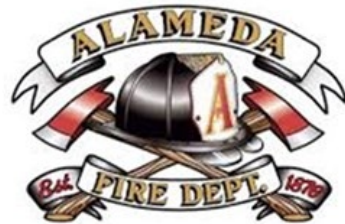
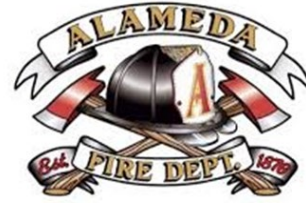


Community Risk Assessment/Standards of Cover

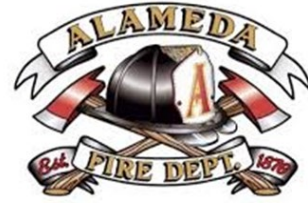
May 7, 2024

Nicholas Luby – Alameda Fire Chief





- **The Project**
 - “Report Card”
 - Industry standards and history
 - AP Triton
- **Community Risk Assessment (CRA)**
 - A participatory process that assesses community hazards, vulnerabilities, risks, and resiliency.
 - The CRA’s primary purpose is to provide data to help the Alameda Fire Department (AFD) plan and implement risk reduction measures.
- **Standards of Cover**
 - Technical evaluation of how AFD is deployed and how AFD is performing.
- **CRA/SOC Combined**
 - Information will be used to identify gaps in performance and potential improvements to service delivery for day-to-day operations and long-term sustainability.
- **Next Steps**
 - Address easy-to-implement operational items in the near-term
 - Prepare implementation strategy for longer-term policy and facility issues

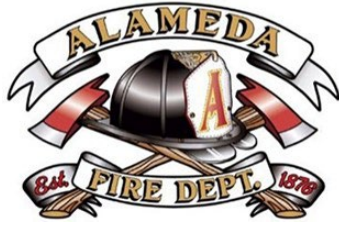


- **Community Engagement Survey**

- Add on component (779 Responses)
- 84% satisfied or very satisfied with AFD services
- 3% responded as somewhat dissatisfied or dissatisfied
- Fire Suppression is the highest priority for services provided – Medical care second
- High priority placed on ensuring First Responders are trained and technically competent
- The top expectation from the community is to maintain a rapid response to incidents

- **Community Feedback Section**

- Expectations
- Unmet expectations
- Positive feedback
- Concerns
- Other



City of Alameda Fire
Department

Community Risk Assessment & Standards of Cover

Clay Steward
Project Manager



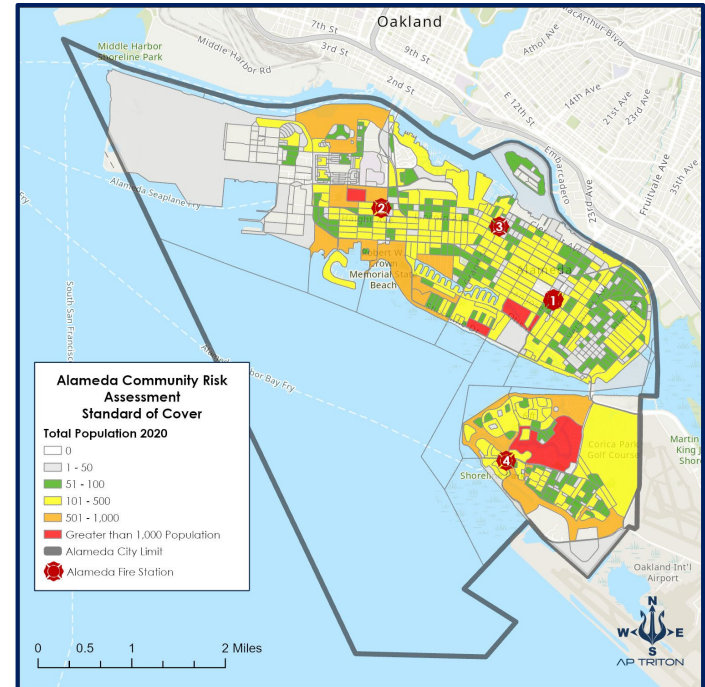
Community Risk Assessment



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Community Risk Assessment

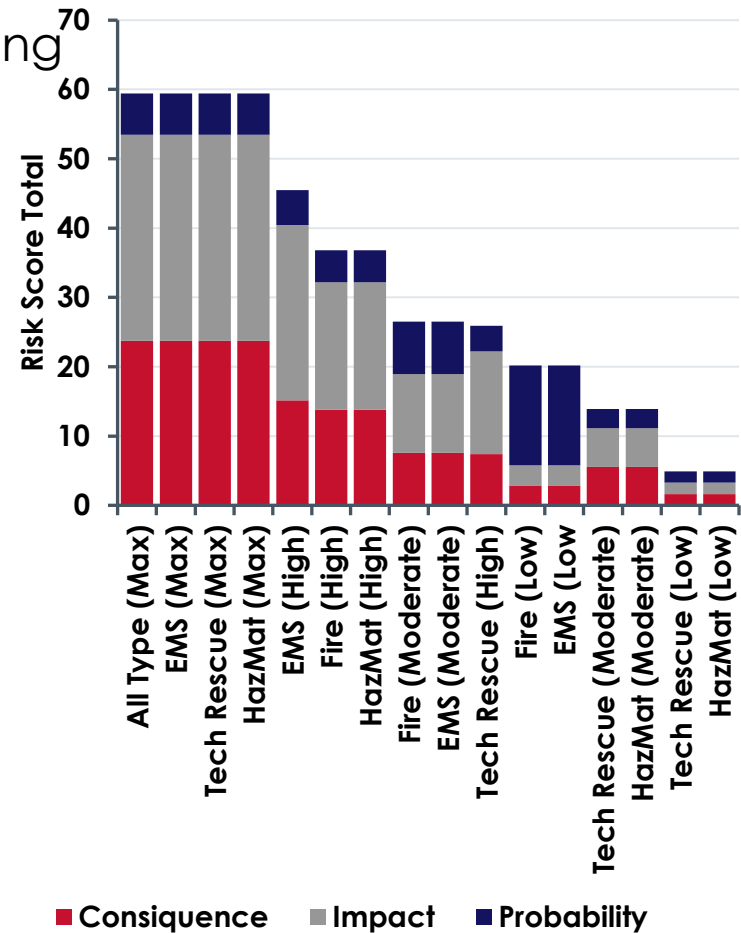
- City Overview
- Population, Demographics, & Housing



Community Risk Assessment

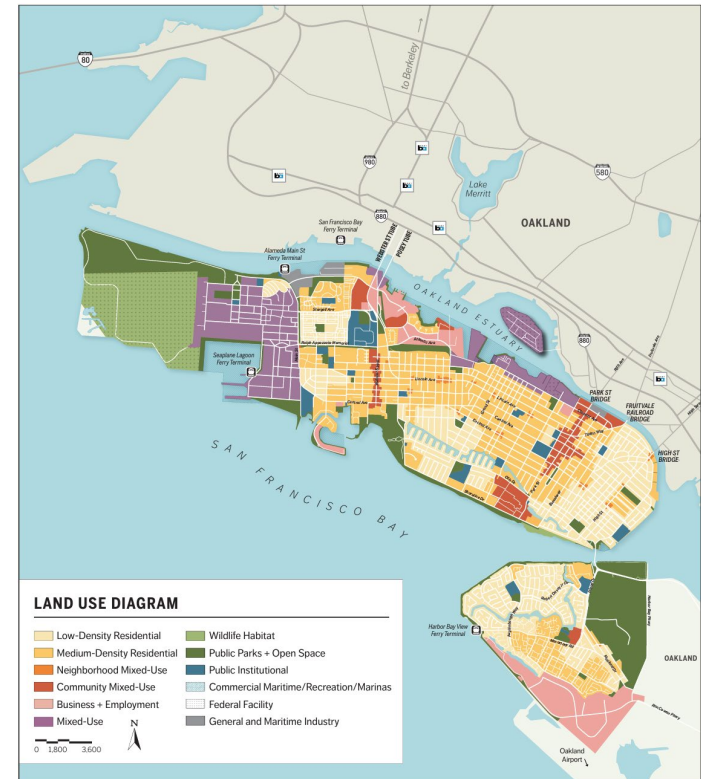
- City Overview
- Population, Demographics, & Housing
- Risk Classification

Program	Severity	3-Factor Scoring
Fire	Low	Consequence
EMS	Moderate	Impact
Tech. Rescue	High	Probability
HazMat	Max	



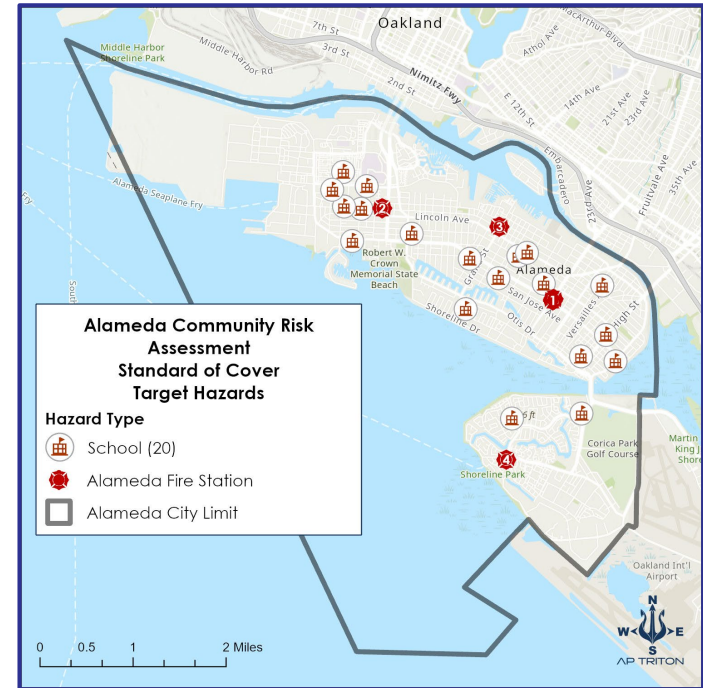
Community Risk Assessment

- City Overview
- Population, Demographics, & Housing
- Risk Classification
- Land Use



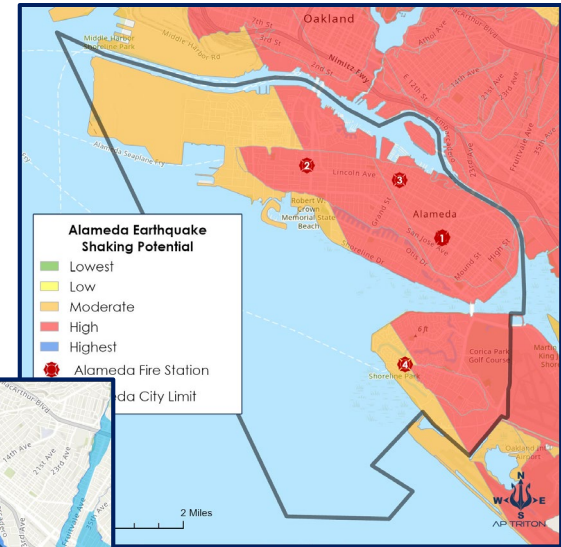
Community Risk Assessment

- City Overview
- Population, Demographics, & Housing
- Risk Classification
- Land Use
- General Assets Protected



Community Risk Assessment

- City Overview
- Population, Demographics, & Housing
- Risk Classification
- Land Use
- General Assets Protected
- Threats



Community Risk Assessment

- City Overview
- Population, Demographics, & Housing
- Risk Classification
- Land Use
- General Assets Protected
- Threats
- Critical Infrastructure

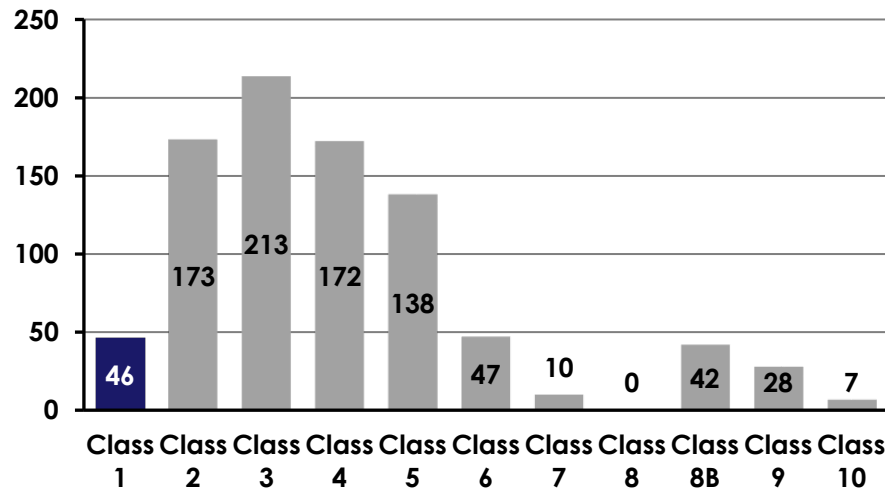


Community Risk Assessment

- City Overview
- Population, Demographics, & Housing
- Risk Classification
- Land Use
- General Assets Protected
- Threats
- Critical Infrastructure
- Community Comparison

Year	AFD Fires per 1,000 Population	U.S. Fires per 1,000 Population
2019	2.2	4.0
2020	2.7	4.3
2021	3.0	4.1
2022	2.6	N/A*

*Data for the number of fires in the U.S. has not been released for 2022.



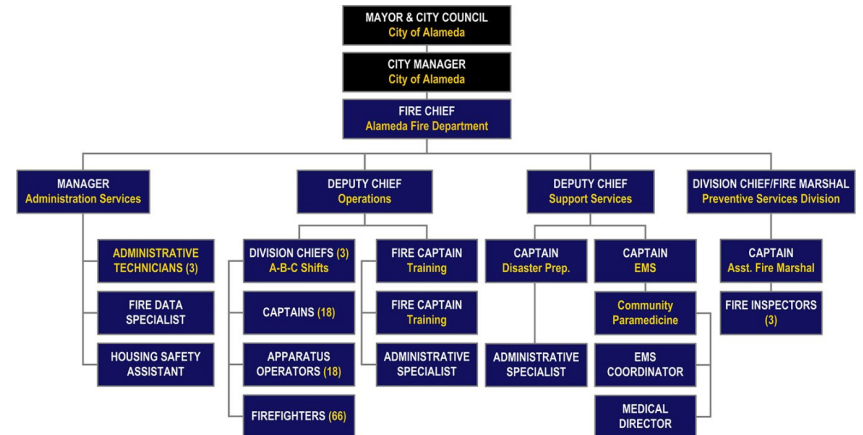
Standard of Cover & Deployment



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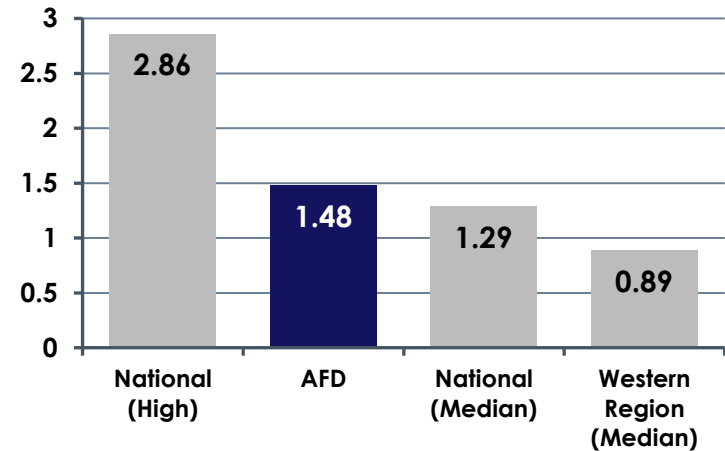
Standard of Cover

- Fire Department Overview



Standard of Cover

- Fire Department Overview
- Staffing



Standard of Cover

- Fire Department Overview
- Staffing
- Finance

5-year Summary AFD	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual
Salary & Employee Benefits: Emergency Services & EMS					
Salaries and Wages	12,291,309	12,196,580	11,768,068	12,200,712	13,175,867
Overtime	1,128,204	2,497,921	2,446,041	2,300,479	2,397,737
Subtotal	13,419,513	14,694,501	14,214,109	14,501,191	15,573,604
Salary & Employee Benefits: Remaining Divisions					
Salaries, Wages & OT	1,812,777	2,121,048	2,636,747	2,715,478	2,881,178
Subtotal	15,232,290	16,815,549	16,850,856	17,216,669	18,454,782
Pension and OPEB	8,216,767	8,675,190	9,293,831	10,231,643	10,708,974
Benefits	2,432,344	2,334,007	2,201,697	2,285,963	2,585,738
Total Salary and Benefits	25,881,401	27,824,746	28,346,384	29,734,275	31,749,494
Non-Salary Expenditures					
Cost Allocation	2,517,926	3,327,001	3,976,503	3,906,870	5,191,876
Operating Expenditures	2,670,587	3,390,085	2,807,566	2,927,841	2,309,699
Transfer out	—	1,226,671	801,819	216,244	183,026
Debt Service	201,385	223,354	226,119	231,271	236,578
Capital Outlay	2,115,284	389,895	95,678	—	146,835
Total GF Impact:	33,386,583	36,381,752	36,254,069	37,016,501	39,817,508

Standard of Cover

- Fire Department Overview
- Staffing
- Finance
- Capital Facilities & Apparatus



Station 1 - Good



Station 5 - Poor



Station 2 - Fair



Station 3 - Excellent

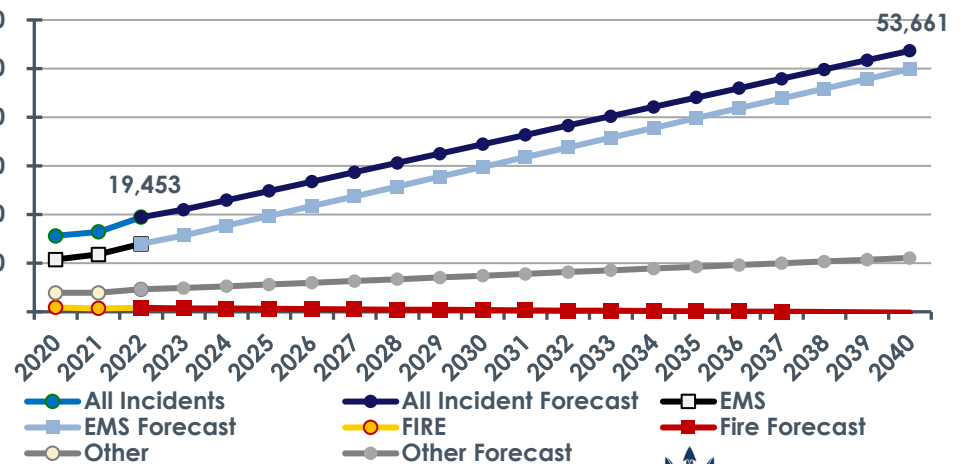
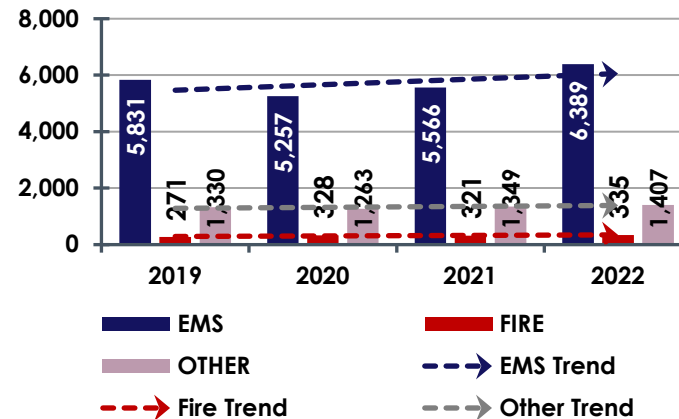
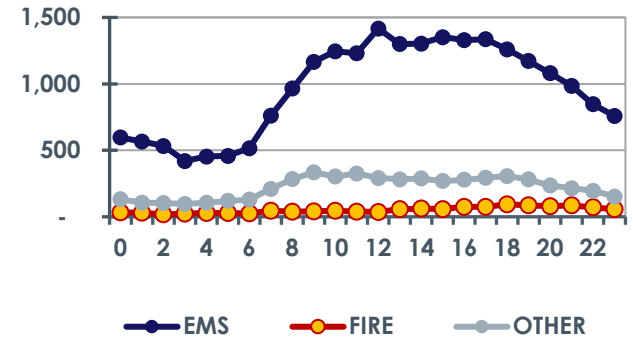
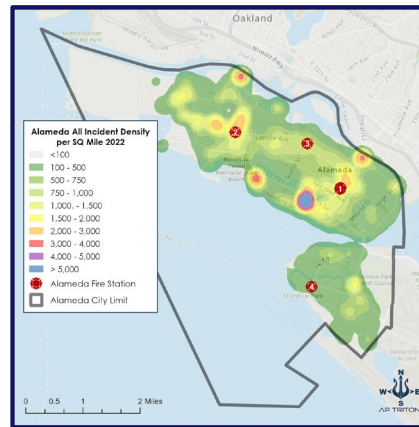
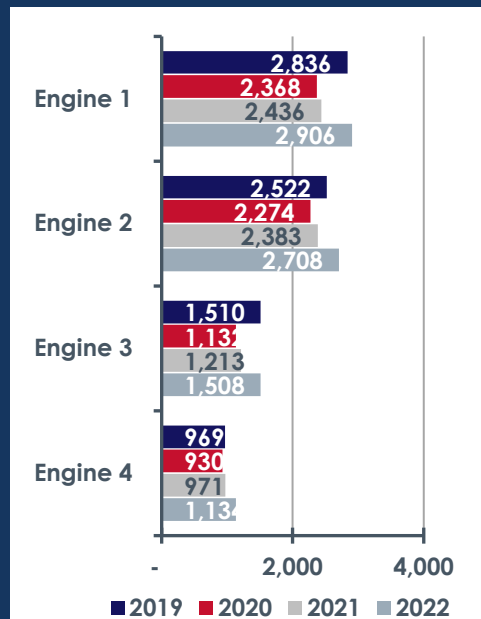


Station 4 - Good

HISTORIC PERFORMANCE

Evaluates response and deployment against industry best practices.

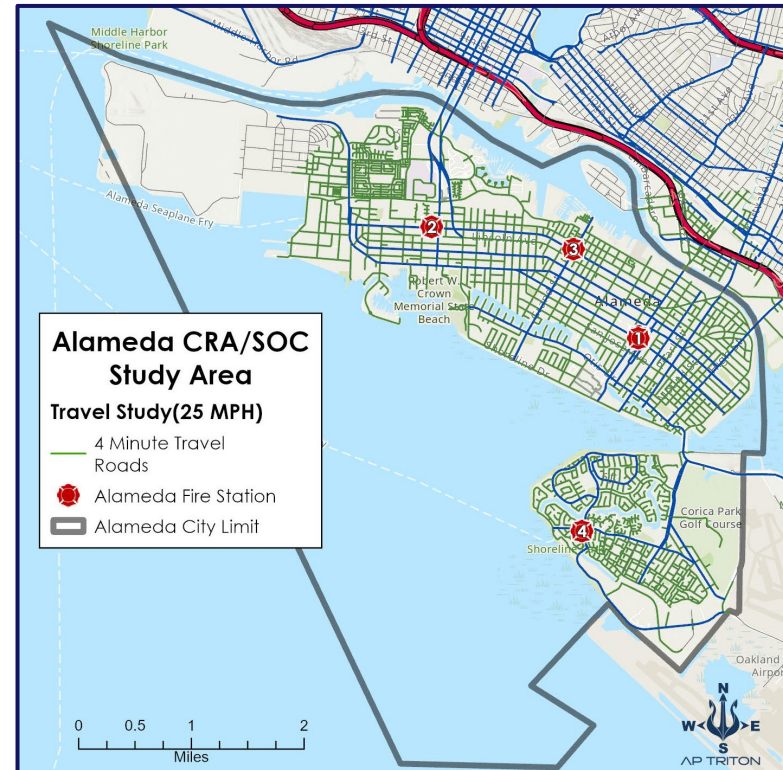
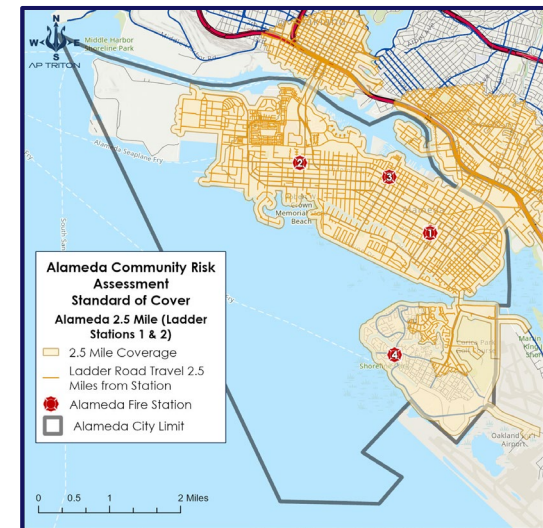
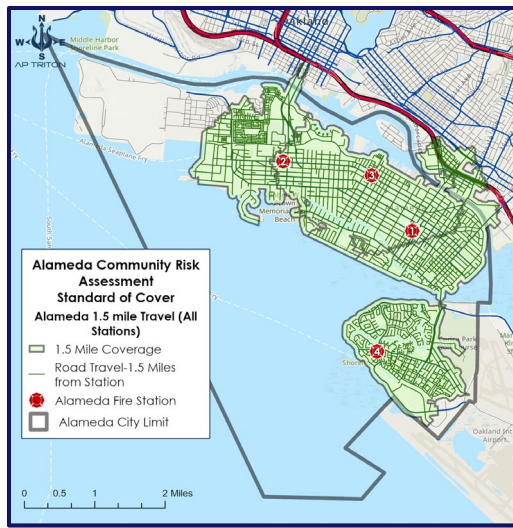
Demand – 68% Medical



HISTORIC PERFORMANCE

Evaluates response and deployment against industry best practices.

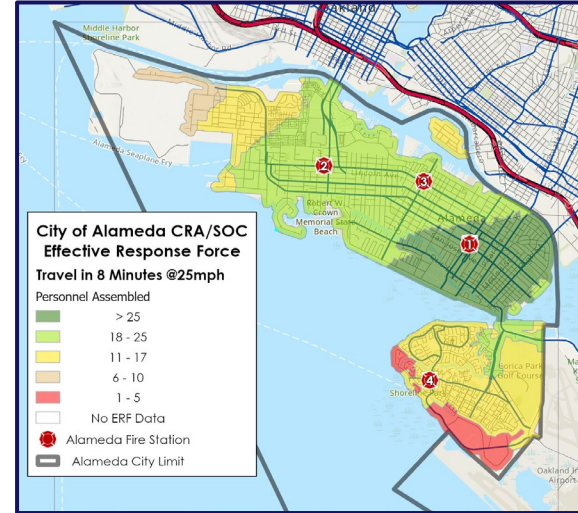
Demand – 68% Medical Resource Distribution



HISTORIC PERFORMANCE

Evaluates response and deployment against industry best practices.

Demand – 68% Medical
Resource Distribution
Time Performance



Moderate Fire Risk Critical Task Analysis		Units Assigned	
Task	Staff	Apparatus	Staff
Command	1		
Safety	1		
Size up (360°)	*		
Driver/Engine or Pump Operator	2		
Fire Attack	2		
Fire Attack & Search and Rescue	3		
Ventilation/Utilities	2		
Back-up Line	2		
Rapid Intervention Team	2		
EMS Unit-ALS	2		
Effective Response Force:	17		
* Temporary assignment		Engines	9
		Trucks	6
		Medic Units	2
		Command Officers	1
		TOTAL STAFF DEPLOYED	18

KPI	Timestamp	MGMT Segment	NFPA Standard	AFD Performance	
Total Response Time (6 Min. 44 Sec. 90%)	Dispatch Times	Phone Ring	15 Sec. 90%	No Data	
		Answer	20 Sec. 95% NFPA 1225		
	Fire Department Response Time	Unit Notified	Call Processing	60 Sec. 90% Some Exceptions NFPA 1225	1 Min. 18 Sec. 90%
		Unit Enroute	Turn Out Time	60/80 Sec. 90% NFPA 1710	2 Min. 10 Sec. 90%
		1st Unit Arrive	Travel Time	480 Sec. 90% NFPA 1710	5 Min. 1 Sec. 90%

HISTORIC PERFORMANCE

Evaluates response and deployment against industry best practices.

Demand – 68% Medical

Resource Distribution

Time Performance

Critical Task Analysis

Function	Maximum Risk	High Risk	Moderate Risk	Low Risk
Command/Support	2	2	1	1
Safety	1	1	1	*
Size up (360°)	*	*	*	*
Driver/Engine or Pump Operator	2	2	2	1
Water Supply	2	2		
Standpipe/Sprinkler Control	2	2		
Fire Attack	6	2	2	1
Search & Rescue	3	3	3	
Ventilation/Utilities	2	2	2	
Backup Line	2	2	2	
Rapid Intervention Team	8	4	2	
EMS Unit - ALS	4	2	2	
Total Effective Response Force:	34	24	17	3

* Temporary Assignment

Dispatched Apparatus	AFD Units	AFD Staff	Aid Units	Aid Staff	Staffing
Low Risk (ERF staffing = 3)					
Engine	1	3			3
Totals: Over/(Under) ERF	1	3	0	0	0
Moderate Risk (ERF staffing = 17)					
Engine	3	9			9
Truck	2	6			6
Division Chief	1	1			1
EMS	1	2			2
Totals: Over/(Under) ERF	7	18			+1
High Risk (ERF staffing = 24)					
Engine	4	12			12
Truck	2	6			6
Division Chief	1	1			1
EMS	5	10			10
Totals: Over/(Under) ERF	12	29			+5
Maximum Risk (ERF staffing = 37)					
Engine	4	12	3	12	12
Truck	2	6	1	5	11
Division Chief	1	1	1	1	2
EMS	5	10			
Totals: Over/(Under) ERF	12	29	5	18	+13

Findings & Recommendations



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RECOMMENDATIONS

Financial

RECOMMENDATION A-1: CONDUCT AN IN-DEPTH STUDY OF THE AMBULANCE TRANSPORT FEE SCHEDULE AND UPDATE AS NEEDED.

RECOMMENDATION A-8: CREATE AND FUND A FACILITY, APPARATUS, AND EQUIPMENT COMPREHENSIVE IMPROVEMENT AND REPLACEMENT PLAN.

Fire Marshal

RECOMMENDATION A-2: IDENTIFY ALL COMMERCIAL PROPERTIES AND TARGET HAZARDS

RECOMMENDATION A-3: MANDATE TRAINING AND POLICY FOR FIRE LOSS CALCULATIONS.

RECOMMENDATION A-6: DEVELOP A SCHEDULE TO INSPECT ALL COMMERCIAL OCCUPANCIES

RECOMMENDATION A-7: TRANSITION TO A FIRE-BASED RECORD MANAGEMENT SYSTEM FOR THE FIRE PREVENTION BUREAU

Performance/Data

RECOMMENDATION A-4: FORMALLY ADOPT EMERGENCY RESPONSE GOALS.

RECOMMENDATION A-5: REVIEW INCIDENT DATA ANNUALLY.

Buildings

RECOMMENDATION B-2: REMOVE THE CURRENT TRAINING CENTER AND ADD A STATION/TRAINING CENTER BUILDING ON THE STATION 5 SITE

RECOMMENDATION B-4: REFURBISH, REMODEL, OR REPLACE STATION 2.

RECOMMENDATION B-5: IMPROVE PARKING AT THE EOC.

Compliance
Methodology

Appendices

Complete Interview Information



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Items Already Addressed:

- Apparatus replacement
- Training/Station 5 (inspected & sewer)
- Water supply Alameda Point/fire hydrants
- Fire station safety concerns
- Station 4 dormitory remodel completed



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AFD Path Forward:

- Prioritize addressing Policy and Operational changes
 - Ambulance revenue
 - Upgrade Fire Prevention Bureau (FPB) software to address other FPB related findings (scheduling and database accuracy)
 - Identify and implement training for fire loss calculations
 - Develop a response goal policy
 - Revise policies and incorporate technology to review all incident data annually
 - Research the feasibility of establishing a replacement fund for fixed-asset equipment
- Develop a plan to analyze further the findings that pertain to Capital & Long-Term Projects
 - Replace Training Center and Station 5
 - Re-Open Station 5
 - Station 2 replacement or remodel
 - EOC/Station 3 parking options



Questions?



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