



## MEMORANDUM

June 7, 2019

To: Board of Fire Commissioners  
Truckee Meadows Fire Protection District

Fm: Charles A. Moore, Fire Chief

Re: Fire Chief Report – June 2019 Regular Meeting

### Item #8.A.1 Operational Update with Carson City Fire Department:

The District has updated the operating plan with Carson City to include automatic aid for structure fires in each other's jurisdiction. Carson City will respond into Washoe Valley and TM will respond into Carson City for all structure fires.

### Item 8.A.2 Truckee Meadows Water Authority water line extension to Verdi

Staff met with Washoe County School District staff at the Verdi Elementary School to review hydrant placement. TMWA is extending a water main line to the school this fall. The extension will provide more fire protection water and more individual fire hydrants. I have modified the previous requirements imposed by the former Deputy Chief for access ways behind the school. The access ways have been eliminated in lieu of a 4 inch horizontal standpipe. Per the Capital Projects Manager with WCSD – this adjustment saved the School District approximately \$200,000.

### Item 8.A.3 Deployment Plan Update – Methodology Review

Heather Kerwin will discuss the study methodology for the deployment plan study. Below is our proposed outline for the study:

#### **Methodology**

Systematically review the factors listed below for the purpose of identifying gaps and search for opportunities to improve service across the entire district and propose potential solutions for increased efficiency. Each of the proposed analyses will be run at each station. The analyses will also include hypothetical cases for additional resources and the effect on the system.

1. Examine response times by station that exceeds the 2011 adopted Regional Standards of Cover recommended response times.
2. Utilize predictive mapping analytics to identify ideal station locations to ensure adequate response coverage.
3. Review special geographic areas (e.g. South Washoe Valley, I-80 east corridor/USA Parkway, North Valleys, Stead and Silver Knolls stations, Spanish Springs) to identify potential efficiencies in service delivery to citizens.
4. When problem areas are identified, an examination of responses will be conducted to determine what's driving the issue and explore possible solutions.

#### **Proposed Analyses**

1. Calls for service by REMSA priority
2. Call volume by time of day
3. Proportion of each station's jurisdiction overlay with REMSA response time zones
4. Proportion of each station's call volume occurring within the various REMSA response time zones
5. Call processing measured from PSAP time to alarm time
6. Turn out time measured from alarm time to en route time
7. Travel time measured from en route time to arrival time
8. Response performance relative to the Regional Standards of Cover
9. Simultaneous calls
10. Frequent fliers

#### **Types of Calls**

- Career fire stations only
- Fire calls
- EMS-related calls
- Automatic aid or mutual aid calls and potential impact of closest unit responses

#### **Datasets Used**

- CAD data from January 2015 through October 2018
- Fire RMS data January 2015 through October 2018
- EMS-related calls matched to REMSA July 2017 through December 2018
- Carson City data

#### **Other Considerations**

- REMSA call priority by station
- REMSA zone response requirements per station
- Commissioner districts by station
- Population density per station
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#### **Item 9.A.4 – Proposed Revisions to Open Burning**

I have met with Air Quality Management (AQM) at the Health District regarding proposed changes to open burning regulations. The proposed changes will make it easier for citizens to

burn vegetation during the time of the year when it is least likely to cause a fire problem. As the Board may recall, open burning is prohibited anywhere in the County after October 31 and opens again in March – depending upon Fire District approval. This is counter intuitive for the reason wildfire risk is the lowest when burning is prohibited. The proposed changes will allow pile burning all year and AQM will look to us for timing for pile burning based on wildfire risk and not a window of time. With the proposed revisions, we will be able to allow open burning during green burn codes during the winter.

Item #9.B Incident Summaries:

I have moved all incident tabulations into the Monthly Report – including those for mutual and automatic aid. The enhanced aid summary between TM and City of Sparks is broken out separately for the reason that these responses are not defined as mutual or automatic aid by the National Fire Incident Reporting System (NFIRS). The United States Fire Administration provides guidance on mutual aid definitions in the NFIRS Reference Guide. The definitions can be confusing.

NFIRS defines mutual or automatic aid (given or received) to be when both agencies operate at the same incident. Under the enhanced automatic aid (EA) agreement with the City of Sparks, the closest resource to the call responds and documents the incident – even though the location may be in another jurisdiction. In order to track these “EA” calls per the Board’s request, they are broken out and reported separately.

# Verdi Elementary To Hook Up to TMWA Water

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Verdi Elementary School's water well, which is being treated for high arsenic levels, will no longer be necessary when the school gets connected to the Truckee Meadows Water Authority's system.

The state Division of Environmental Protection today announced up to \$500,000 from a revolving loan fund for the hookup.

"The [school district] wants to extend a TMWA water main to the [school] and abandon the existing well and arsenic treatment system," according to a state report. "The project will have a beneficial effect by ensuring the school receives water that is safe to drink."

The state said that construction is expected to be finished by year's end, and comments may be submitted by the public to NDEP.

"The project is listed on Nevada's Year 2020 Drinking Water Priority List," said Dominique Etchegoyhen, deputy director for the Nevada Department of Conservation and Natural Resources. "No wetlands, floodplains, agricultural lands, or significant fish or wildlife species or habitats are affected by the project."