which are used in aluminum are plated with Magnaguard 560 to prevent galvanic corrosion resulting from dissimilar metals.
- All contacts of dissimilar metals are insulated with 3M products to prevent galvanic corrosion.
- Rub rails are Type II bright dip anodized.
- Tow rings are cadmium plated steel.
- The Poly body material eliminates the need for undercoating and sprayed on coating inside storage lockers.
- The Poly body material is non corrosive and is frequently used for storing acids.
- The Poly body material eliminates many possibilities of dissimilar metal contact caused by galvanic reaction.
- The pump house frame is made from 304 series Stainless steel which resists corrosion better than aluminum.
- All seams are 100% welded inside and outside, eliminating rust between panel flanges.

### 12.01 Mud Flaps

There are two mud flaps installed behind the rear wheels.

- The mud flaps are ¼ inch thick black rubber.

- The bottom of the mud flaps fitted with chrome weights.

## SECTION 13: PUMP AND PLUMBING

### 13.00 Pump House

#### 13.00.01 Side Control Pump House

The pump compartment features:

- The superstructure frame is made from .125" wall X 2.00" square type 304 brushed 4B finish stainless steel tubing.
- The front and a portion of the rear of the pump compartment is made from type 304 brushed 4B finish stainless steel sheets to enclose the perimeter of the water pump.
- The street and curb sides of the pump compartment are equipped with side running boards. The running boards extend along the width of the pump compartment from the rear of the chassis cab to the forward end of the body module. The running boards are constructed of Diamondback® deck plate.
- Running boards include extruded aluminum rub rail extending the length of the running boards.
- The step surfaces are in compliance to applicable sections of NFPA 1901 requirements.

#### 13.00.01.03 Pump House 36" wide

### 13.03 PTO Driven Pumps

PTO Pumps have the following standard features:

- All PTO driven pumps have pump-and-roll capability.
- Helical design and precision-cut gears to reduce noise and minimize wear
- Double seal ring design solid bronze impeller
- Stainless steel pump shaft
- Maintenance free mechanical seal
- The street and curb side pump panels and access doors are constructed entirely of aluminum and be covered with black protective material.
- The pump compartment has full width vertically hinged access doors located on the upper portion of the street and curb side pump compartment.
- A latch is furnished to hold the doors closed and have a retainer attached to prevent over extension of the opened door.
- The pump operator panels are to be completely "bolted" or hinged in place for ease of removal.
- A full panel width LED light hood is provided to illuminate the street and curb side pump panels. A service light is provided to illuminate the interior of the pump compartment. Lights are controlled by the operator's panel light switch.
- The operator's panel include the following gauges:
- "Innovative Controls" 2 1/2" 400# liquid filled stainless steel individual discharge pressure gauges and control handles.
- One (1) 3 1/2" Master Discharge Gauge and one (1) 3 1/2" Master Pump intake gauge.
- Color-coded pump panel identification labels are provided for all gauges, controls, connections, switches, inlets, and outlets.
- The intakes have a removable strainer provided and chrome plated caps.

- Pump shift is electric operated and incorporates standard automotive shifting mechanism for ease of maintenance.
- The pump shift switch is mounted in the cab and identified as "PTO Engagement". The pump shift assembly includes an indicating light to show when the PTO has been engaged.
- A master manifold type drain valve is provided with all pump drains connected to it and operate from the pump operators panel so the entire pump system may be drained by a single control.
- Per NFPA 1901 standards there shall be pump system test ports mounted on the pump panel.
- All discharges and pre-connects with a 1 ½" or larger valve, per NFPA 1901 standards, shall have drains or bleeder valves, having a minimum ¾" pipe thread connection, for bleeding off pressure from the hose connection to the outlet.
- Per NFPA 1901 standards there shall be a suction relief valve installed on the intake sides of the pump, terminated with a NST male threads.

#### 13.03.05 Darley LSP 1000 PTO Pump

##### Pump Ratings:

1000 GPM @ 150 PSI

700 GPM @ 200 PSI

500 GPM @ 250 PSI

#### 13.03.05.01 Darley LSP 1000 PTO Pump with Side Control

#### 13.03.25 PTO Auto Governor Options

##### 13.03.25.01 Fire Research "Pump Boss 400 Series Auto Governor"

##### • Features:

- Discharge pressure in PSI.
- Pump adjustment back idle.
- Engine monitoring of oil pressure, water temperature, battery voltage, and engine RPM.
- Preset function for instant and reliable operation.
- Overheat pump protection system.

#### 13.05 Primer Pump Options

##### 13.05.01 Rotary Vane Primer Pump

The rotary vane primer is a 12-volt electric, positive displacement, rotary vane type, oil-less primer for 20' to 30' suction lifts. Priming system includes a bronze push-pull valve with electric switch.

#### 13.06 Suction Intakes

On all pumps, an intake suction relief shall be provided per NFPA 1901 standards. It will be terminated with a 2 ½" NST male adapter.

##### 13.06.01 2 ½" Gated Intakes

Each intake consists of a 2 ½ " NST female chrome plated swivel intake located on the pump panel. The intake has a 2 ½ " valve, swivel adapter with screen, chrome plated plug and chain.

##### 13.06.01.01 One (1) intake, street side



#### 13.06.02 Non-Gated Master Intakes

Master intakes are plumbed out both sides of the pump house and capped with a chrome long handled cap.

##### 13.06.02.02 Two (2) 5" intakes

### 13.07 Discharges

Discharges include:

- Tee Handle Control
- 2 ½" 400 PSI Liquid Filled Stainless Pressure Gauge
- 30 Degree Elbow, cap and chain

#### 13.07.01 Side Control Pump Panel Discharges

##### 13.07.01.02 Two (2) 2 ½" Discharge, Street Side

##### 13.07.01.03 One (1) 2 ½" Discharge, Curb Side

### 13.09 Tank Fill/ Tank to Pump

#### 13.09.01 Tank Fill Valve 2"

A 2" tank fill/pump re-circulating line provided from the pump to the water tank, with a 2" valve and a 2" high-pressure flexible hose.

#### 13.09.03 Tank to Pump 3"

A 3" tank to pump line provided from the water tank to the pump, with a 3" valve and tee handle controls, and 4" plumbing with flexible connection.

## SECTION 14: HOSE TRAYS, PRE-CONNECTS AND CROSS LAYS

### 14.08 Hose Cross-Lay

- The hose cross-lay provides an area for pre-connected hose cross-lays and/or hose storage.
- The cross-lay is constructed of a 1" thick polypropylene/polyethylene floor designed to provide drainage and ventilation to the cross lay area.
- Front and rear are constructed of 1/8" aluminum.
- Side Kick Cross Lay is a pocket above the pump compartment, equipped with a poly slide out tray, built to hold 150' of 1 ¾" hose.

#### 14.08.01 Hose cross lay above Side Control Pump

### 14.09 Pre-connected Cross-Lays

- Cross lay is pre-connected via NST swivel male gated with a ball valve.
- Pre-connect has a 2 ½ " 400psi liquid filled stainless steel individual pressure gauge and control handle.

#### 14.09.02 Two (2) 1 ½ " NST male pre-connects, 2" valve

### 14.10 Cross-Lay Options

#### 14.10.01 Cross Lay Divider

Hose cross-lay is equipped with adjustable divider constructed of 1/8" aluminum.

##### 14.10.01.02 Two (2) Cross Lay Dividers

#### 14.10.04 Cross Lay Vinyl Cover

Heavy-duty flame retardant black vinyl cover with mesh ends is supplied and custom fitted to the apparatus cross lay. The cover is attached with shock cord to retain the cover during travel as required by NFPA.

##### 14.10.04.01 Black Crosslay Cover

#### 14.11 Hose bed

Hose bed runs the full length and width of the tank, and is approximately 10" tall to accommodate NFPA hose loads. The floor of the hose bed is grooved to allow the loaded hose to drain and provide ventilation. The floor is fabricated from UV stable white polypropylene. Inverted T slot are machined into the floor at three points to accommodate adjustable hose dividers.

##### 14.11.01 Hose Bed Divider

The hose bed has adjustable divider made out of copolymer. The rear of the divider will have slot cut in that can be used for a hand grip

##### 14.11.01.02 Two (2) dividers

##### 14.11.02 Hose Bed cover

Heavy-duty black vinyl hose bed cover is supplied and custom fitted to the apparatus hose bed. The cover is attached across the front of the hose bed with a rail and bead system to prevent wind from getting under the cover, with a flap to cover the back of the hose bed, and has a quick release elastic rope to retain the hose in the bed during travel as required by NFPA. Cover is fabricated from 100 % polyester. Operating temperature is -40F to 180F.

##### 14.11.02.01 Black Hose Bed Cover for 2000

## SECTION 15: EQUIPMENT STORAGE AND MOUNTING

### 15.00 Suction Hose Trays and Ladder Carriers

15.00.06 Two (2) trays located on the street side of the tank.

15.00.06.03 Fits 5"-6" Suction Hose.

## SECTION 17: CHASSIS ACCESSORIES

### 17.01 Hub and Lug nut covers

Stainless steel hub and lug nut covers are installed on front and rear aluminum wheels

17.01.02 Single axle chassis.

### 17.10 Accessories

17.10.01 Tire Pressure Indicators

Tire pressure indicators installed to allow for inspection of pressure at the tire.

17.10.01.01 Tire Pressure Indicator for Single Axle Chassis

17.10.02 Vehicle Data Recorder

A vehicle data recorder is installed on the chassis.

17.10.03 Seat Belt Monitor System

Seat belt monitor system installed. System indicates when someone is seated in a seat and if the seat belt is in use.

17.10.04 Heat Exchanger

A Heat exchanger permits the use of water from the pump to cool the engine. Cooling is done without mixing the engine antifreeze and the pump water.

17.10.04.01 OEM Installed

17.11 Chassis Exhaust

17.11.01 Standard Chassis Exhaust Modifications

Chassis exhaust is modified to exit passenger side ahead of the rear wheels and vent outwards from the edge of the body. A heat shield will be fabricated from aluminum and installed between the body and the exhaust pipe. OEM supplied exhaust tip will be used when applicable.

17.11.01.01 Freightliner Exhaust Modifications

## SECTION 18: LOOSE EQUIPMENT

18.08 Wheel Chocks

18.08.01 Two (2) Wheel Chocks, with Holders, Placed into Spare Compartment.

18.10 PVC flexible hard suction hoses

18.10.05 Two (2) 5" x 10'

## SECTION 19: CHASSIS

19.00 Midwest Fire Equipment furnished per specification attached:

| Chassis Summary     |              |                          |                             |
|---------------------|--------------|--------------------------|-----------------------------|
| Manufacturer        | Freightliner | Cab to Axle (in.)        | 150"                        |
| Model               | M2-106       | Wheel Base (in.)         | 216"                        |
| Engine Manufacturer | Cummins      | Front Axle Rating (Lbs.) | 14,600#                     |
| Engine Model        | L9           | Rear Axle Rating (Lbs.)  | 27,000#                     |
| Horsepower          | 350          | Paint Color Code         | L0762EB MED<br>RED ELITE BC |



# TRUCKEE MEADOWS FIRE PROTECTION DISTRICT

## STAFF REPORT

Board Meeting Date: February 21, 2017

Fire Chief   
Finance   
Legal   
Risk Mgt.   
HR 

**DATE:** February 3, 2017  
**TO:** Truckee Meadows Fire Protection District Board of Fire Commissioners  
**FROM:** Charles A. Moore, Fire Chief  
Phone: (775) 328-6123 Email: [cmoore@tmfpd.us](mailto:cmoore@tmfpd.us)  
**SUBJECT:** Discussion of a proposal and possible approval of a Software License Agreement and Support Agreement for CODE3SIMULATOR software. (All Commission Districts)

### SUMMARY

This item is discussion of a proposal and possible approval of a Software License Agreement and Support Agreement for CODE3SIMULATOR software.

**Strategic Objective supported by this item:** *Improve data collection and analysis to support decision making.*

### PREVIOUS ACTION

January 17, 2017, the Board, the Commission requested staff prepare a presentation and submit recommendations on data analysis software.

### BACKGROUND

Staff has reviewed a presentation from the designers of a software program that allows rapid simulations of deployment schemes and historical responses by time of day, type of call, and various other parameters which will be useful in future planning and deployment of resources.

The software will be useful for the following types of analysis:

#### **Response History Analysis**

- Analyze historical response data
- Metric analysis including turnout time, travel time, initial response time, full response time, arrival of effective firefighting force, staff/unit workload, demand/availability.
- Analyze in charts, maps or tables ("Simulation Results Analysis")
- Select/categorize/summarize by: hour of day, day of week, month of year, day of year; geographical area; incident cause or type and by assigned units
- Historical automatic and mutual aid response
- Simultaneous incident response per District or sub area.

#### **Strategy Modeling**

- Response effectiveness of station additions, closures or relocations.
- Prediction of run card changes.
- Automatic aid response schemes and predicted interference with jurisdictional calls.

- Dispatch algorithms (running order, closest unit, substitution algorithms.)
- Prediction of modified dispatch policies
- Incidents per geographical area
- Incident cause
- Time factors
- Policy goal impacts (scene times, turnout times, patient turnover times)
- Routing: traffic calming, road closures, new streets, traffic effects, custom layers
- Programmable turnout times (career/volunteer, resource type, station, time of day).

### **Simulation Results Analysis**

- Detailed audit information
- Route selection maps
- Resource assignment audit
- Primary unit unavailable reasons
- Full assignment trace
- Behavior audit (every unit, benchmark)
- Predictive data generation: initial response time, full response time, unit committed time / workload, unit miles – for every unit, every call

In a growth environment where call volume is predicted to increase, the software will provide an analysis on the best way to deploy future resources.

### **FISCAL IMPACT**

There are sufficient funds within the current fiscal year budget for the purchase.

### **RECOMMENDATION**

It is recommended the Board approve a Software License Agreement and Support Agreement for CODE3SIMULATOR software.

### **POSSIBLE MOTION**

Should the Board agree with staff's recommendation a possible motion could be:

*"I move to approve a Software License Agreement and Support Agreement for CODE3SIMULATOR software."*

**PROPOSAL FOR PROVISION OF CODE3SIMULATOR  
SOFTWARE AND ASSOCIATED SERVICES**

Date: 18 January 2017

Customer: Truckee Meadows Fire Protection District  
1001 East Ninth Street, Second Floor  
Reno, NV 89520  
Attn: Fire Chief Charles Moore

C3Sym, Incorporated ("C3Sym") proposes to furnish Customer with goods and services as set forth in the Schedule below. By their signatures below, the respective representatives of Customer and C3Sym indicate their agreement to the terms of this Proposal, which shall remain valid for sixty days after the date of C3Sym's signature, or until superseded by the execution of a valid Software License, valid Consulting Services agreement, a mutually agreed Amendment to this Proposal, or any combination thereof.

**SCHEDULE OF GOODS AND SERVICES**

| Item | Description   | Price                          |
|------|---|--------------------------------|
| 1    | Code3Simulator 2.7 (or later) software enterprise license, valid for simulating up to 15,000 events annually, related to the normal operations of, and for the sole use of authorized employees and agents of Customer. Enterprise license allows any authorized agent of Customer to operate Software, subject only to geography and incident volume restrictions inherent in the License terms. License price includes 3 days of training at C3Sym's premises, software installation media or download and current documentation. Software sale, installation and use is subject to a separate Software License Agreement (attached). | \$25,000.00                    |
| 2    | Code3Simulator software annual support package, entitling Customer to online technical support, periodic maintenance software releases and standard product software upgrades, as governed by the separate Software Support Agreement attached to this proposal.  | \$7,500.00                     |
| 3    | Code3Simulator user training, 24 hours, for up to six users, per Course Syllabus attached to this proposal. NOTE 1: direct expenses without markup are charged for training delivered at location of Customer's choice.   | Direct expenses per<br>NOTE 1. |
| 4    | Data conversion services necessary to import Customer's incident, geographic and operational data, supplied according to the Data Specification attached to this proposal. Data not conforming to the Data Specification may result in additional charges.  | Not anticipated.               |
| 5    | Additional services as detailed in Attachment A to this Proposal.   | Not anticipated.               |
|      | Total of charges  | \$32,500.00                    |

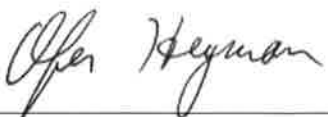
**PAYMENT TERMS:** 30% of total charges shall be due upon execution of Contract or Purchase Order arising from this Proposal; 40% of total charges shall be due at commencement of training; 30% of charges shall be due 30 days after completion of training, which shall constitute Final Acceptance of deliverables under this Proposal.

**ATTACHMENTS**

- A: Schedule of Additional Services
- B: Software License Agreement
- C: Software Support Agreement
- D: Training Syllabus
- E: Data Specification

**SIGNATURES**

The undersigned parties indicate that they are authorized to bind their respective organizations, and that they agree to the terms of this Proposal and its Attachments as of the dates of their signatures.

|  |                    |
|--|--------------------|
| For Customer   | Date               |
| <u>Charles Moore</u>   | <u>Fire Chief</u>  |
| Printed Name   | Title              |
|  | <u>18-Jan-2017</u> |
| For C3Sym  | Date               |
| <u>Ofer Heyman</u>   | <u>CEO</u>         |
| Printed Name   | Title              |



**PROPOSAL FOR PROVISION OF CODE3SIMULATOR  
SOFTWARE AND ASSOCIATED SERVICES**

Date: 18 January 2017

Customer: Truckee Meadows Fire Protection District  
1001 East Ninth Street, Second Floor  
Reno, NV 89520  
Attn: Fire Chief Charles Moore

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**SCHEDULE OF GOODS AND SERVICES**

| Item | Description   | Price                          |
|------|---|--------------------------------|
| 1    | Code3Simulator 2.7 (or later) software enterprise license, valid for simulating up to 15,000 events annually, related to the normal operations of, and for the sole use of authorized employees and agents of Customer. Enterprise license allows any authorized agent of Customer to operate Software, subject only to geography and incident volume restrictions inherent in the License terms. License price includes 3 days of training at C3Sym's premises, software installation media or download and current documentation. Software sale, installation and use is subject to a separate Software License Agreement (attached). | \$25,000.00                    |
| 2    | Code3Simulator software annual support package, entitling Customer to online technical support, periodic maintenance software releases and standard product software upgrades, as governed by the separate Software Support Agreement attached to this proposal.  | \$7,500.00                     |
| 3    | Code3Simulator user training, 24 hours, for up to six users, per Course Syllabus attached to this proposal. NOTE 1: direct expenses without markup are charged for training delivered at location of Customer's choice.   | Direct expenses per<br>NOTE 1. |
| 4    | Data conversion services necessary to import Customer's incident, geographic and operational data, supplied according to the Data Specification attached to this proposal. Data not conforming to the Data Specification may result in additional charges.  | Not anticipated.               |
| 5    | Additional services as detailed in Attachment A to this Proposal.   | Not anticipated.               |
|      | Total of charges  | \$32,500.00                    |

**PAYMENT TERMS:** 30% of total charges shall be due upon execution of Contract or Purchase Order arising from this Proposal; 40% of total charges shall be due at commencement of training; 30% of charges shall be due 30 days after completion of training, which shall constitute Final Acceptance of deliverables under this Proposal.

**ATTACHMENTS**

- A: Schedule of Additional Services
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- E: Data Specification

**SIGNATURES**

The undersigned parties indicate that they are authorized to bind their respective organizations, and that they agree to the terms of this Proposal and its Attachments as of the dates of their signatures.

For Customer \_\_\_\_\_ Date \_\_\_\_\_

Charles Moore \_\_\_\_\_ Fire Chief  
Printed Name Title

 \_\_\_\_\_  
For C3Sym 18-Jan-2017  
Date

Ofer Heyman \_\_\_\_\_ CEO  
Printed Name Title