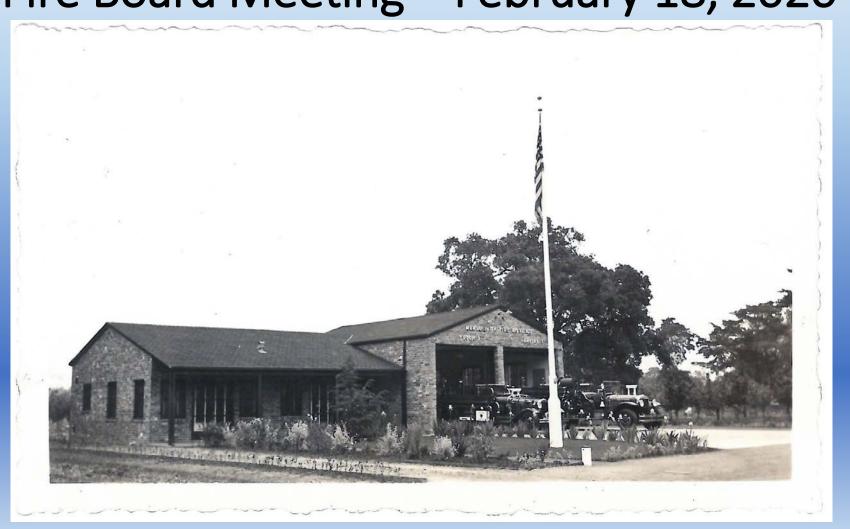
Menlo Park Fire Protection District Town of Atherton – Updated Presentation Fire Board Meeting – February 18, 2020



Menlo Park Fire Protection District Atherton Town Council Joint Meeting – April 29, 2015



Meeting Objectives

- To maintain and improve relations
- To discuss important issues
- To better understand how the Fire District and Town each operate
- To collaboratively move forward together to better serve the community

April 4, 1874

"An effort has been inaugurated at Menlo Park to establish a Fire Company" – San Mateo Gazette

Faxon Dean Atherton – Chief Frank R. Roach - Foreman Deidrich Kuck - Treasurer





1899 - 1920

1889 - The carriage house is built

1900 – The hose wagon is purchased

1916 – The District is formed

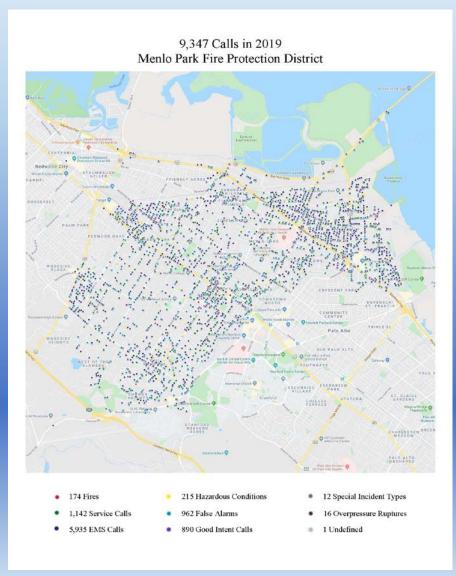






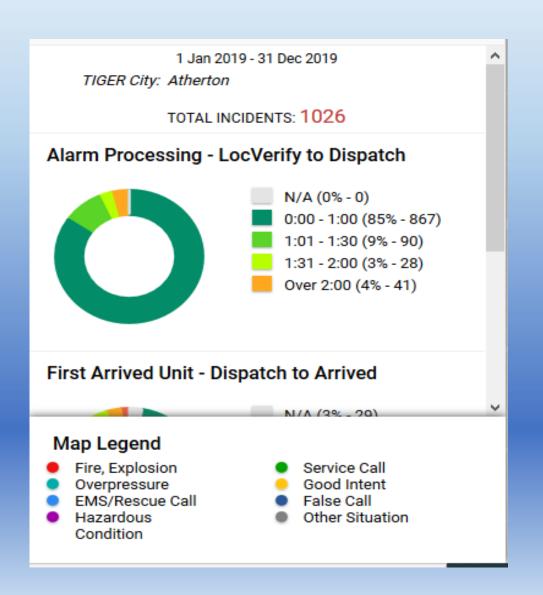
Town of Atherton/Fair Oaks

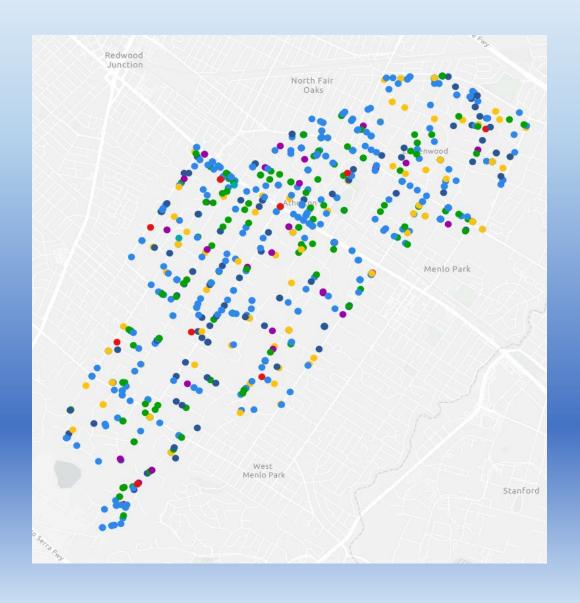
- 1874 Fair Oaks FD Atherton
- Incorporated 1923
- Population 7,159 (2013)
- Area 5.49 square miles
- Elevation 59 ft.
- 2,530 Housing units
- One fire station (In Town)
- 27% of the "area" protected by the Fire District
- #1 List of most expensive zip codes in the US



2019 Information 9,347 Emergency Incidents

- Tracked by category (NFPA)
- Tracked by station and unit
- Tracked by time
- Tracked District wide Not by jurisdiction
- Tracked by Agency Aid given and Aid received





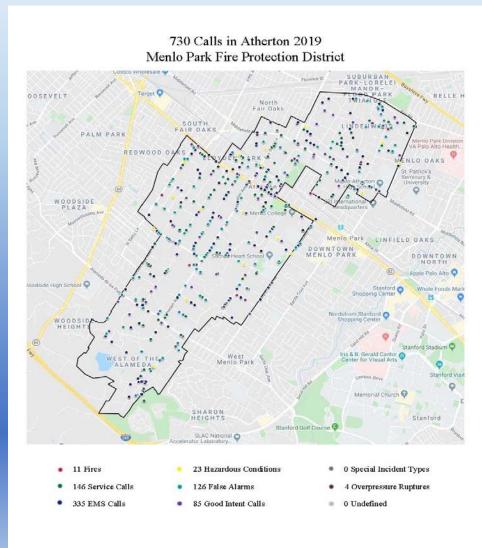


Fire Station 3

- 32 Almendral Avenue, Atherton
- Built 1937 Rebuilt 1998
- Single Bay, back-in, three member crew staffing an Engine Company
- 2017 Purchased 28 Almendral
 - \$4.6 million
 - New Station 2050







Fire Station 3

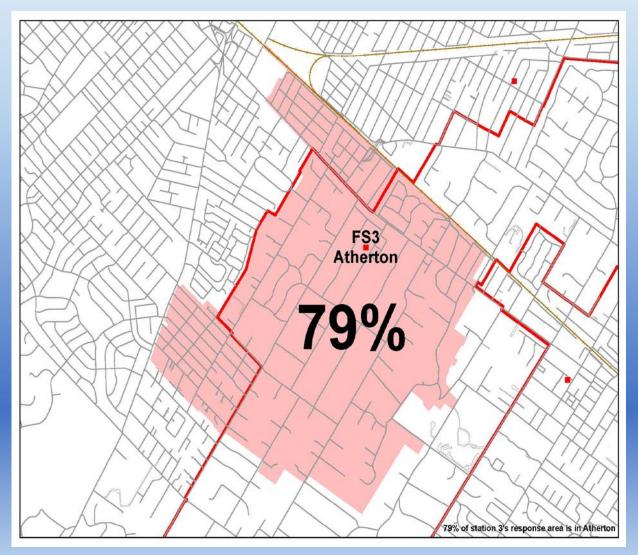
- 2019 Responded to 774 emergency incidents
- EMS 434 (56.07%)
- Service Calls 133 (17.18%)
- False Alarms 90 (11.62)
- Hazardous Conditions 31 (4%)
- Fires 19 (2.45%)

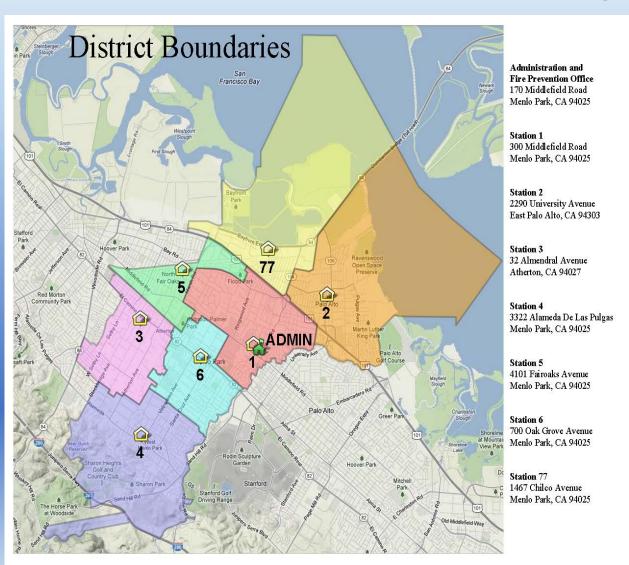
Response Area

• 79% of Fire Station 3's response area is in Atherton

 The Fire District "network" covers the rest

• 5 Fire Stations directly cover the Town





Response Areas

- Station driven
- Geographically situated
- Time based
- Goal
 - 1 minute call handling
 - 1 2 minute turn-out time
 - 4 − 7 minute response time
 - 8 11 minutes all units on-scene

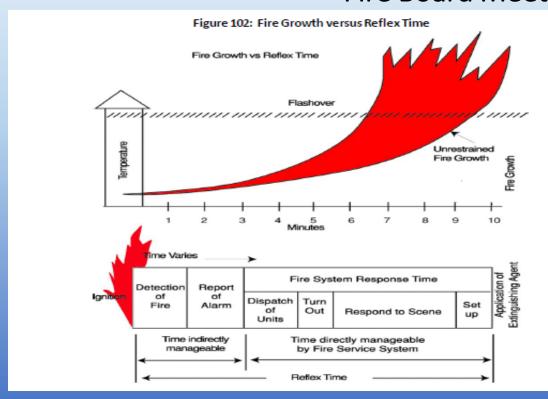
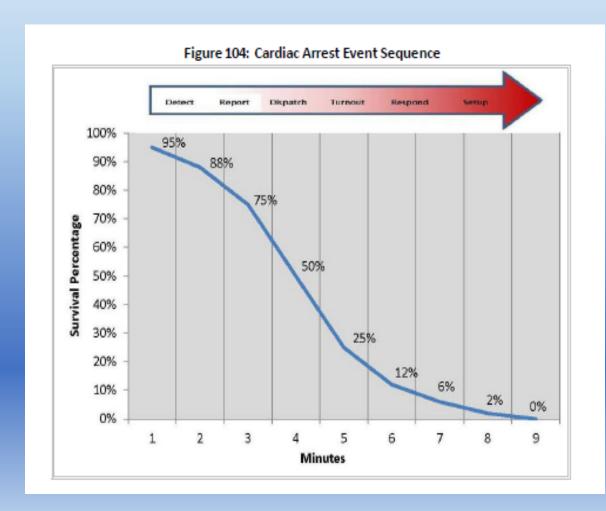


Figure 103: Consequence of Fire Extension in Residential Structures—United States, 2011-2015

	Rates per 1,000 Fires			
Extension	Civilian Deaths	Civilian Injuries	Average Dollar Loss Per Fire	
Confined to the room of origin or smaller	1.8	24.8	\$4,200	
Confined to floor of origin	15.8	81.4	\$36,300	
Confined to building of origin or larger	24.0	57.6	\$67,600	





Atherton's Unique Challenges

- Fences and walls with gated access
- Long driveways
- Long distances between fire hydrants for water supply
- Very large homes
- Very large basements
- Commercial and unique construction issues
- Reminder We are a standby emergency service 24/7/365





Atherton Homes and Basements 2008 – 2017 (April)

224 New homes built

Largest home – 31,900 square feet

Largest basement – 9,400 square feet





Size of the effective force

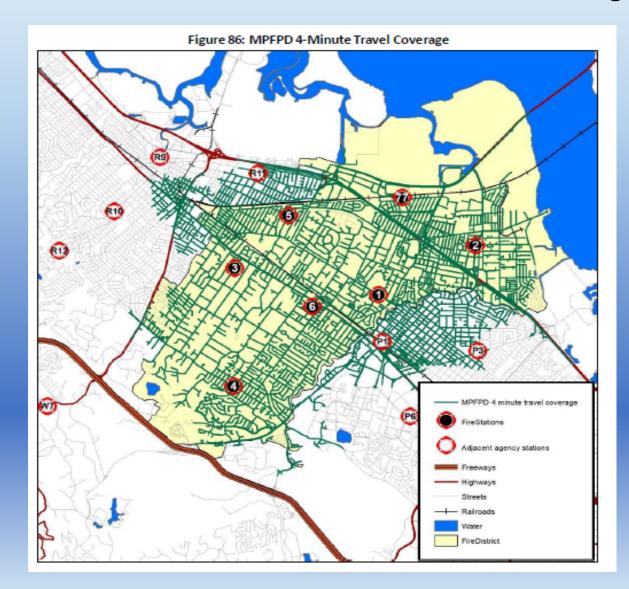
Figure 53: Staffing CFAI Recommendations Based on Risk

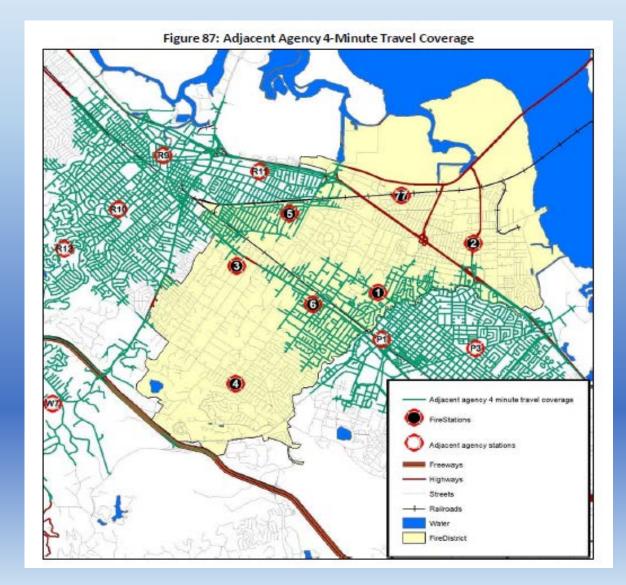
Incident Type	High Risk	Moderate Risk	Low Risk
Structure Fire	29	15	6
Emergency Medical Service	12	4	2
Rescue	15	8	3
Hazardous Materials	39	20	3

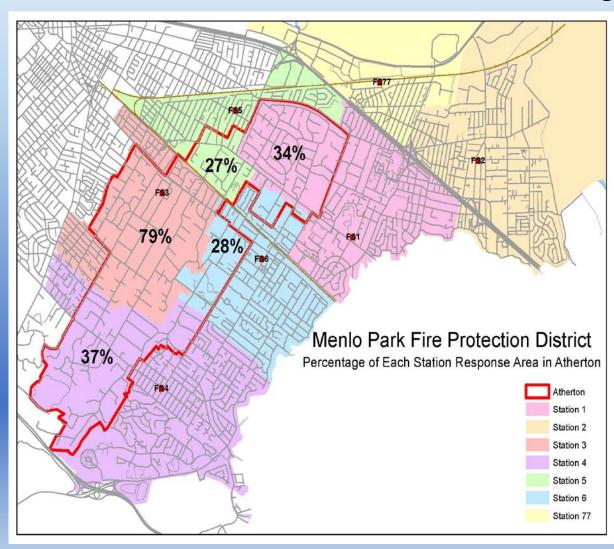
Figure 54: Structure Fire

Task	Number of Personnel	
Command	1	
Safety	1	
Pump Operations	4	
AttackLine	4	
Backup Line	4	
Search and Rescue	2	
Ventilation	2	
RIT	3	
Total	21	









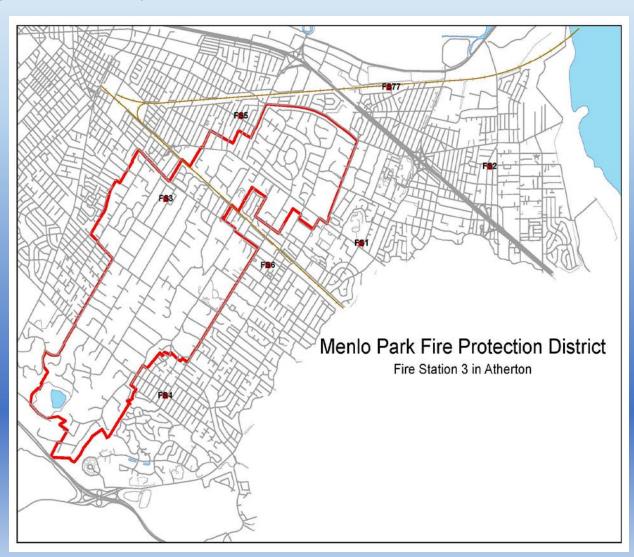
Direct Coverage The Atherton Response Network

- Station 1 34% of response area
- Station 3 79% of response area
- Station 4 37% of response area
- Station 5 27% of response area
- Station 6 28% of response area

Atherton Deployment

The Fire District is:

- A 'network' of Fire Stations
- A configuration of response units (12)
- Uses a staffing model (33)
- Not specific to the Town (District)
- Uses a priority "must cover" model
- Has a large enough "effective force"
- Has an elected Fire Board who appoints the Fire Chief and is responsible for policy and budget decisions



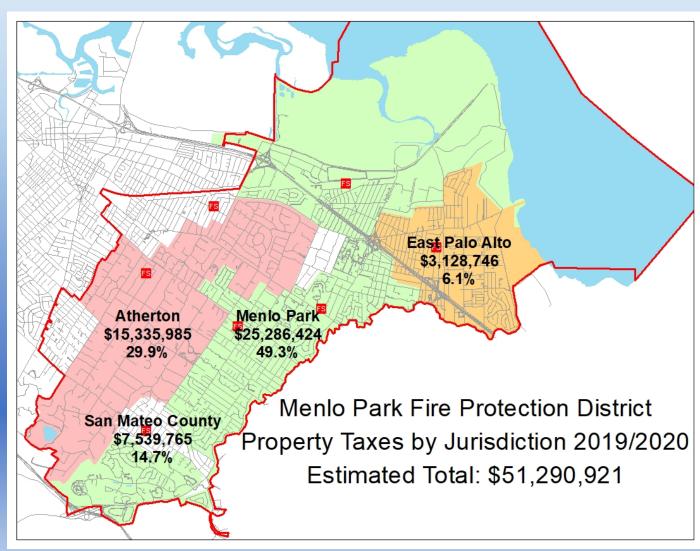
Menlo Park Fire Protection District Town of Atherton

Fire Board Meeting – February 18, 2020

How we use tax dollars

How we use tas dollars:		·	
	FY2019-20		
	Add	opted budget	% of
Revenues			
Property taxes	\$	52,565,931	87.2%
Other operating revenues	\$	7,699,115	12.8%
Total revenues	S	60,265,046	100%
Expenditures			
Wages and benefits	\$	41,104,237	66.3%
Other operating expenditures	\$	12,331,938	19.9%
Extra-ordinary expenditures			
CalPERS Unfunded Actuarial Liability (UAL)	\$	3,500,000	5.6%
Overtime - BC training	\$	628,771	1.0%
Total expenditures	S	57,564,946	
Operating Transfers			
Transfer Out - Debt Service	\$	950,100	1.5%
Transfer Out - Capital Improvement Projects	\$	3,500,000	5.6%
Total expenditures including operating transfer out	S	62,015,046	100.0%
Transfer In - GF reserve to GF operating	S	1,750,000	
FY2019-20 Adopted balanced budget	S	(0)	

- Deficit Reserve \$18,128,125
- PERS Stabilization \$3,600,000
- CIP Fund Balance \$22,313,582





Direct Coverage Fire Station 6 Downtown Menlo Park

- 28% of response area Atherton
- Rebuilt 2018 \$ 11.2m
- Hoover House \$1.5m
- Standards of Cover Recommendation to add Rescue 6



Direct Coverage Fire Station 4

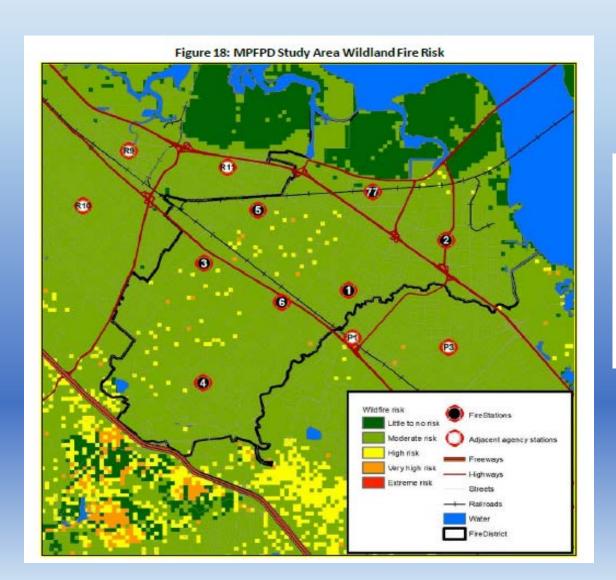
- Station 4 − 37% of response area
- Built 1949
- Replacement cost \$22m est.
- 2018 Valparaiso House \$3.25m
- Breaking ground this year 2020



New training tower

Direct Coverage Fire Station 1

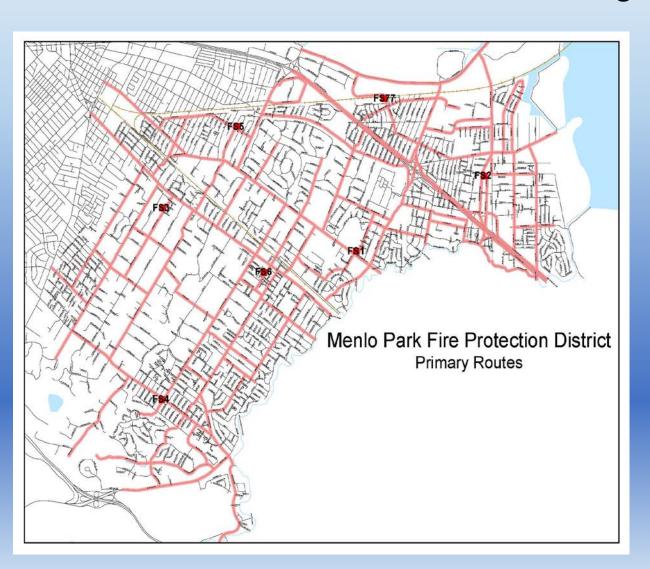
- 34% of response area Atherton
- 1955 Station 1 \$25m
- 2017 1 acre land purchase \$6m
- New classroom and meeting room
- New joint Emergency Operations Center (EOC)



Wild Fire Risk:

Figure 53: Staffing CFAI Recommendations Based on Risk

Incident Type	High Risk	Moderate Risk	Low Risk
Structure Fire	29	15	6
Emergency Medical Service	12	4	2
Rescue	15	8	3
Hazardous Materials	39	20	3



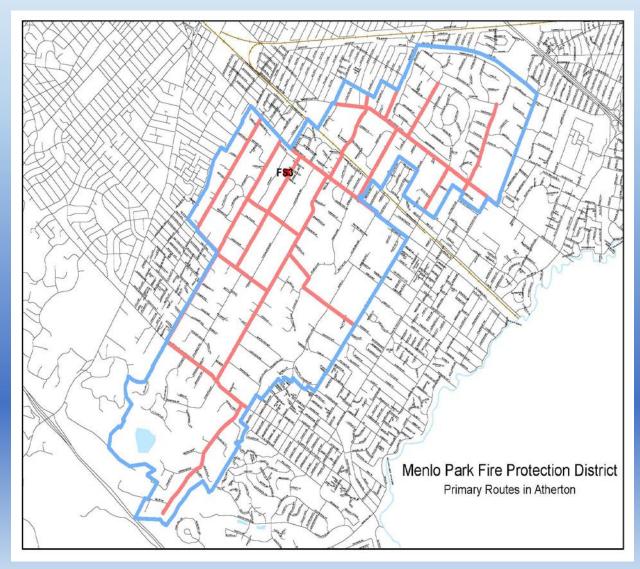
Primary Response Routes

Why they are important

- Our Mission Protection of Life,
 Property and the environment
- Response Times are critical
- Movement is key
- Reflex time is important and dynamic (Turnout and Travel)

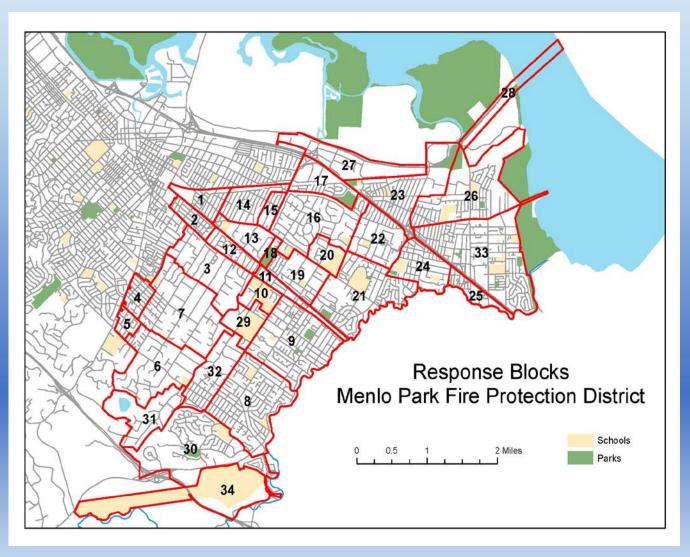
Primary Routes in Atherton

- 20 Routes or Roadways
- Critical to maintaining response times
- Important for secondary units, backfill and movement of Ambulances and Law Enforcement
- Atherton has excellent routes with minimal problems



Response Blocks

- Computer Aided Dispatch
- 34 Response Blocks
- 340 Dispatch Type Codes
- Various unit response profiles and configurations
- Coming soon AVL
- SOC Recommendations



Station Ordering

Holbrook Palmer Park
Response Block 18 (50 Deep)

FS-05, 1, 3, 6, 11, 77, 9, 4, 2, 10,
PAF-1, 12, 7, 16, 13, 18, 14, PAF-3,
8, 19, 20, 15, 26, 23, 28, PAF-6, 25,
24, 21, 27, 17, 32, 34, 58, 33, 35,
37, 38,51, 52, 40, 64, 61, 63, 62, 41,
44, 94, 65, 71





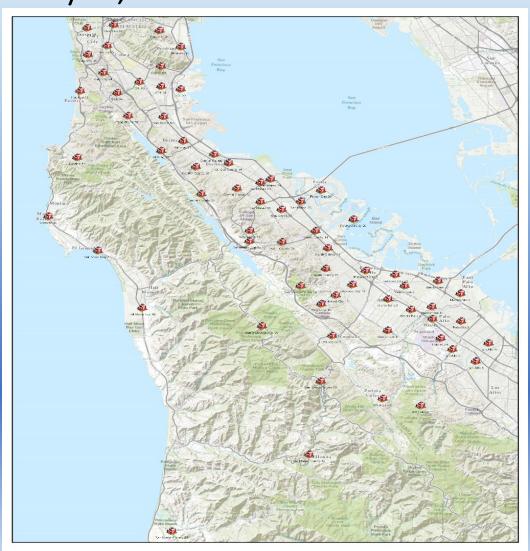
Response Category Examples:

- Single Engine (Medical Incidents, Alarm Soundings, Odor call, Investigations)
- Traffic Accident Two Engines, Truck and a Battalion Chief
- Full Assignment Three Engines, Truck and a Battalion Chief
- Structure Fire Five Engines, one Truck, Two Battalion Chiefs
- Greater Alarm 1st, 2nd, (Eight Engines, Two Trucks, Four Battalion Chiefs) 3rd, 4th, 5th, 6th
- Other Response Packages Haz-Mat, Water Rescue, Air Craft Down, Shooting, etc.

San Mateo County Fire Services

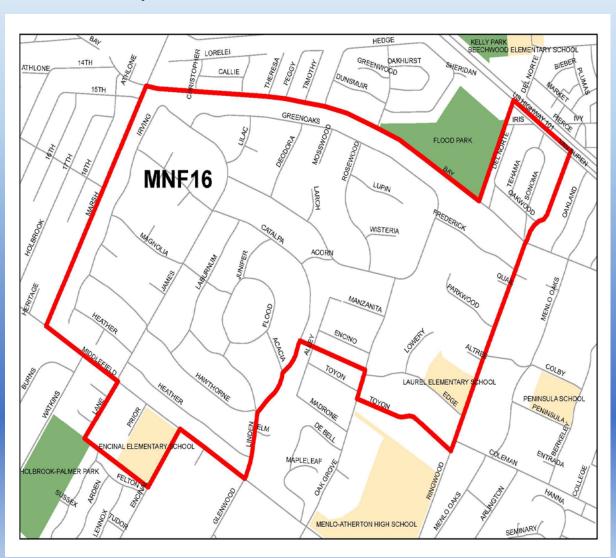
How it works

- Common Dispatch PSC
- Automatic Aid Agreement
- ALS Engine Companies (Medics)
- Move and Cover
- Greater Alarm Plan
- Strike Teams Out of County
- Palo Alto Fire Auto/Mutual Aid



Medical Incident

- March 5, 2015 (9.05 pm)
- Catalpa Drive, Atherton
- Engine 1, Battalion 1, AMR
- Response time 4.45 minutes
- Teenage male Cardiac arrest
- Resuscitation started at 9.09 pm
- Transported to Stanford Hospital and <u>Survived!</u>



Structure Fire

Response Block 3

- Shearer Drive
- April 1, 2015 @ 4.52 am
- 3000 Square foot home fully involved in fire
- Response time 2.50 minutes
- Engines 3, 6, 5, 1, 11 Truck 1, Battalion 1 and 2
- Defensive Fire, vacant home, cause suspicious





Vehicle vs Train

Response Block 12

- Station Lane, Atherton
- December 16, 2014 (7.31 pm)
- Response time 4.24 minutes
- Engine 3, 6, 5 Truck 1 & Battalion 1
- Non-injury, vehicle was drug 1500 ft. and vehicle and locomotive were on fire upon arrival



Questions?

Presented by Harold Schapelhouman, Fire Chief