



Moraga-Orinda Fire District

Board of Directors

REGULAR MEETING

February 21, 2018

6:00 p.m. CLOSED SESSION

7:00 p.m. OPEN SESSION

PLEASE NOTE NEW MEETING ADDRESS:

Hacienda Mosaic Room

2100 Donald Drive

Moraga, CA 94556

1. OPENING CEREMONIES
 - 1.1. Call the Meeting to Order
 - 1.2. Roll Call
2. PUBLIC COMMENT

The public is invited to speak on any Closed Session item below. Comments should be limited to three minutes. Please state your name and address for the record.
3. CLOSED SESSION
 - 3.1. **Conference with Labor Negotiator**
(Government Code Section 54957.6)
Agency Designated Representative: Jeff Sloan
Employee Organization: Local 1230, International Association of Firefighters IAFF
 - 3.2. **Conference with Labor Negotiator**
(Government Code Section 54957.6)
Agency Designated Representative: Jeff Sloan
Employee Organization: Local 2700 United Clerical, Technical & Specialized Employees
 - 3.3. **Conference with Labor Negotiator**
(Government Code Section 54957.6)
Agency Designated Representative: Jeff Sloan
Employee Organization: Moraga-Orinda Fire Chief Officers Association (MOFCOA)
4. RECONVENE THE MEETING
 - 4.1. Call the Meeting to Order
 - 4.2. Pledge of Allegiance
5. REPORT OF CLOSED SESSION ACTION
6. PUBLIC COMMENT

The public is invited to speak on any matter not appearing on the agenda, and within the subject matter jurisdiction of the District. Comments should be limited to three minutes. Please state your name and address for the record.
7. CONSENT AGENDA
 - 7.1. **Meeting Minutes – February 7, 2017**
Staff Recommendation: Approve and File
 - 7.2. **Monthly Incident Report for January 2017**
Staff Recommendation: Approve and File
8. REGULAR AGENDA
 - 8.1. **North Orinda Fire Flow Report**
Staff will present information to the Board regarding the North Orinda Fire Flow Report.
Staff Recommendation: 1) Discuss; 2) Deliberate; 3) No action required
 - 8.2. **Review of Apparatus and Equipment**
Staff will present information to the Board regarding apparatus and equipment.
Staff Recommendation: 1) Discuss; 2) Deliberate; 3) No action required
 - 8.3. **Fee Waiver Policy**
Staff will present information to the Board regarding the Draft Fee Waiver Policy.
Staff Recommendation: 1) Discuss; 2) Deliberate; 3) Provide Direction to Staff

9. COMMITTEE REPORTS

- 9.1. **Finance Committee (Directors Anderson and Jorgens)**
- 9.2. **Pension Review Ad Hoc Committee (Directors Barber and Jorgens)**
- 9.3. **Board of Directors and Fire Chief Roles & Responsibilities and Rules of Procedures Update Ad Hoc Committee (Directors Famulener and Jorgens)**
- 9.4. **Audit Ad Hoc Committee (Director Jex)**
- 9.5. **Long Range Financial Plan Ad Hoc Committee (Directors Barber and Jex)**
- 9.6. **Labor Negotiations Ad Hoc Committee (Directors Anderson and Jorgens)**

10. ANNOUNCEMENTS

- 10.1. **Brief information only reports related to meetings attended by a Director at District expense**
(Government Code Section 53232.3(d))
- 10.2. **Questions and informational comments from Board members and Staff**
- 10.3. **Fire Chief Updates – January 2018**
 - 10.3.1. **December Strike Team Deployment Presentation by Captain Jon Bensley**
- 10.4. **Communications Received**
- 10.5. **Future Agenda Items**

11. ADJOURNMENT

The Moraga-Orinda Fire Protection District ("District"), in complying with the Americans with Disabilities Act ("ADA"), requests individuals who require special accommodations to access, attend and/or participate in District Board meetings due to a disability, to please contact the District Chief's office, (925) 258-4599, at least one business day prior to the scheduled District Board meeting to ensure that we may assist you.

Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the Moraga-Orinda Fire District to a majority of members of the Board of Directors less than 72 hours prior to that meeting are available for public inspections at 1280 Moraga Way, Moraga, during normal business hours.

I hereby certify that this agenda in its entirety was posted on February 16, 2018, at the Moraga and Orinda Fire Administration offices, Stations 41, 42, 43, 44, and 45. Agenda provided to the Moraga Town Office (Hacienda) and Orinda City Hall.



Grace Santos, District Clerk

Moraga-Orinda Fire Protection District

BOARD OF DIRECTORS REGULAR BOARD MEETING MINUTES

February 7, 2018



1. Opening Ceremonies

The Board of Directors convened in Open Session at 6:00 P.M. on February 7, 2018 at the Sarge Littlehale Room, Orinda, California. President Barber called the meeting to order. Director Jorgens was absent. Present were the following Directors and Staff:

President Barber	Director Jex	Jeff Sloan, Labor Negotiator
Director Anderson	Dave Winnacker, Fire Chief	Jonathan Holtzman, District Counsel
Director Famulener	Gloriann Sasser, Admin Services Director	Christine Russell, HR Manager

2. Public Comment

There was no comment from the public.

3. Closed Session

At 6:00 P.M., the Board adjourned into Closed Session.

4. Reconvene the Meeting

President Barber reconvened the regular business meeting of the Moraga-Orinda Fire District Board of Directors at 7:09 P.M. Director Jorgens was absent. Present were the following Directors and Staff:

President Barber	Director Jex	Jonathan Holtzman, District Counsel
Director Anderson	Dave Winnacker, Fire Chief	Christine Russell, HR Manager
Director Famulener	Gloriann Sasser, Admin Services Director	

5. Report of Closed Session Action

President Barber reported that there was no reportable action taken on items 3.1 Conference with Labor Negotiator (Local 1230), 3.2 Conference with Labor Negotiator (Local 2700), and 3.3 Conference with Labor Negotiator (MOFCOA).

6. Public Comment

There was no comment from the public.

7. Consent Agenda

Motion by Director Famulener and seconded by Director Jex to approve and file items 7.1 Meeting Minutes, 7.2 Quarterly Treasurer's Report, 7.3 Quarterly Ambulance Billing Report, and 7.4 Budget Timeline. Said motion carried a 3-0 roll-call vote (Ayes: Barber, Famulener and Jex; Abstain: Anderson; Absent: Jorgens).

8. Regular Agenda

8.1 Amendment to Lease Agreement with St. Stephen's Episcopal Church

President Barber recused himself because of a relationship he has with St. Stephen's Church. He left the room.

In April 2016, MOFD entered into a lease with St Stephen's Episcopal Church to house temporary Fire Station 43 in the upper tier of their parking lot. While the lease remains in force for the duration of the station construction, it also referenced an anticipated construction timeline of 12-24 months and limited MOFD use to the North West portions of the parking lot. As a result of delays in construction of the replacement fire station, MOFD will continue to occupy the space through 2019 and has used, and may continue to use, additional areas of the upper tier of the parking lot. In December 2017, St Stephens contacted MOFD expressing their interest in re-negotiating portions of the contract. The attached proposed amendment includes an increase in rent to \$2,000 per month for use of the entire upper tier and states that the contract will be renegotiated if MOFD continues to occupy the space as of April 2019.

Motion by Director Anderson and seconded by Director Famulener to approve the Amendment to the lease agreement with St. Stephen's Episcopal Church. Said motion carried a 3-0 roll-call vote (Ayes: Anderson, Famulener and Jex; Absent: Director Jorgens).

President Barber rejoined the meeting.

8.2 Construction Administration Authorization

MOFD retained Shaw Kawasaki Architects (SKA) to design the replacement facility for Station 43. During the period from November 17, 2015 to January 17, 2018 SKA completed and billed various changes to the design and construction administration functions. This work was billed but portions were not paid pending clarification of several questions posed by the board. After meeting with SKA, the outstanding amount was reduced by approximately \$37,000 for previously billed work with inclusion of language clarifying that this payment will settle all outstanding SKA invoices.

During the period that FSG was anticipated to construct Fire Station 43, the board approved a quote from SKA for \$79,000 for construction management. With various changes to the project, the need to update inputs from consultants, and the pending decision to award the contract to a new construction company, SKA's construction administration quote has been resubmitted for \$99,000.

Director Anderson asked if they could charge MOFD if the project goes longer than the May 31, 2019 completion date. Chief Winnacker stated that SKA would be hesitant to sign an open-ended agreement. The timeline anticipated gives a buffer for normal and minor unanticipated changes, but does not reflect an understanding that SKA would continue under this contract if the District were to re-bid to someone else and the project were to go extensively over the current timeline.

Director Anderson asked if, by authorizing this, the District would be losing its rights to any legal actions against the architect. Chief Winnacker stated that Geoff Spellberg, who was involved with negotiations regarding the previous work, recommended moving forward. Some of the work that was billed, which is now being forgiven, was authorized either by the District or the District's representative. His recommendation was that MOFD is getting a good deal.

Motion by Director Famulener and seconded by Director Jex to authorize SKA construction administration quote for \$99,000. Said motion carried a 3-1 roll-call vote (Ayes: Barber, Famulener and Jex; Noes: Anderson; Absent: Jorgens).

8.3 Update Regarding Stipend In-Lieu of Medical Benefits Program

In late 2016, the District's outside tax counsel determined that allowing employees to receive deferred compensation in-lieu of District health benefits conflicts with IRS rules and seriously endangers the tax-exempt status of health benefits provided to all employees. To avoid that significant risk, the District had to stop making in-lieu payments to deferred compensation. The District has been meeting with Local 1230 since late 2016 regarding this issue, but its attempts to resolve it have been unsuccessful.

Vince Wells, President of Local 1230, stated that they are disappointed that the document was included in the packet and made available to the public. The fact-finding process is part of the negotiations and bargaining process. They are disappointed and feel that it was unfair of the District to publish the comments and statements previous to the release of the information from the fact-finder.

President Barber asked ASD Sasser why this information was included in the packet, if it was simply an update for the Board. ASD Sasser stated that was correct.

Mark DeWeese, MOFD Firefighter, asked the Board to keep an open mind to whatever solutions the fact-finder comes up with and that they continue to collaborate with Local 1230.

Director Famulener stated that she agrees with President Wells and Firefighter DeWeese that this information should have been kept in closed session during the fact-finding process. She appreciates the updates, but hopes that any future updates are presented by the attorney during closed session.

President Barber agreed with Director Famulener and stated that the Board is not being asked to take action on this item at this time. More information will be provided in closed session until the issue is resolved and then will be made available to the public.

8.4 Approval of Side Letter of Agreement Between Moraga-Orinda Fire District and Moraga-Orinda Fire Chief Officers Association

In 2016 MOFD held a battalion chief's examination with (2) internal applicants. Both applicants failed to meet the minimum passing score for portions of the examination and a promotional list was not formed. While forecasting retirements and separations requires assumptions and is an imperfect science, there is a possibility of up to (2) battalion chief openings during the (24) month period that a promotional list will be in effect.

The Moraga-Orinda Fire Chief Officers Association (MOFCOA) Memorandum of Understanding directs that after July 2, 2014, an associate's degree or higher is required to apply for and hold the position of battalion chief. It further states that battalion chiefs promoted prior to this date will be limited to Step 1 of the salary scale until they hold a degree. Staff recommended reverting to the pre July 2, 2014 educational requirements to increase the competitiveness of the examination.

In order to increase the size of the participating population, the attached side letter is submitted for the board's consideration as a one-time measure. Staff has met and conferred with the MOFCOA on this topic without objection.

Director Famulener stated that MOFD has highly qualified individuals for the Battalion Chief position and the District should not lower its standards by reverting the educational requirements. She asked Local 1230 President Vince Wells for his comments. Mr. Wells stated that they met with Chief Winnacker and they all agreed to the amendments and changes. There are qualified Captains who meet the experience and can do the Battalion Chief position, but do not meet the minimum educational requirements. They support the Chief and MOFCOA's decision to make the change.

President Barber asked if there is a standard practice among fire departments on this subject. Chief Winnacker stated that it varies, but the universal concept, with the exception of a few large agencies, is to adopt the state curriculum for Chief Officers certification. MOFD also requires several additional classes specific to wildland. MOFD has a number of talented people and this is intended to pool more people into the process so the District can get the best results possible. He agreed that education is very important, however given the wide range of degrees that would qualify under the current requirement and the time that may have elapsed since that degree was obtained, he is comfortable that the written test can be structured in a way that the District can test for the same function through a written exercise and the candidate's ability to both comprehend and express themselves in a written form. Chief Winnacker stated that allowing us to tap into the potential of our internal talent pool is beneficial and outweighs some of what we lose for eliminating this requirement of the associate's degree this one time.

Director Anderson commented that he would defer to Chief Winnacker, and trusts his best judgement. He asked Local 1230 President Wells if there were other Battalion Chiefs throughout Contra Costa County who lacked an associate's degree. Mr. Wells replied that Contra Costa County Fire Protection District just had a Battalion Chief test and their requirement was four years of experience as a Captain. He added that experience far outweighs the benefits of an associate's degree.

President Barber stated that in this case it seems warranted. A credential by itself is often not sufficient grounds to make a decision on this. He also supports the idea of giving people an incentive to further their education so if this will solve the problem, he would be supportive of it.

Director Anderson stated that there is a grammatical error in the side letter. Associates degree should include an apostrophe and updated to reflect "associate's".

Motion by Director Anderson and seconded by Director Jex to approve the modified educational requirements for the Battalion Chief position. Said motion carried a unanimous 4-0 roll-call vote (Ayes: Anderson, Barber, Famulener and Jex; Absent: Jorgens).

9. Committee Reports

9.1 Finance Committee (Directors Anderson and Jorgens)

Director Anderson reported that the Finance Committee met and they had some discussions with ASD Sasser regarding the Long Range Financial Forecast.

9.2 Pension Review Ad Hoc Committee (Directors Barber and Jorgens)

The Committee has not met.

9.3 Board of Directors and Fire Chief Roles & Responsibilities and Rules of Procedures Update Ad Hoc Committee (Directors Famulener and Jorgens)

The Committee has not met.

9.4 Audit Ad Hoc Committee (Director Jex)

The Committee has not met.

9.5 Long Range Financial Plan Ad Hoc Committee (Directors Barber and Jex)

The Committee has not met.

9.6 Labor Negotiations Ad Hoc Committee (Directors Anderson and Jorgens)

Director Anderson reported that the committee met several times with legal staff.

10. Announcements

10.1 Brief information only reports related to meetings attended by a Director at District expense

There was nothing to report.

10.2 Questions and informational comments from Board members and Staff

ASD Sasser introduced the District's new Human Resources Benefits Manager Christine Russell. She worked for the City of Novato for 11 years.

10.3 Communications Received

Chief Winnacker stated that the District continues to receive a steady stream of letters and cards thanking our firefighters for their efforts in both the North Bay/Napa and Santa Barbara.

10.4 Future Agenda Items

Director Famulener stated that the Board Officers issue needs to be settled and ASD Sasser will look into it. President Barber directed staff to put the item on the agenda for a future meeting.

11. Adjournment

At 7:31 P.M., President Barber called for adjournment of the regular meeting.



Grace Santos
Secretary to the Board

MOFD Response Time Summary by Incident Type (grouped) for All Code 2 and Code 3 Responses.

Will only show Incident Types that are applicable. EMS/Rescue - Structure Fires (actual type is in structure) - Vegetation Fires - Other Types Grouped (Alarms/Hazards/Pub Svc/Etc) Data Based On Completed RMS Incident Report Data entered by Company Officer - Not based on Raw CAD Data...

	<i>January, 2018</i>				<i>Totals</i>
	All Others (Alarms / Pub Service / Etc.)	EMS / Rescue	Structure Fires	Vehicle Accidents	
Incident Totals	111	194	2	18	325
Median Turnout	1.72	1.53	0.83	1.65	1.58
Median Resp Time	6.18	5.82	4.58	6.96	5.95
Resp Time (90th%)	8.91	10.74	9.28	9.87	9.93

Code 3 Response Time Summary by City and Incident Type. Times shown are based on the First Responding Units Arrival at Scene of Emergency.

		<i>January, 2018</i>			
		Incident Totals	Median Turnout	Median Resp Time	Resp Time (90th%)
Orinda	EMS / Rescue	84	1.36	4.97	8.13
	All Other Types	18	1.48	4.87	7.30
	Totals for City	102	1.39	4.97	7.92
Moraga	EMS / Rescue	70	1.53	4.10	6.73
	Structure Fires	1	0.10	3.37	3.37
	All Other Types	12	1.90	5.94	6.68
	Totals for City	83	1.55	4.38	6.72
Lafayette	EMS / Rescue	11	1.72	6.98	10.08
	Structure Fires	1	1.97	9.28	9.28
	All Other Types	4	1.38	7.20	7.23
	Totals for City	16	1.72	7.20	10.00
Overall Total		204	1.52	4.70	7.82

Response Totals By Incident Type

	Feb 17	Mar 17	Apr 17	May 17	Jun 17	Jul 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Total
All Others (Alarms / Pub Service / Etc.)	93	124	86	105	110	128	135	129	147	118	101	111	1,387
EMS / Rescue	142	172	165	176	164	170	170	168	175	161	187	194	2,044
Structure Fires	1	2		4	4	5	3	2	4		1	2	28
Veg Fires					4	6	3		2		2		17
Vehicle Accidents	18	13	14	9	23	9	11	14	20	14	13	18	176
Grand Total	254	311	265	294	305	318	322	313	348	293	304	325	3,652

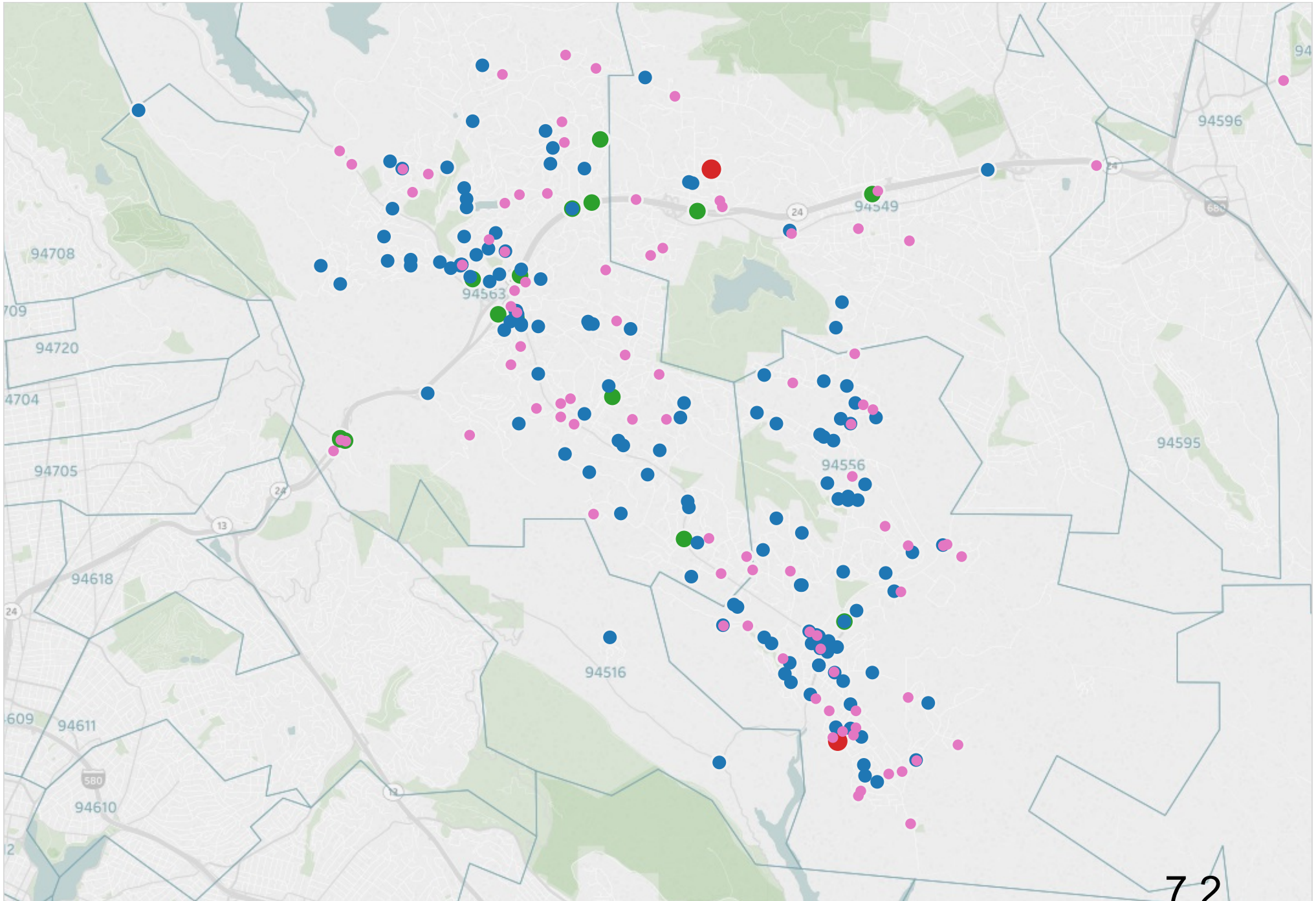
Incident Types

■ All Others (Alarms / Pub Service / Etc.) ■ EMS / Rescue

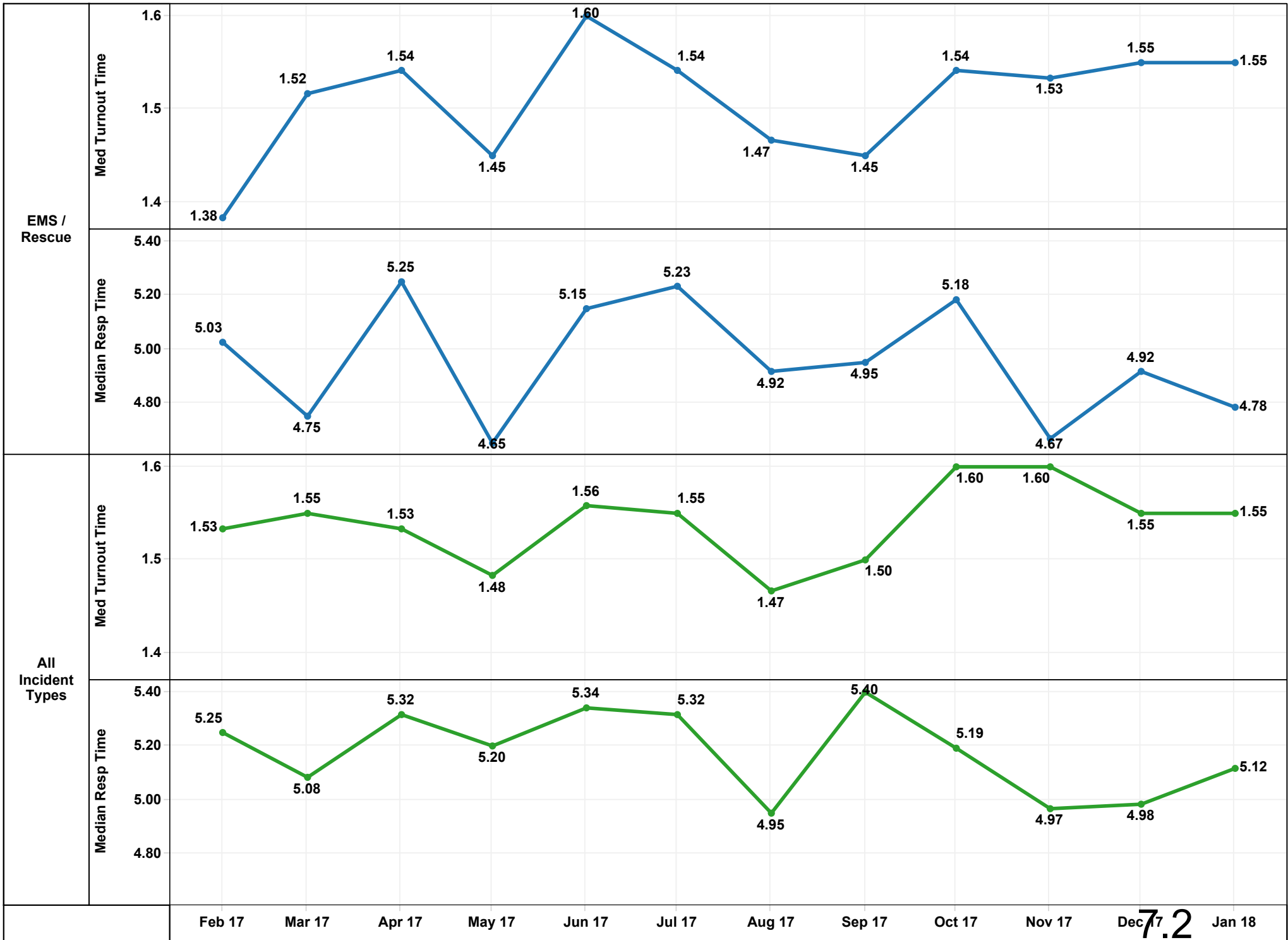
■ Vehicle Accidents

■ Structure Fires

Incident Location Map for MOFD January 2018



Run Chart for MOFD EMS / Rescue and All Incident Types for the last full 12 months. Median Turnout and Response Times By Month for First At Scene Units





Moraga-Orinda Fire District

TO: Board of Directors
FROM: Dave Winnacker, Fire Chief
DATE: February 21, 2018
SUBJECT: Item 8.1 – North Orinda Fire Flow Report

BACKGROUND

In January 2018, the board directed staff to review the status of North Orinda Fire Flow issues and deliver a report at the regular board meeting on 21 February. In accordance with this direction, staff conducted research regarding the history of the fire flow issue, met with EBMUD representatives, and developed a proposed action plan to field actionable and cost effective measures to mitigate the known problem of fire flows in North Orinda.

HISTORY

North Orinda was originally developed as a community from 1921-1928 by Edward deLaveaga with three water systems owned collectively by home buyers. In 1932, these systems were sold for \$1 to the Orinda County Water District which purchased water from EBMUD. This district existed until 1952 when residents began purchasing water directly from EBMUD. As the area was built out, additional pipe was laid with large sections being installed in 1934 (126,000') and additional work continuing through 1958 (17,000'). During this time, the general standard required 4" pipe along thoroughfares with 6" pipe at intersections. As of 2001, it is estimated that 75% of the original pipe was still in service. All information above is drawn from the 2001 Orinda Fire Flow Study and Consensus.

In 1997 a Fire Reconnaissance Study was conducted which recommended significant improvements to the existing water infrastructure. This was followed in 2001 with more extensive Fire Flow Calculations. These studies came to the conclusion that approximately \$50 million was required to update the system to provide 1000 GPM from all hydrants and 2250 GPM from 3 adjoining hydrants for 2 hours.

Following these studies, three funding measures were proposed (Measure N in 2002, Measure Q in 2006, and Measure E in 2007) and received more than 60% of the vote, but failed to achieve a super-majority.

EBMUD Policy 3.03 Community Fire Flow Improvement Program identifies EBMUD's commitment to maintaining designed capacity for pipelines and assumes 500 gpm unless documentation is available attesting to higher designed flow. EBMUD is committed to installing new pipe of sufficient diameter to meet modern fire flow standards, but will not undertake system modifications solely to improve fire flow without partnering agencies.

CURRENT EFFORTS

Given the prohibitive cost of replacing the existing water distribution system, MOFD has developed a comprehensive plan to maximize use of the current system while leading coordinated efforts to reduce the risk of wildfire to the area. The information below is provided with the caveat that **the district continues to support efforts to improve the fire flow in North Orinda** and that these initiatives are designed to complement future improvements to the water distribution system.

Water Supply

1. **Repair and Replacement of Existing Pipes**
Staff met with EBMUD representatives to better understand the repair and replacement program and to ensure it followed the requirements of EBMUD Policy 3.03. Attachment A and B show pipe replaced since the original studies were conducted. Of note, all new pipe is 6" or larger with a total of 26 miles (includes Wilder Ranch and other new development) being installed since 1998.
2. **Field Conditions Fire Flow Validation and Modeling Update**
The inadequate hydrant lists developed between 1995 and 2001 are based on EBMUD models accounting for worst case scenarios with low reservoir levels and high demand. Field testing has shown higher flows under real world conditions with some hydrants flowing at up to 3 times the modeled gpm. After 2006, MOFD no longer entered testing data into EBMUD's database and the flow models have not been updated since the early 2000s. To provide current data, MOFD members have begun conducting flow tests of low gpm hydrants. This testing regime is being completed in compliance with EBMUD's testing protocol and they have agreed to run their models with this new data.
3. **Reliable Water Supply Sources**
Water distribution systems are complex and difficult to understand without the resources and experience of EBMUD representatives on scene. Accepting that in the event of a major fire event, these representatives will not be reliably available during the early hours of the incident, MOFD is working to identify and mark hydrants that are, as a result of their location and proximity to reservoirs, most likely to provide reliable water sources under the worst conditions.
4. **Supplemental Water Sources**
Having identified gaps in the water supply system, MOFD will work with stakeholders to field supplemental water sources in critical locations. This project is still in the conceptual phase, but will include pre-positioning small, inexpensive pumps at key locations with existing water supplies (pools, ponds, water features) and the installation of above ground tanks with approved fittings. A similar program is currently underway in the District's southern region with the installation of signage and compatible fittings on privately maintained water tanks in Canyon and Bollinger Canyon and has yielded favorable results at a very low price point. Working with EBMUD, additional existing water supply locations have been identified along Bear Creek Road and Briones Reservoir and are being added to CAD and signed to ease identification in an emergency environment.

Wildland Fire Mitigation – Fuels Reduction

1. Outreach was conducted with surrounding agencies with fuels mitigation responsibilities to determine the extent of their programs and to ensure efforts are coordinated. The end result will be a complex obstacle belt along the northern approaches of Orinda that will

slow fires spreading from the Bear Creek/Briones area to allow time for the aggregation of an effective fire fighting force from surrounding agencies. Further outreach is being conducted with HOAs and neighborhood groups to encourage best practice landscaping and home ignition zone fuels reduction.

2. EBMUD owns the majority of open space adjacent to the Northern border of Orinda. As identified in the EBMUD Watershed Fire Management Plan and the Fire Response Plan, EBMUD has a detailed plan to reduce the risk to the areas surrounding their lands. MOFD staff is integrating our fuels mitigation efforts with the Orinda Watershed manager to ensure the efforts are complimentary and reinforcing.
3. PG&E owns several large parcels in the North Orinda area and has power transmission line easements along Bear Creek. As with EBMUD, MOFD staff has engaged the vegetation program manager to ensure both agencies' efforts are reinforcing and complimentary. PG&E also conducts extensive right of way clearing along distribution lines within the neighborhoods of North Orinda. Staff is incorporating explanations of the purpose and value of these programs when addressing neighborhood groups in an attempt to increase support for right of way clearing operations.
4. County Roads is responsible for maintaining the shoulder of Bear Creek road and MOFD staff is engaging the program manager to ensure this work is completed in a timely manner to reduce the risk of a fire start spreading beyond or jumping the roadway.
5. Neighborhood groups and HOAs control significant sections of open space in North Orinda. MOFD staff, in partnership with the Diablo FireSafe Council, is assisting these groups as they apply for grant funds to support fuels mitigation measures. With MOFD support and coordination, some these groups are using CalFire Delta hand crews to carry out fuels mitigation measures. To reduce the cost of these crews, MOFD has purchased a trailered porta-potty and is researching purchasing a chipper. MOFD is also encouraging HOAs and neighborhood associations to pursue or re-apply for FireWise Community status as a mechanism to both adopt best practices and address potential insurance company concerns.

Response Plan

1. MOFD recognizes that the potential exists for fire conditions that will exceed our fuels mitigation efforts. To address this potential, MOFD will continue its long-standing participation in the State Mutual Aid System for both engine companies and overhead assignments. The experience gained on large real world incidents will be invaluable when a major event occurs in the district and will reduce the confusion inherent to fast moving emergency operations at scale. This includes suppression and staff members who participate in the East Bay Incident Management Team to reduce organizational barriers in the event this team is activated to support MOFD operations.
2. Staff is developing a pre-plan for the large-scale deployment of regional resources throughout North Orinda to include identifying critical infrastructure (schools, evacuation routes etc) and making provisions for water shuttle operations from areas with known reliable water sources. Of note, the tactics used during the recent North Bay fires did not call for fixing fire apparatus at a hydrant and engaging fires with master streams and the

overarching theme of the MOFD plan will utilize the mobility inherent to fire apparatus to ensure efficient utilization of available resources.

3. Staff is evaluating the current MOFD fleet to determine if it is right sized for the threats we face. Areas for further study and board direction include fielding Type VI apparatus for increased access and mobility in the steep terrain that defines the North Orinda area.
4. Notification and Evacuation plans are in place with Orinda Police Department, and MOFD continues to engage with law enforcement partners to ensure notifications are coordinated with both conditions and response. These plans have recently been updated and allow for selective notifications of at risk areas by units in the field. Critical challenges remain due to the semi-rural nature of the area and the limited routes for emergency responder access also being used for egress of residents.

RECOMMENDATION

- 1) Discuss; 2) Deliberate; 3) No action required

ATTACHMENT

- 1) Attachment A – EBMUD Pipeline Replacement List
- 2) Attachment B – EBMUD Pipeline Replacement Map

Attachment A

Table 1. Completed & Planned Pipeline Replacement Projects located within the City of Orinda
(Sorted by 1999 Engineering Study then by Year and Project Limit)

In 1999 Engineering Study	Project Limit	Length (ft)	Diameter (in)	Status	Year
Yes	Acacia Drive	1,646	8	Completed	1998
Yes	Brookwood Road	3,592	8 & 12	Completed	1998
Yes	Hacienda Circle	1,543	8	Completed	1998
Yes	Loma Vista Drive	3,026	8	Completed	1998
Yes	Oakwood Rd	212	6	Completed	1998
Yes	La Noria	785	8	Completed	1999
Yes	Tahos Road	1,123	12	Completed	1999
Yes	El Sereno	58	6	Completed	2000
Yes	Camino Don Miguel	2,402	8	Completed	2001
Yes	R/W 4413 (Sunrise Hill Rd or Oak Rd EVA)	258	12	Completed	2004
Yes	Snowberry Ct	648	8	Completed	2004
Yes	Charles Hill Rd	354	6	Completed	2005
Yes	Bryant Way	518	12	Completed	2006
Yes	Northwood Dr	62	8	Completed	2006
Yes	Oakwood Rd	82	8	Completed	2007
Yes	Orchard Rd	2,699	6	Completed	2007
Yes	Orchard Rd	796	12	Completed	2007
Yes	Orchard Rd	37	6	Completed	2007
Yes	Orchard Rd	207	8	Completed	2007
Yes	Spring Rd	668	8	Completed	2007
Yes	Saint Hill Rd	36	6	Completed	2008
Yes	Sleepy Hollow Ln	895	8	Completed	2008
Yes	Crest View Dr	867	8	Completed	2009
Yes	La Senda	437	5	Completed	2010
Yes	Scenic Dr	342	6	Completed	2011
Yes	Charles Hill Way	1,224	12	Completed	2014
Yes	Sleepy Hollow Ln	242	8	Completed	2014
Yes	Sleepy Hollow Ln	2,297	4	Completed	2014
Yes	Amber Valley Dr	1,033	6	Completed	2016
Yes	St James Ct	784	6	Completed	2017
Yes	200 Canon Dr to end	1,111	8	Planned	2018
Yes	259 El Toyonal to Westside Reservoir	167	12	Planned	2020
Yes	Hall Cluster (Hall Dr, Woodland Rd, La Cresta Rd)	5,149	8, 12, & 16	Planned	2020
Yes	Dos Osos Reservoirs to private roadway Los Norrabos	686	12	Planned	2023-2024
No	Donald Dr	911	8	Completed	1999
No	Harran Cir	258	8	Completed	1999
No	Hillcrest Dr	1,608	8	Completed	1999
No	Moraga Ct	209	6	Completed	1999
No	Moraga Way	1,431	12	Completed	1999
No	Mulholland Reservoirs to Donald Dr	60	8	Completed	1999
No	Vianne Ct	233	8	Completed	1999
No	Alice Ct	378	8	Completed	2000
No	El Pulgar	365	8	Completed	2000
No	La Espiral Rd	499	8	Completed	2000
No	La Espiral Rd	86	8	Completed	2000
No	Los Dedos Rd	1,032	8	Completed	2000
No	Southwood Ct	308	8	Completed	2000
No	Barbara Rd	196	8	Completed	2001
No	Estates Ct	304	8	Completed	2001
No	Holly Ln	163	12	Completed	2001
No	Kinckerbocker Ln	148	12	Completed	2001
No	Lloyd Ln	283	8	Completed	2001
No	Meadow Ct	339	8	Completed	2001
No	Meadow Ln	1,361	8	Completed	2001
No	Northwood Ct	229	8	Completed	2001
No	Northwood Dr	841	8	Completed	2001
No	Oak Ct	258	6	Completed	2001
No	Oak Rd	3,260	8	Completed	2001
No	Richard Ct	301	8	Completed	2001
No	California Ave	670	8	Completed	2002

Attachment A

Table 1. Completed & Planned Pipeline Replacement Projects located within the City of Orinda
(Sorted by 1999 Engineering Study then by Year and Project Limit)

In 1999 Engineering Study	Project Limit	Length (ft)	Diameter (in)	Status	Year
No	Claremont Ave	624	8	Completed	2002
No	Great Oaks Cir	143	8	Completed	2002
No	Kittiwake Rd	469	8	Completed	2002
No	Sunrise Hill Rd	97	8	Completed	2002
No	Van Ripper Ln	39	8	Completed	2002
No	Sandy Ct	216	6	Completed	2004
No	Sunrise Hill Ct	20	8	Completed	2004
No	Sunrise Hill Rd	333	8	Completed	2004
No	Brookside Rd	488	8	Completed	2005
No	El Toyonal	427	8	Completed	2005
No	Valley View Dr	838	8	Completed	2005
No	Altarinda Cir	247	8	Completed	2006
No	Ardor Dr	1,223	8	Completed	2006
No	Camino Encinas	99	8	Completed	2006
No	Camino Sobrante	78	6	Completed	2006
No	Crestview Dr	765	8	Completed	2006
No	Daisy Ln	17	8	Completed	2006
No	Estates Dr	328	8	Completed	2006
No	Holly Ln	165	8	Completed	2006
No	La Sombra Ct	12	8	Completed	2006
No	Loma Linda Ct	28	8	Completed	2006
No	Moraga Way	1,230	8	Completed	2006
No	Soule Rd	365	8	Completed	2006
No	Tappan Ln	14	8	Completed	2006
No	Baseline PP	221	12	Completed	2007
No	Baseline PP	61	16	Completed	2007
No	E. Altarinda Dr	1,194	8	Completed	2007
No	Ellen Ct	50	8	Completed	2007
No	Existing PP Discharge	6	6	Completed	2007
No	Glorieta Blvd	181	16	Completed	2007
No	Glorietta Blvd	3,131	12	Completed	2007
No	Glorietta Blvd	46	8	Completed	2007
No	Laguna Reservoirs	138	8	Completed	2007
No	Las Cascadas Rd	554	8	Completed	2007
No	Moraga Via	37	8	Completed	2007
No	Moraga Way	73	12	Completed	2007
No	Virginia Dr	39	8	Completed	2007
No	Moraga Way	1,071	8	Completed	2008
No	Club Rd	938	12	Completed	2009
No	Miner Rd	802	16	Completed	2009
No	Miner Rd	779	8	Completed	2009
No	R/W 2432	14	6	Completed	2009
No	Rheem Blvd	701	12	Completed	2009
No	Tappan Way	216	8	Completed	2009
No	Wilder Rd	52	8	Completed	2009
No	Big Leaf Rd	2,559	8	Completed	2010
No	Big Leaf Rd	1,328	12	Completed	2010
No	Big Leaf Rd	222	8	Completed	2010
No	Big Leaf Rd	1,401	8	Completed	2010
No	Boeger Ranch Rd	560	12	Completed	2010
No	Brookside Rd	1499	12	Completed	2010
No	Fiddleneck Way	30	12	Completed	2010
No	Frogs Leap Way	498	8	Completed	2010
No	Frogs Leap Way	147	6	Completed	2010
No	Parkway Ct	239	6	Completed	2010
No	Quarry Hill Rd	526	12	Completed	2010
No	Quarry House Rd	636	12	Completed	2010
No	Quarry House Rd	569	6	Completed	2010
No	R/W 4413	309	12	Completed	2010
No	R/W N/E of Wilder Rd (Wilder Dev)	17	8	Completed	2010

Attachment A

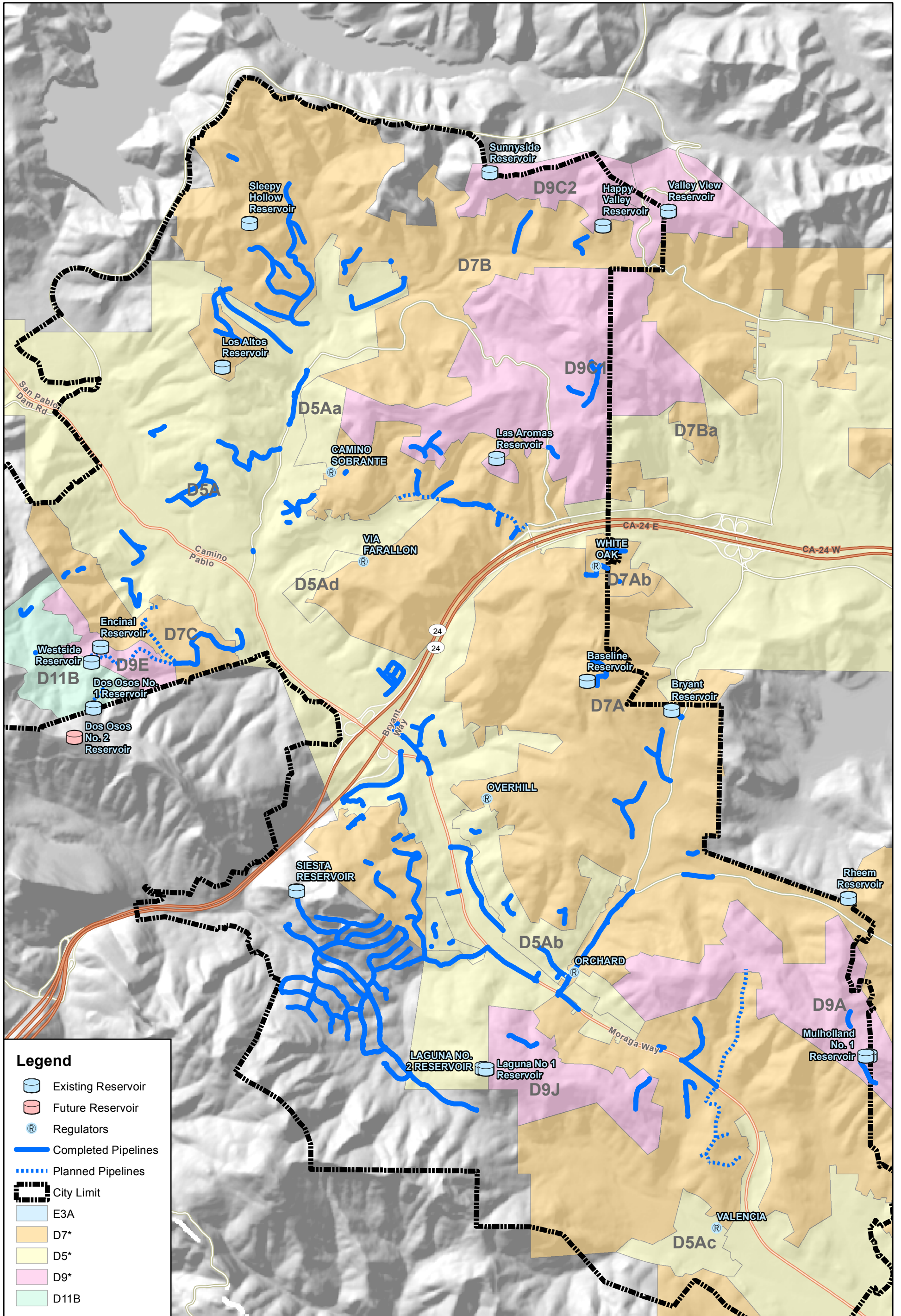
Table 1. Completed & Planned Pipeline Replacement Projects located within the City of Orinda
(Sorted by 1999 Engineering Study then by Year and Project Limit)

In 1999 Engineering Study	Project Limit	Length (ft)	Diameter (in)	Status	Year
No	Rabble Rd	486	12	Completed	2010
No	Rabble Rd	1,693	8	Completed	2010
No	S Place	284	4	Completed	2010
No	Wilder Rd	2,695	12	Completed	2010
No	Wildrye Way	565	8	Completed	2010
No	Wildrye Way (Wilder Dev)	474	12	Completed	2010
No	Big Leaf Rd	479	12	Completed	2011
No	Debra Ct	134	6	Completed	2011
No	Paintbrush Ln	1,811	8	Completed	2011
No	R/W 2430	10	6	Completed	2011
No	Saint Hill Rd	7	6	Completed	2011
No	White Oak Dr	270	6	Completed	2011
No	Wilder Rd	4,354	12	Completed	2011
No	Wilder Rd	194	12	Completed	2011
No	Windy Creek Way	216	12	Completed	2011
No	Windy Creek Way	170	8	Completed	2011
No	Blackthorn Rd	430	8	Completed	2012
No	Wilder Rd	1,405	12	Completed	2012
No	Wilder Rd	818	8	Completed	2012
No	Bay Tree Ridge	421	8	Completed	2013
No	Cork Tree Ln	297	8	Completed	2013
No	Miller Ct	769	8	Completed	2013
No	Pepper Tree Terrace	328	8	Completed	2013
No	Pomelo Place	381	8	Completed	2013
No	Quince Terrace	268	8	Completed	2013
No	Tamarillo St	324	8	Completed	2013
No	Wild Plum Way	537	8	Completed	2013
No	Big Leaf Rd	1,218	8	Completed	2014
No	Big Leaf Rd	41	8	Completed	2014
No	Big Leaf Rd	310	8	Completed	2014
No	Coffee Berry Ln	54	8	Completed	2014
No	Coffee Berry Ln	522	8	Completed	2014
No	Dairy Creek Ln	751	8	Completed	2014
No	Eva 1	530	8	Completed	2014
No	Eva 2	39	8	Completed	2014
No	Eva 2	255	8	Completed	2014
No	Eva 3	222	12	Completed	2014
No	Eva 5	601	8	Completed	2014
No	Grassy Hill Way	394	8	Completed	2014
No	Monkeyflower Ln	1,070	8	Completed	2014
No	Normandy Ln	1,274	12	Completed	2014
No	Ridge Ln	231	12	Completed	2014
No	Ridge Ln	490	6	Completed	2014
No	Tomcat Way	362	12	Completed	2014
No	Twig Ln	697	8	Completed	2014
No	West Hill way	31	8	Completed	2014
No	West Hill way	722	8	Completed	2014
No	Wild Lilac Way	785	8	Completed	2014
No	Windy Creek Way	1,602	8	Completed	2014
No	Big Rock Rd	1,541	8	Completed	2015
No	Big Rock Rd	145	8	Completed	2015
No	Fiddleneck Way	756	8	Completed	2015
No	Fiddleneck Way	472	12	Completed	2015
No	Honeywood Rd	656	6	Completed	2015
No	Quarry Hill Rd	310	8	Completed	2015
No	R/W 574	211	8	Completed	2015
No	Lomas Cantadas	4	6	Completed	2016
No	White Oak Dr	319	6	Completed	2016
No	Lombardy Ln	41	8	Completed	2017
No	Miner Rd	40	16	Completed	2017












Attachment A


Table 1. Completed & Planned Pipeline Replacement Projects located within the City of Orinda
(Sorted by 1999 Engineering Study then by Year and Project Limit)

In 1999 Engineering						
Study	Project Limit	Length (ft)	Diameter (in)	Status	Year	
No	Moraga Way	627	8	Completed	2017	
No	Tappan Ct	550	6	Completed	2017	
No	Tappan Lane	2,164	8	Completed	2017	
No	Tarry Lane	4,201	8	Completed	2017	
No	Van Ripper	1,781	6	Completed	2017	
No	121 to 180 El Toyonal	1544	8	Planned	2020	
No	121 to 180 El Toyonal (Parallel Line)	1544	6	Planned	2020	
No	180 to 259 El Toyonal	2419	8	Planned	2020	
No	E. Alterinda Dr	1,049	12	Planned	2020	
No	Hall Cluster (Altamount Dr, El Nido Ct, Carmen Ct)	1,383	6 & 8	Planned	2020	
No	Las Aromas Cluster (La Espiral, Las Aromas, E Alterinda Dr)	2,390	12 & 6	Planned	2020	
No	Madera Lane	222	2	Planned	2020	
Total Length, Feet		137,218				
Total Length, Miles		26.0				



Legend

-  Existing Reservoir
-  Future Reservoir
-  Regulators
-  Completed Pipelines
-  Planned Pipelines
-  City Limit
-  E3A
-  D7*
-  D5*
-  D9*
-  D11B

	EAST BAY MUNICIPAL UTILITY DISTRICT	DRAWN: N. Li	City of Orinda	1 in = 0.4 mi
	375 11th Street, Oakland, CA	REVIEWED: B. Ledesma	Completed & Planned Pipeline Projects Since 1999	2/15/18
		File: Completed and Planned Pipeline Replacement Projects.mxd		FIGURE 1



Moraga-Orinda Fire District

TO: Board of Directors
FROM: Dave Winnacker, Fire Chief
DATE: February 21, 2018
SUBJECT: Item 8.2 – Review of Apparatus and Equipment

BACKGROUND

MOFD currently fields (4) Type III wildland fire apparatus for responses to areas that require high clearance and all-wheel drive. Historically, the district operated several Type VI apparatus (commonly referred to as power wagons at the time), however between 2002 and 2010 these were replaced by the larger Type IIIs in accordance with broader fire service trends. A brief summary of the two apparatus is included in the attachment. Type VI apparatus are generally built on a F-450 or equivalent chassis with 150-300 gallons of water and small firefighting pump. They cost between \$90,000 and \$150,000 to purchase depending on specifications. Type III apparatus are generally built on a medium duty commercial chassis and carry 500 gallons of water with a larger firefighting pump and additional compartment space. They cost in excess of \$300,000.

MOFD currently fields a Type I rescue boat and a technical rescue trailer equipped for trench rescue. The rescue boat was put in service in 2011 as replacement for a smaller IRB that was fielded in the early 2000s in response to a mass PIW event on the Briones reservoir. A review of response records indicates the rescue boat has not been utilized for a response in the district since the current record keeping system was installed and has been requested for out-of-district responses (2) times. The technical rescue trailer was put in service 2011 to better transport trench and mine rescue equipment that was fielded in response to (2) trench collapse responses in the mid to late 1990s. This program was expanded to include mine rescue during the Caldecott Tunnel project. A review of records indicates (2) trench rescue calls for service outside the district and (2) mine rescue responses during the Caldecott construction.

Both the boat and the trailer are pulled by converted medium duty chassis 1999 ambulance which carries additional technical rescue equipment.

FIRE APPARATUS

Recognizing the steep terrain, narrow streets and driveways, and large number of privately maintained bridges in the district, staff believes the district is best served by a mix of larger Type IIIs and more agile Type VIs to facilitate response to restricted access areas. Staff recommends retiring (1) of the older (2002) Type III engines and replacing it with (2) Type VI engines. This will restore the apparatus inventory the district fielded prior to 2010.

TECHNICAL RESCUE

A review of training records and qualifications for the rescue boat and technical rescue programs indicates that the district has not maintained qualifications in these areas and that to continue the program, a significant, unbudgeted increase in training will need to occur. Given the very low call volume and availability of resources through redundant mutual aid from surrounding jurisdictions, staff recommends retiring the rescue boat, technical rescue trailer, and tow vehicle.

RECOMMENDATION

- 1) Discuss; 2) Deliberate; 3) No action required

ATTACHMENT

- 1) Attachment A – Type III/Type VI

Attachment A: Type III/ Type VI

Type: III



Type VI:





Moraga-Orinda Fire District

TO: Board of Directors
FROM: Kathy Leonard, Fire Marshal
DATE: February 21, 2018
SUBJECT: Item 8.2 – MOFD Draft Fee Waiver Policy for Non-Profit Organizations

BACKGROUND

On January 17, 2018, Fire Prevention staff was directed by the Board of Directors to create a policy that would allow a fee waiver for non-profit organizations who apply for a special event permit from MOFD.

Attached is the draft policy for review and discussion.

RECOMMENDATION

- 1) Discuss; 2) Deliberate; 3) Provide Direction to Staff

ATTACHMENT

- 1) Attachment A – Draft policy for non-profit permit fee waiver for special events.



Moraga-Orinda Fire District

Fee Waiver Policy

Purpose:

MOFD may waive payment of fees for the cost of any service, or the cost of enforcing any regulation for which a fee is charged, if it determines that payment would not be in the public interest. (Health & Saf. Code, § 13919.) In an effort to support non-profit 501c(3) organizations that provide valuable community services for the public benefit, the following policy has been established to determine when special event operational permit fee will be waived.

Policy:

Fee waivers will be considered for local organizations that satisfy the following requirements 30 days in advance of the special event for which the organization is seeking an operational permit fee waiver:

- (1) The non-profit organization is based in the City of Orinda, the Town of Moraga, community of Canyon and areas of unincorporated Contra Costa County that are within the boundaries of the fire district;
- (2) The non-profit provides a valuable community service for the public benefit; and
- (3) The non-profit provides the fire district with a Determination Letter from the IRS.

Fee waivers will be limited to special event operational permits only. Fee waiver considerations will not apply to building plan review or other permitted construction projects.

Waivers for non-profit 501c(3) organizations are limited to one waived fee per calendar year.

Special event permits that are granted a fee waiver must comply with all codes, ordinances and regulations.

Violation of any codes during the event or pre-event inspection are subject to the revocation of the operational permit and cancellation of the event by the fire chief or designee.

Approval of a fee waiver does not alter other requirements by the fire district.



Moraga-Orinda Fire District

Fire Chief Dave Winnacker

TO: Board of Directors
FROM: Dave Winnacker, Fire Chief
DATE: February 21, 2018
SUBJECT: Item 10.3 – District Update and Activity Report: February 2018

OPERATIONS

1. Bollinger Canyon Water Supply Meeting with Fire Marshal and Engineer Davies
2. Operation and Technical Rescue Committee Meeting
3. Wildland Committee Meeting
4. Safety Committee Meeting
5. CAD Analyst Program installation for response data analysis
6. Map Book Finalization
7. December Incident Totals:

▪ EMS/Rescue	217
▪ All fires	5
▪ Haz Conditions	7
▪ False Alarms/Canceled	67
▪ Good Intent/Pub Service	6
▪ Special Call	23
Total:	325

COMMUNICATIONS

1. “Second-line” Ambulance MDT installation

EMERGENCY PREPAREDNESS

1. On Saturday morning, January 6, the MOFD Communications-Support Unit conducted a Firefighter Rehab exercise at Station 41. Ten members of the unit set up the Firefighter Rehab equipment on the training grounds behind the fire station. The “Rehab” function is intended to support our personnel at the scene of a major incident by providing cooling/heat, food, hydration and minor medical support.
2. On Monday evening January 8, Lamorinda CERT presented monthly update training at the Orinda Community Auditorium on reunification of school children and repopulation following a large-scale evacuation. Lafayette Police Chief Eric Christensen led the training that covered CERT’s potential role after an active shooter incident or major wildfire evacuation. Approximately 40 residents attended.

3. On Tuesday evening, January 9, 16, 23, 30, Lamorinda CERT continued the CERT Basic training at the Lafayette Community Center. There are 45 Lamorinda residents attending the training. The topics covered this month include: Introduction to CERT, Emergency Preparedness, Fire Safety, Household Hazardous Materials, Disaster Medical, CERT Organization/ICS and Disaster Communications. The classes run from 6:30 to 9:30 PM and are being taught by our CERT Volunteer Instructors and several of our Firefighters.



4. On Monday, January 22, Staff made a presentation to the Contra Costa County Senior Mobility Action Council to help local organizations serving seniors prepare for disasters. The council includes representatives from local senior centers, para-transit organizations, cities and county organizations. Staff used last fall's North Bay Fires to illustrate the importance of seniors and those with access and functional needs planning for early/assisted evacuation. The majority of fatalities in the North Bay Fires were elderly.
5. On Wednesday, January 24, Staff met with the Orinda Police Department and the Orinda Union School District to discuss emergency preparedness for the schools. Disaster supplies, evacuation procedures, the status of the Sleepy Hollow School emergency access trail and wildfire fuels management projects at the schools were discussed. Staff plans to walk the Sleepy Hollow Trail with School District Staff, and EBMUD in March.
6. On Monday morning, January 29, the Lamorinda CERT Steering Committee met at the Moraga Hacienda. Chief Winnacker also attended the meeting. Discussion items included: adjustments to the Basic CERT training (on-going at the Lafayette Community Center), Senior CERT training being planned for Monte Verde this Spring, MCC CERT Training being planned for Spring, A CERT exercise on May 5 at Station 41, the emergency water drum program, monthly update training topics and more.

TRAINING

1. Coordinated the hiring of two additional new hire recruits to join the in-service fire academy with Alameda County Fire Department (ALCO) in early February
2. Submitted Joint Apprentice Committee (JAC) training hours
3. Facilitating probationary firefighter testing

4. Developing and coordinating logistics of the 2018 Engineer's promotional test scheduled for April 2-4, 2018
5. Met with neighboring fire agency training division to further develop district online-based records keeping
6. Assisted Berkeley Fire Department Academy by providing loaner ventilation training prop
7. Monitor and support recruits in ALCO fire academy

APPARATUS

1. Final inspection of Tiller
2. Service and maintenance of fleet
3. Apparatus Committee Meeting

EMS

1. Successfully completed two additional new hire paramedic field evaluations
2. Certification audit of all personnel completed (on-going)
3. Ambulance compliance monitored (on-going)
4. CQI & PCR audited (on-going)
5. Coordinated ambulances and gurney sales on surplus public auction
6. Ensure medical medication and supplies stock (on-going)
7. Monitor budgetary expenditures (on-going)
8. Assisted in the development of monthly MCI training drill

SUPPORT SERVICES

1. Provided facilities maintenance support (on-going)
2. Monitor budgetary expenditures (on-going)
3. Facilitated temporary fire station 43 repairs
4. Coordinating Station 41 site grading project to begin at the end of February
5. Facilitated Station 45 plymovent modification project