

AGENDA
Disaster Fire and Safety Commission
Regular Meeting
September 28, 2022
7:00 PM

District 1 – Kim-Mai Cutler
District 2 – Weldon Bradstreet
District 3 –
District 4 – Antoinette Stein

District 5 – Shirley Dean
District 6 – Nancy Rader
District 7 – Tobias Simmons
District 8 – Paul Degenkolb

Mayor’s Appointee- Jose Luis Bedolla

PUBLIC ADVISORY: THIS MEETING WILL BE CONDUCTED EXCLUSIVELY THROUGH VIDEOCONFERENCE AND TELECONFERENCE

Pursuant to Government Code Section 54953(e) and the state declared emergency, this meeting of the Disaster and Fire Safety Commission will be conducted exclusively through teleconference and Zoom videoconference. The COVID-19 state of emergency continues to directly impact the ability of the members to meet safely in person and presents imminent risks to the health of attendees. Therefore, no physical meeting location will be available.

*To access the meeting remotely: Join from a PC, Mac, iPad, iPhone, or Android device: Please use this URL <https://cityofberkeley-info.zoomgov.com/j/1601651815> If you do not wish for your name to appear on the screen, then use the drop down menu and click on "rename" to rename yourself to be anonymous. To request to speak, use the “raise hand” icon by rolling over the bottom of the screen. To join by phone: Dial **1-669-900-9128** and enter Meeting ID 160 165 1815 If you wish to comment during the public comment portion of the agenda, Press *9 and wait to be recognized by the Chair. Please be mindful that all other rules of procedure and decorum will apply for Commission meetings conducted by teleconference or videoconference*

Preliminary Matters

Call to Order

Approval of the Agenda

Public Comment on Non-Agenda Matters

1. Fire Department Staff Report including Measure GG and Measure FF Budget Updates*

Consent Items

2. Approval of Draft Minutes of Meeting of June 22, 2022*

Action Items

3. Commission Annual Workplan (Bedolla, Dean, Rader)

Discussion Items

4. Community Wildfire Protection Plan (CWPP) Meeting #2 Strategies and Projects (Staff Presentation)*
5. Fire Department Facilities Master Plan (Dean)
6. Safe Passages Program Update (Bedolla)
7. Assembly Bill 3047 (Dean)
8. Recording of Commission Meetings (Dean)
9. Review of Process for Evaluating and Making Recommendations for Measure GG and FF Tax Rates (Rader)
10. Future Agenda Items and Next Steps

Adjournment

Disaster & Fire Safety Commission
Regular Meeting
Wednesday August 3, 2022

Present: Jose Luis Bedolla, Shirley Dean, Tobias Simmons, Paul Degenkolb, Toni Stein, Nancy Rader, Weldon Bradstreet

Absent: Kim-Mai Cutler,

Staff: Khin Chin, Chris Pinto

Public: 42 Attendees : Carol L Rice, Henry DeNero, Ganey PMT, Andrew Talbot, Shantee, kellyhammargren, Peter Lydon, Jerry Kent, Richard, Richard Thomason, Jon Kaufman, Esther Mandeno# Digital Mapping Solutions, Cheryl Miller, marthasrabkin, Susie Bailey, Benay Dara-Abrams, Scott Stoller, sheryl Drinkwater, Gretchen Carlson, Carolyn Burgess, Takato Umeda, Kathleen Kelly, arbara Gross, Davis, Iris Kwok, Madeline, Alec Dara-Abrams, Joan Hollinger, Masha Fergusson, Maya Jimenez, Steve Taylor, Michael Rowe, ray yep, Doug Kennedy, David Schindler, molly, Linda, Lynn Crook, Michael, ipad, C Chen, Stephen Yang

Preliminary Matters

Call to Order

J. Bedolla called meeting to order at 7:01pm

Approval of the Agenda

Approved by Acclamation

Public Comment on Non-Agenda Items

Benay Dara-Abrams Secretary for Hillside Fire Safety Group, Status of the June 22 and why is it in still in staff review and what responsibility does the Fire Department have to provide the report in a timely basis to the Council.

1. Fire Department Staff Report

DFSC Staff Report

August 3, 2022

1. Measure FF Monthly Report

- a. Budget Overview – Next scheduled update will be the Year-end report at the end of September or beginning of October

- i. Program Review

- 1. **Standards of Coverage Analysis** – The Department is undergoing an in-depth analysis of fixed and mobile resources to determine the best deployment model and to ensure the Department is responding effectively and efficiently.

- Status: No update

- 2. **Community Wildfire Protection Plan (CWPP)** – The CWPP is a comprehensive risk analysis that addresses local target hazards and includes a community-based action plan to mitigate threats, promote preparedness activities, and ensure resiliency. It will serve as the foundation and roadmap for the Departments work to prevent wildfire and limit the spread when they ignite.

- a. Update: Presentation on Agenda.

- 3. **Wildfire Prevention / Mitigation – Vegetation Management Inspections** – We have complete 8500+ annual inspection that began in the summer of 2021. The inspection program has transition from paper to the new Defensible Space Inspection (DSI) program. All properties are being imported into the DSI program so we can follow up with re-inspections and not lose the violation data on those properties.

On July 27th we kicked off the new Inspections Season along with going live with the DSI iPad inspection program. We have changed to a year-long inspection cycle from the previous 5-month cycle that will reset every May 1st. We are collecting data with the software to track various home hardening vulnerabilities (roof types, gutters, eaves, windows, vents, fences, decks, and sidings as examples). These inspection times will increase due to the home hardening assessments and using the digital format with iPads. These increased times will benefit the department and the property owners as there is much more information collected and shared with the homeowner following the inspection. This should result in a more-clear process for the homeowner and ultimately less questions and follow-up.

The first two areas that we are starting the new inspection season will be the Panoramic Area and properties east of Grizzly Peak Blvd.

- 4. **Retired Annuitants** – The retired annuitants are largely focused on performing vegetation inspections for properties in fire zone 2 and 3.

They are also looking at transitioning the inspection from paper to mobile technology, re-tooling the re-inspection, citation, and violation process. The Department has also expanded its traditional hazardous fire area program to include all properties in fire zones 2 and 3.

- a. Update: Currently we have 9 field inspectors and 4 administrative still performing work for the Wildland Urban Interface (WUI) Division.

5. Emergency Medical Technician (EMT) and Paramedic Recruitment – Single Function Job Classifications & Recruitment:

- a. The Division has worked collaboratively with Local 1227 and Human Resources to draft single function EMT and Paramedic Job Classifications which were approved with elation at the December Personnel Board meeting and were approved by the City Council on January 18th, 2022.
 - i. Update: Recruitment for our first class of Paramedics has begun! We will take a snapshot of the applicant pool on and move that group ahead through the process. We plan to hire groups of 10 with an ALS Academy of eight weeks followed by Field Training Observation.

6. Fire Facilities Master Plan (FMP): Berkeley Fire Department stations are undersized, in poor condition and in need of remodels or replacement. The Department initiated a long-term replacement planning process to better understand infrastructure needs. This process will provide the City leaders of today and tomorrow with actionable information ahead of future infrastructure bond measures.

- i. Update: Will have a Closed Work Session with City Council to deliver a mid-project report in September after Council Recess.

7. Dispatch Study: Our goal, per Council direction is to enhance the dispatch center so it can triage calls, divert non-emergency calls (including mental health calls) to appropriate resources like the SCU; and provide emergency medical instructions to callers.

- i. Status: No New Updates

8. **Recruitments:**

- i. No new updates.

9. **Division of Training Property** – The Department is actively engaged to find a piece of property that will meet the City’s needs for the training and development of its emergency responders and support staff. Due to zoning, the cost of property and the proximity of residential units to most property in Berkeley, this location will likely be outside the City proper. This presents exciting opportunities for regional collaboration with other fire departments and a community college district.

- a. Update: No new updates.

ii. Implementation & Metrics

Outdoor Warning System –5 complete sets of the Outdoor Warning System equipment have been delivered in June to cover the five pilot sites. 10 more sets of the equipment will be ready to ship August 12th

HY Architects have been added as contractors to provide:

Provide permitting services for documentation of location of the initial 5 pilot sites and installation and to provide construction documents, Department of State Architect approval services and construction administration for documentation of location and installation for emergency broadcast speakers at eight Berkeley Unified School District campuses. These services include Schematic Design (site, building and roof plan), Construction Documents (building, roof plan and may include elevations), and Agency Review (follow up on questions, clarifications).

Vegetation Management Inspections – Annuitants

As of:	Vegetation Management Inspections						
AI Inspections							
	Inspected	No Violation Found	Violations Found	Re-Inspection Required	Re-Inspection Completed	Re-Inspection No Violation Found	Re-Inspection w/Violations Found
Foley	449	234	215	215	12	3	9
Frankel	1194	1108	86	86	3	3	
Greene	97	68	29	29	350	317	33
Guzman	1		1	1			
Higgins	817	622	195	195	2	2	
Johnson	877	505	372	372	67	52	15
Lee	202	167	35	35	213	192	21
Marbury	654	379	275	275	424	337	87
McCracken	104	70	34	34	105	70	35
Nagamoto	687	546	141	141	113	107	6
Pinto	13	7	6	6	98	80	18
Ward	431	293	138	138	362	237	125
Williams	1628	1384	244	244	11	5	6
Totals	7154	5383	1771	1771	1760	1405	355
Total Inspections	7,154						
% Completed	100%						
Remaining	0						

2. Measure GG Monthly Report –

- a. Budget Overview – Next scheduled update will be the Year-end report at the end of September or beginning of October.

3. Department Activities

- a. One of the biggest news we have to report came up suddenly. Fire Chief Abe Roman has retired from the City of Berkeley and has accepted a position with the San Rafael Fire Department. We are sad to see him leave the City, but recognize his difficult decision to do what he feels is right for his family.

Dave Sprague will be the Interim Fire Chief and Keith May will be the Interim Deputy Chief. The command team has been well positioned by Chief Roman to succeed. During the last two years, did a lot to flatten the organization, create transparency within the command group, and push information and decision making out and down. This has created a situation where one person’s departure – even an essential one – can be absorbed by the remaining personnel with little lost in transition.

- b. We have concluded our second-round interviews for Academy 112 and have sent 15 candidates to the background process.
- c. Grants – Recognizing that we do not have the bandwidth, we are leaning into our contractor to scope out proposals that would further our programs and identify grant opportunities that match the department’s needs.

4. Safe Passage

- Update: We have been working with Transportation and Traffic to repaint existing red curbs and replacing “no parking signs” that have faded as well as painting red curbs around hydrants.

5. Call Volume Report

Fire Department Report by California Incident Type		
	June, 2022	
	July, 2022	
Fires – including Encampment Fires (structures, mobile properties, vegetation, rubbish, equipment, cooking, chimney,	29	
	31	
Encampment Fires (structures, warming/cooking, debris)	3	
	7	
Explosion - no fire (overpressure ruptures, explosions)	0	
	4	
Rescue & EMS (medical assist, vehicle accident)	790	
	783	
Hazardous Condition - no fire (combustible spills/leaks, chemical release, radioactive condition, electrical wiring problem, biological hazard, potential accident w/ building/aircraft/vehicles)	52	
	35	
Service Calls (person in distress, water issue, smoke/odor problem, animal issue, public	136	
	120	

assist, cover assignment/standby)		
Good Intent (canceled en-route, wrong location, nothing found, steam mistaken for smoke)	85 113	
False Alarm Calls (malicious, malfunction, unintentional, biohazard scare)	148 192	
Severe WX (lightening, wind storms)	0 0	
Special Incidents (citizen complaints)	1 3	
TOTAL	1,241 1,281	

Unit Utilization	Apparatus Count	2,676 2,831
-------------------------	-----------------	----------------

6. Commissions Actions Status

Date of Action	Topic	Result	Description of result	Notes
12/1/2021	Measure FF Oversight Recommendation- revised	City Council 6/28/22 Agenda	Item 34	
2/23/2022	Request for Timely Fiscal Information on Measures FF and GG	City Council 6/28/22 Agenda	Item 48	
4/13/2022	Budget Recommendation for Parking Enforcement			Staff Review for Response; Police Department
4/27/2022	Measure FF Budget Recommendation - Expanded Fire Prevention Inspection			Staff Review for Response; Fire Department
5/25/2022	Annual Measure GG Tax Rate Adjustment Memorandum	City Council 6/14/22 Agenda	Communications Packet related to Item 17	Submitted to Clerk for inclusion in Council Communication Packet
5/25/2022	Request for One Additional Meeting of Disaster and Fire Safety Commission	City Council 7/26/22 Agenda	Item 26	Additional Meeting Approved
6/22/2022	Red Curbs and Visible Signage			Staff Review for Response; Fire Department

Consent Items

2. Approval of Draft Minutes of Meeting of June 22, 2022*

Motion to approve as submitted: Bradstreet

Second: Rader

Vote: 7 Ayes: Rader , Bedolla, Dean, Bradstreet, Simmons, Degenkolb, Stein; 0 Noes; 1

Absent: Cutler; Abstain:

Action Items

3. Commission Annual Workplan

No action taken, held to next meeting.

Discussion Items

4. Community Wildfire Protection Plan Community Input Process (Staff Presentation)
5. Community Communications About 2022 Fire Season (Bedolla)
6. Fire Department Facilities Master Plan (Dean)
7. CERT Training (Bedolla)
8. Safe Passages Program Update (Bedolla)
9. June 28, 2022 Council Meeting - Consideration of Various DFSC-related Budget Items* (Rader)
 - a. Rader Communication to Council
 - b. Measure GG and FF Tax Rates
 - c. Parking Enforcement in Fire Zones 2 and 3
- J. Bedolla left the meeting at 9:01p
10. Berkeley Strategic Plan Quarterly Report on Wildfire Safety* (Rader)
11. California and Berkeley Fire Code Updates (Rader)
12. Future Agenda Items and Next Steps

Adjournment

Motion to Adjourn: Dean

Second: Stein

Vote: 6 Ayes: Rader , Dean, Bradstreet, Simmons, Degenkolb, Stein; 0 Noes; 2 Absent:
Bedolla, Cutler; Abstain:

Adjourned at 9:23p

DRAFT

DFSC Staff Report

September 28, 2022

1. Measure FF Monthly Report

a. Budget Overview – Staff (to include update on Mayor’s Recommendation on Parking Enforcement Officer funding)

i. Program Review

- **Standards of Coverage Analysis** – The Department is undergoing an in-depth analysis of fixed and mobile resources to determine the best deployment model and to ensure the Department is responding effectively and efficiently.
 - Status: City Gate consultants completed the risk assessment and since included an assessment of the Lawrence Berkeley National Laboratory and University of California, Berkeley's growth plans and the City's growth trends. Expected Completion: Fall 2022

- **Community Wildfire Protection Plan (CWPP)** – The CWPP is a comprehensive risk analysis that addresses local target hazards and includes a community-based action plan to mitigate threats, promote preparedness activities, and ensure resiliency. It will serve as the foundation and roadmap for the Departments work to prevent wildfire and limit the spread when they ignite.
 - Update: The CWPP Steering Committee identified processes for public participation via an online hub site with survey tools slated to launch at the end of July and through September. Committee members have communicated the CWPP process to neighboring agencies at the Hills Emergency Forum (HEF) monthly meetings and will continue to keep our neighboring agencies informed and involved throughout the process. The Community Based Map is a key component of the CWPP that will create a shared vision of the existing City of Berkeley wildfire environments. The Community Based Map was initiated and used to display the wildfire layers as the data is gathered and finalized

- **Wildfire Prevention / Mitigation – Vegetation Management Inspections** –We have launched a multi-department WUI Task Force with members participating from Fire, the City Attorney’s Office, Public Works and Parks, Recreation and Waterfront. This group is tackling many of the issues that will take a group effort to deal with including Safe Passages and Vegetation Management.

We are working through some major foundational issues in WUI, including how to significantly increase the Cities capacity to perform vegetation management, chipping service, education and outreach, and changes to fire code. Our goal is to be ready to begin significant operations when the results of the CWPP are published as it will include recommendations on where and what vegetation management is the priority.

- **Retired Annuitants** – The retired annuitants are largely focused on performing vegetation inspections for properties in fire zone 2 and 3. They are also looking at transitioning the inspection from paper to mobile technology, re-tooling the re-inspection, citation, and violation process. The Department has also expanded its traditional hazardous fire area program to include all properties in fire zones 2 and 3.
 - Update: No New Update
- **Emergency Medical Technician (EMT) and Paramedic Recruitment – Single Function Job Classifications & Recruitment:**
 - The Division has worked collaboratively with Local 1227 and Human Resources to draft single function EMT and Paramedic Job Classifications have been approved by the City Council on January 18th, 2022.
 - Update: Recruitment for our first class of Paramedics has begun! We plan to hire groups of 10 with an ALS Academy of eight weeks followed by Field Training Observation. On track to start this academy in the beginning of 2023.
- **Fire Facilities Master Plan (FMP):** Berkeley Fire Department stations are undersized, in poor condition and in need of remodels or replacement. The Department initiated a long-term replacement planning process to better understand infrastructure needs. This process will provide the City leaders of today and tomorrow with actionable information ahead of future infrastructure bond measures.
 - Update: Department and Consultant staff worked together to determine future facility needs and newbuilding layouts and design for all fire facilities. The team is also developing floor plans for the new proposed BFD administration building and will bring an update to City Council for a work session in the Fall of 2022.

- **Dispatch Study:** Our goal, per Council direction is to enhance the dispatch center so it can triage calls, divert non-emergency calls (including mental health calls) to appropriate resources like the SCU; and provide emergency medical instructions to callers.
 - Status: Draft report is completed and we will meet with the vendor to review the preliminary report.
 - **Recruitments:**
 - Communications Specialist (PIO) – Candidates moving forward in recruitment process.
 - Firefighter/Paramedic x11 – Four final offers provided/accepted. Seven more candidates in medical/backgrounds for Academy 112th
 - Paramedic x10 – Applications being screened. Continuous recruitment.
 - Associate Management Analyst (AFS) - Interviews in process.
 - Administrative Assistant x2 - Positions posted and interviews are being scheduled.
 - Fire Inspector (Sworn) x2 – We will be moving forward with a recruitment for an additional two inspectors using candidates on the existing list.
 - Office Specialist III (WUI) – Recruitment to launch in the next four months.
 - **Division of Training Property** – The Department is actively engaged to find a piece of property that will meet the City’s needs for the training and development of its emergency responders and support staff. Due to zoning, the cost of property and the proximity of residential units to most property in Berkeley, this location will likely be outside the City proper. This presents exciting opportunities for regional collaboration with other fire departments and a community college district.
 - Update: No new updates.
- ii. Implementation & Metrics
- **Outdoor Warning System** – All Outdoor Warning System equipment has been delivered to the Berkeley Fire Warehouse. Permitting process is in final stages for the first 5 sites with expectations that plan check will be complete within the next two weeks. The vendor has started the process for permitting the 10 sites in Phase II, most of which are schools and permitted via the Department of the State Architect

2. Measure GG Monthly Report –
 - a. Budget Overview – Staff.

3. Department Activities
 - a. We have participated in several State wildfires including sending a single resource to assist in the Lightning Complex Fire in late August, a Strike Team in our OES rig and a single resource to the Mosquito Fire in mid-September.

4. Safe Passage
 - Update: We have been working with Transportation and Traffic to repaint existing red curbs and replacing “no parking signs” that have faded as well as painting red curbs around hydrants.

5. Call Volume Report

Fire Department Report by California Incident Type		
August 2022		
Fires – including Encampment Fires (structures, mobile properties, vegetation, rubbish, equipment, cooking, chimney,	30	
Encampment Fires (structures, warming/cooking, debris)	9	
Explosion - no fire (overpressure ruptures, explosions)	0	
Rescue & EMS (medical assist, vehicle accident	875	
Hazardous Condition - no fire (combustible spills/leaks, chemical release, radioactive	48	

Public

condition, electrical wiring problem, biological hazard, potential accident w/ building/aircraft/vehicles)		
Service Calls (person in distress, water issue, smoke/odor problem, animal issue, public assist, cover assignment/standby)	98	
Good Intent (canceled en-route, wrong location, nothing found, steam mistaken for smoke)	93	
False Alarm Calls (malicious, malfunction, unintentional, biohazard scare)	184	
Severe WX (lightening, wind storms)	0	
Special Incidents (citizen complaints)	1	
TOTAL	1,329	

Unit Utilization	Apparatus Count	2,886
-------------------------	-----------------	--------------

DISASTER & FIRE SAFETY COMMISSION

FY 2022 YEAR END BUDGET MEASURE GG

September 28, 2022

FY2022 Year End Expenditures

Program	FY 2022 Original Budget	FY 2022 Revised Budget	FY 2022 Actuals				Available Budget	FY2022 Actuals	FY2021 Actuals
			Q1 July-Sept. 2021	Q2 Oct.-Dec. 2021	Q3 Jan.-Mar. 2022	Q4 Apr.-June 2022			
Disaster Prep	\$ 1,188,442	\$ 1,188,442	\$ 210,697	\$ 267,544	\$ 206,313	\$ 301,078	\$ 202,810	\$ 985,632	\$ 942,822
FRALS	\$ 613,172	\$ 613,172	\$ 11,880	\$ 26,069	\$ 94,987	\$ 63,538	\$ 416,698	\$ 196,474	\$ 486,267
Minimum Staffing	\$ 2,392,254	\$ 2,992,254	\$ 303,176	\$ 1,095,836	\$ 580,625	\$ 863,325	\$ 149,292	\$ 2,842,962	\$ 3,193,041
Radio Interoperability	\$ 670,662	\$ 670,662	\$ 5,421	\$ 631,869	\$ 31,104	\$ 20,518	\$ (18,251)	\$ 688,913	\$ 64,267
Training	\$ 300,742	\$ 300,742	\$ 121,237	\$ 138,082	\$ 82,323	\$ 98,252	\$ (139,152)	\$ 439,894	\$ 321,869
Community Outreach - HHCS	\$ 242,527	\$ 242,527	\$ 23,389	\$ 22,452	\$ 12,400	\$ 20,670	\$ 163,615	\$ 78,912	\$ 204,136
Totals	\$ 5,407,799	\$ 6,007,799	\$ 675,801	\$ 2,181,853	\$ 1,007,752	\$ 1,367,382	\$ 775,012	\$ 5,232,787	\$ 5,212,402

Note: Minimum Staffing actuals continue to be high due to COVID-19 coverage

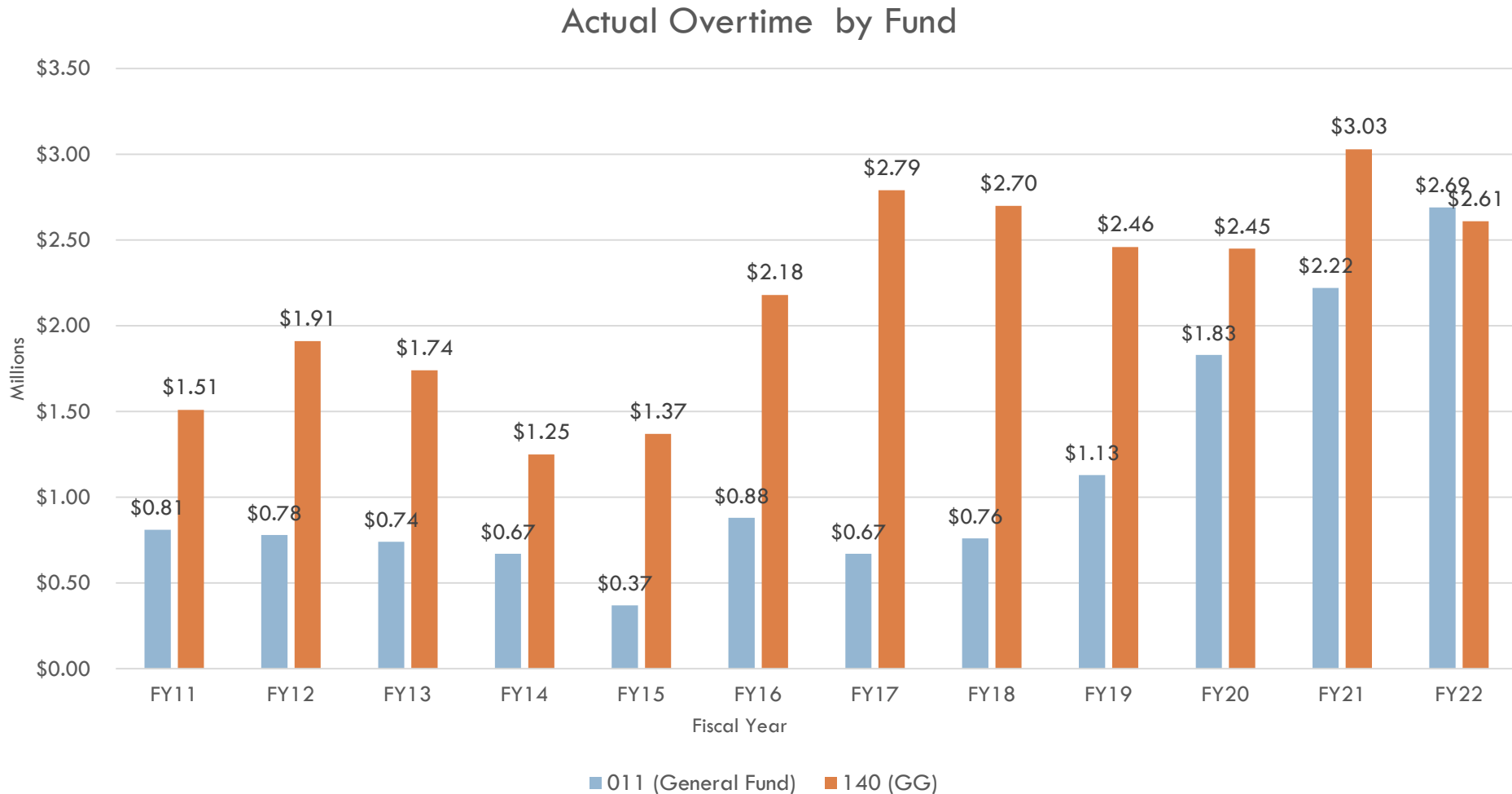
FY2022 Program Expenditures

<u>PROGRAM</u>	<u>EXPENSE</u>
Medical Director Contract	\$72,000
Dumpster Program	\$498

Due to COVID-19, the following programs were on hold:

- Disaster Readiness Classes/Training
- Gas Shut Off Valve Program
- CRC/Cache Program
- 2022 Shakeout & Urban Shield Prog's

FY2022 Overtime by Fiscal Year & Fund





ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 140

ACCOUNT ACCOUNT NAME	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
140-33-324-341-0000-000-412-511110- WAGES - REG - MONTHLY MISC	.00	12,043.17	431.82	11,611.35	11,611.35
140-33-324-341-0000-000-412-520110- EMP FB - MEDICAL	.00	2,750.01	.00	2,750.01	2,750.01
140-33-324-341-0000-000-412-520120- EMP FB - DENTAL	.00	225.84	.00	225.84	225.84
140-33-324-341-0000-000-412-520140- EMP FB - LIFE INSURANCE	.00	7.08	.00	7.08	7.08
140-33-324-341-0000-000-412-520210- EMP FB - MEDICARE	.00	160.48	5.72	154.76	154.76
140-33-324-341-0000-000-412-520220- EMP FB - SRIP	.00	292.14	.75	291.39	291.39
140-33-324-341-0000-000-412-520310- EMP FB - PERS - MISC	.00	4,452.83	160.16	4,292.67	4,292.67
140-33-324-341-0000-000-412-520410- EMP FB - OPEB - RETIREE MEDICA	.00	240.23	8.64	231.59	231.59
140-33-324-341-0000-000-412-520510- EMP FB - WORKERS COMPENSATION	.00	148.81	5.35	143.46	143.46
140-33-324-341-0000-000-412-520520- EMP FB - TERMINAL PAYOUT	.00	228.07	8.20	219.87	219.87
140-33-324-341-0000-000-412-520540- EMP FB - COMMUTER CHECK	.00	75.93	.00	75.93	75.93
140-33-324-341-0000-000-412-520550- EMP FB - OTHER FRINGE BENEFITS	.00	244.47	8.81	235.66	235.66
140-51-506-557-2049-000-451-511110- WAGES - REG - MONTHLY MISC	.00	51,496.21	5,296.69	46,199.52	46,199.52
140-51-506-557-2049-000-451-520110- EMP FB - MEDICAL	.00	4,088.46	.00	4,088.46	4,088.46
140-51-506-557-2049-000-451-520120- EMP FB - DENTAL	.00	504.15	.00	504.15	504.15
140-51-506-557-2049-000-451-520130- EMP FB - CASH-IN-LIEU	.00	794.60	294.30	500.30	500.30
140-51-506-557-2049-000-451-520140- EMP FB - LIFE INSURANCE	.00	14.38	.00	14.38	14.38
140-51-506-557-2049-000-451-520210- EMP FB - MEDICARE	.00	693.10	70.49	622.61	622.61
140-51-506-557-2049-000-451-520220- EMP FB - SRIP	.00	378.50	8.12	370.38	370.38
140-51-506-557-2049-000-451-520310- EMP FB - PERS - MISC	.00	10,661.89	1,284.97	9,376.92	9,376.92
140-51-506-557-2049-000-451-520350- EMP FB - PARS	.00	549.29	22.62	526.67	526.67
140-51-506-557-2049-000-451-520410- EMP FB - OPEB - RETIREE MEDICA	.00	1,522.99	143.34	1,379.65	1,379.65
140-51-506-557-2049-000-451-520510- EMP FB - WORKERS COMPENSATION	.00	1,079.50	83.83	995.67	995.67
140-51-506-557-2049-000-451-520520- EMP FB - TERMINAL PAYOUT	.00	699.93	89.17	610.76	610.76
140-51-506-557-2049-000-451-520540- EMP FB - COMMUTER CHECK	.00	48.70	.00	48.70	48.70
140-51-506-557-2049-000-451-520550- EMP FB - OTHER FRINGE BENEFITS	.00	751.54	95.75	655.79	655.79
140-51-506-557-2049-000-451-625110-					



ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 140

ACCOUNT	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
RENTAL OF REAL PROPERTY	.00	3,364.00	.00	3,364.00	3,364.00
140-51-506-557-2049-000-451-634210-					
TRAVEL - AIRFARE	.00	177.15	1,313.15	-1,136.00	-1,136.00
140-51-506-557-2049-000-451-634220-					
TRAVEL - LODGING	.00	187.00	1,809.86	-1,622.86	-1,622.86
140-51-506-557-2049-000-451-641110-					
SUPPLIES - OFFICE	.00	2,768.78	.00	2,768.78	2,768.78
140-51-506-557-2049-000-451-642990-					
SUPPL - FIELD - OTHER	.00	6,473.34	.00	6,473.34	6,473.34
140-51-506-557-2049-000-451-644110-					
SUPPLIES - FOOD - NON-EMPLOYEE	.00	621.71	.00	621.71	621.71
140-51-506-557-2049-000-451-651990-					
NON-CAP - MISCELLANEOUS	.00	2,548.93	.00	2,548.93	2,548.93
140-54-624-694-3017-000-412-612990-					
PROF SVCS - MISCELLANEOUS	.00	625,320.00	.00	625,320.00	625,320.00
140-72-742-835-0000-000-422-513110-					
WAGES - OT - MISCELLANEOUS	.00	1,741,483.29	10,635.83	1,730,847.46	1,730,847.46
140-72-742-835-0000-000-422-520110-					
EMP FB - MEDICAL	.00	25,644.61	293.73	25,350.88	25,350.88
140-72-742-835-0000-000-422-520120-					
EMP FB - DENTAL	.00	4,298.28	36.79	4,261.49	4,261.49
140-72-742-835-0000-000-422-520140-					
EMP FB - LIFE INSURANCE	.00	131.72	.00	131.72	131.72
140-72-742-835-0000-000-422-520210-					
EMP FB - MEDICARE	.00	25,174.92	131.35	25,043.57	25,043.57
140-72-742-835-0000-000-422-520220-					
EMP FB - SRIP	.00	11,931.73	2.06	11,929.67	11,929.67
140-72-742-835-0000-000-422-520340-					
EMP FB - PERS - FIRE	.00	54.14	.00	54.14	54.14
140-72-742-835-0000-000-422-520410-					
EMP FB - OPEB - RETIREE MEDICA	.00	8.22	424.14	-415.92	-415.92
140-72-742-835-0000-000-422-520510-					
EMP FB - WORKERS COMPENSATION	.00	114,475.70	1,235.91	113,239.79	113,239.79
140-72-742-835-0000-000-422-520520-					
EMP FB - TERMINAL PAYOUT	.00	6.35	327.78	-321.43	-321.43
140-72-742-835-0000-000-422-520540-					
EMP FB - COMMUTER CHECK	.00	474.89	.00	474.89	474.89
140-72-742-835-0000-000-422-520550-					
EMP FB - OTHER FRINGE BENEFITS	.00	1.79	92.54	-90.75	-90.75
140-72-742-835-0000-000-422-632120-					
COMM SVCS - TELE - CELLULAR	.00	5,070.06	.00	5,070.06	5,070.06
140-72-742-835-0000-000-422-642120-					
SUPPL - FIELD - TOOLS AND PART	.00	5,896.32	.00	5,896.32	5,896.32
140-72-742-835-0000-000-422-651110-					
NON-CAP - COMP, SOFTWARE & OFE	.00	32,386.67	.00	32,386.67	32,386.67
140-72-742-836-0000-000-422-511130-					
WAGES - REG - FIRE	.00	227,212.92	5,896.14	221,316.78	221,316.78
140-72-742-836-0000-000-422-513110-					
WAGES - OT - MISCELLANEOUS	.00	17,756.90	564.84	17,192.06	17,192.06
140-72-742-836-0000-000-422-513130-					
WAGES - OT - FIRE	.00	4,390.86	.00	4,390.86	4,390.86
140-72-742-836-0000-000-422-520110-					
EMP FB - MEDICAL	.00	9,919.45	.00	9,919.45	9,919.45

ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 140

ACCOUNT	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
140-72-742-836-0000-000-422-520120-EMP FB - DENTAL	.00	2,733.18	.00	2,733.18	2,733.18
140-72-742-836-0000-000-422-520130-EMP FB - CASH-IN-LIEU	.00	6,314.72	.00	6,314.72	6,314.72
140-72-742-836-0000-000-422-520140-EMP FB - LIFE INSURANCE	.00	150.09	.00	150.09	150.09
140-72-742-836-0000-000-422-520210-EMP FB - MEDICARE	.00	3,347.23	83.91	3,263.32	3,263.32
140-72-742-836-0000-000-422-520220-EMP FB - SRIP	.00	2,238.55	.00	2,238.55	2,238.55
140-72-742-836-0000-000-422-520340-EMP FB - PERS - FIRE	.00	131,804.75	3,544.13	128,260.62	128,260.62
140-72-742-836-0000-000-422-520410-EMP FB - OPEB - RETIREE MEDICA	.00	9,537.87	240.30	9,297.57	9,297.57
140-72-742-836-0000-000-422-520510-EMP FB - WORKERS COMPENSATION	.00	23,749.30	598.34	23,150.96	23,150.96
140-72-742-836-0000-000-422-520520-EMP FB - TERMINAL PAYOUT	.00	7,885.48	204.38	7,681.10	7,681.10
140-72-742-836-0000-000-422-520530-EMP FB - ALLOWANCES	.00	1,630.43	40.70	1,589.73	1,589.73
140-72-742-836-0000-000-422-520540-EMP FB - COMMUTER CHECK	.00	226.71	.00	226.71	226.71
140-72-742-836-0000-000-422-520550-EMP FB - OTHER FRINGE BENEFITS	.00	2,226.10	57.77	2,168.33	2,168.33
140-72-742-837-0000-000-423-511170-WAGES - REG - OTHER COMP	.00	38,100.00	.00	38,100.00	38,100.00
140-72-742-837-0000-000-423-513110-WAGES - OT - MISCELLANEOUS	.00	853,943.45	14,586.83	839,356.62	839,356.62
140-72-742-837-0000-000-423-520110-EMP FB - MEDICAL	.00	20,130.87	1,098.07	19,032.80	19,032.80
140-72-742-837-0000-000-423-520120-EMP FB - DENTAL	.00	2,476.87	241.51	2,235.36	2,235.36
140-72-742-837-0000-000-423-520140-EMP FB - LIFE INSURANCE	.00	110.88	.00	110.88	110.88
140-72-742-837-0000-000-423-520210-EMP FB - MEDICARE	.00	12,836.57	208.41	12,628.16	12,628.16
140-72-742-837-0000-000-423-520220-EMP FB - SRIP	.00	7,636.32	6.56	7,629.76	7,629.76
140-72-742-837-0000-000-423-520340-EMP FB - PERS - FIRE	.00	11.64	.00	11.64	11.64
140-72-742-837-0000-000-423-520410-EMP FB - OPEB - RETIREE MEDICA	.00	37.58	1,462.01	-1,424.43	-1,424.43
140-72-742-837-0000-000-423-520510-EMP FB - WORKERS COMPENSATION	.00	57,067.63	3,034.03	54,033.60	54,033.60
140-72-742-837-0000-000-423-520520-EMP FB - TERMINAL PAYOUT	.00	29.06	1,128.38	-1,099.32	-1,099.32
140-72-742-837-0000-000-423-520540-EMP FB - COMMUTER CHECK	.00	251.94	.00	251.94	251.94
140-72-742-837-0000-000-423-520550-EMP FB - OTHER FRINGE BENEFITS	.00	8.22	318.68	-310.46	-310.46
140-72-742-837-0000-000-423-612410-PROF SVCS - PHYS AND MED PROF	.00	72,000.00	.00	72,000.00	72,000.00
140-72-742-837-0000-000-423-632120-					



ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 140

ACCOUNT ACCOUNT NAME	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
COMM SVCS - TELE - CELLULAR 140-72-742-837-0000-000-423-642990-	.00	6,207.75	.00	6,207.75	6,207.75
SUPPL - FIELD - OTHER 140-72-742-837-0000-000-423-651110-	.00	70,000.00	.00	70,000.00	70,000.00
NON-CAP - COMP, SOFTWARE & OFE 140-72-744-000-0000-000-427-511110-	.00	10,166.18	.00	10,166.18	10,166.18
WAGES - REG - MONTHLY MISC 140-72-744-000-0000-000-427-511130-	.00	290,919.48	14,133.40	276,786.08	276,786.08
WAGES - REG - FIRE 140-72-744-000-0000-000-427-512110-	.00	241,356.87	8,605.85	232,751.02	232,751.02
WAGES - HOURLY 140-72-744-000-0000-000-427-513110-	.00	193.86	.00	193.86	193.86
WAGES - OT - MISCELLANEOUS 140-72-744-000-0000-000-427-520110-	.00	13,880.12	.00	13,880.12	13,880.12
EMP FB - MEDICAL 140-72-744-000-0000-000-427-520120-	.00	86,722.03	1,034.05	85,687.98	85,687.98
EMP FB - DENTAL 140-72-744-000-0000-000-427-520130-	.00	5,871.83	63.99	5,807.84	5,807.84
EMP FB - CASH-IN-LIEU 140-72-744-000-0000-000-427-520140-	.00	4,031.90	294.30	3,737.60	3,737.60
EMP FB - LIFE INSURANCE 140-72-744-000-0000-000-427-520210-	.00	251.08	1.98	249.10	249.10
EMP FB - MEDICARE 140-72-744-000-0000-000-427-520220-	.00	7,125.17	294.05	6,831.12	6,831.12
EMP FB - SRIP 140-72-744-000-0000-000-427-520310-	.00	7,498.04	164.64	7,333.40	7,333.40
EMP FB - PERS - MISC 140-72-744-000-0000-000-427-520340-	.00	102,192.48	4,925.19	97,267.29	97,267.29
EMP FB - PERS - FIRE 140-72-744-000-0000-000-427-520350-	.00	132,326.60	4,714.30	127,612.30	127,612.30
EMP FB - PARS 140-72-744-000-0000-000-427-520410-	.00	7.26	.00	7.26	7.26
EMP FB - OPEB - RETIREE MEDICA 140-72-744-000-0000-000-427-520510-	.00	15,781.59	647.89	15,133.70	15,133.70
EMP FB - WORKERS COMPENSATION 140-72-744-000-0000-000-427-520520-	.00	26,699.94	1,004.00	25,695.94	25,695.94
EMP FB - TERMINAL PAYOUT 140-72-744-000-0000-000-427-520530-	.00	13,230.10	550.93	12,679.17	12,679.17
EMP FB - ALLOWANCES 140-72-744-000-0000-000-427-520540-	.00	1,395.28	42.49	1,352.79	1,352.79
EMP FB - COMMUTER CHECK 140-72-744-000-0000-000-427-520550-	.00	1,214.28	.00	1,214.28	1,214.28
EMP FB - OTHER FRINGE BENEFITS 140-72-744-000-0000-000-427-612990-	.00	8,101.11	368.15	7,732.96	7,732.96
PROF SVCS - MISCELLANEOUS 140-72-744-000-0000-000-427-621130-	.00	130.00	.00	130.00	130.00
UTILITIES - REFUSE 140-72-744-000-0000-000-427-632110-	.00	498.00	.00	498.00	498.00
COMM SVCS - TELE - LANDLINE 140-72-744-000-0000-000-427-634120-	.00	2,777.44	.00	2,777.44	2,777.44
TRAIN AND CONF - REGISTRATION 140-72-744-000-0000-000-427-634210-	.00	2,719.00	.00	2,719.00	2,719.00
TRAVEL - AIRFARE	.00	217.20	.00	217.20	217.20



ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 140

ACCOUNT	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
ACCOUNT NAME					
140-72-744-000-0000-000-427-634220-TRAVEL - LODGING	.00	1,226.42	.00	1,226.42	1,226.42
140-72-744-000-0000-000-427-634230-TRAVEL - OTHER TRANSPORTATION	.00	327.03	.00	327.03	327.03
140-72-744-000-0000-000-427-634240-TRAVEL - MEALS	.00	384.00	.00	384.00	384.00
140-72-744-000-0000-000-427-635110-PRINTING AND BINDING	.00	300.52	.00	300.52	300.52
140-72-744-000-0000-000-427-637110-GOV PMTS - PERMIT FEES	.00	194.20	.00	194.20	194.20
140-72-744-000-0000-000-427-641110-SUPPLIES - OFFICE	.00	633.13	.00	633.13	633.13
140-72-744-000-0000-000-427-643110-SUPPLIES - BOOKS AND SUBSCRIP	.00	774.54	.00	774.54	774.54
140-72-744-000-0000-000-427-651110-NON-CAP - COMP, SOFTWARE & OFE	.00	48,167.06	.00	48,167.06	48,167.06
140-72-744-000-0000-000-427-651990-NON-CAP - MISCELLANEOUS	.00	5,329.53	.00	5,329.53	5,329.53
TOTALS FOR FUND 140					
MEAS GG - FIRE PREPARATION TAX	.00	5,327,268.49	94,482.07	5,232,786.42	5,232,786.42

FY2022 Measure FF - Year End Actuals

Division/Expense Type	Sum of AMOUNT	FY2022 Budget
EMS	\$ 828,668.63	\$ 1,967,132
CAP - FA - MACHINERY & EQUIPME	\$ 159,635.58	
CAP - FA - VEHICLES	\$ 66,158.52	
NON-CAP - FURNITURE & FIXTURE	\$ 3,340.58	
NON-CAP - MISCELLANEOUS	\$ 3,173.16	
OT	\$ 99,644.73	
PROPERTY REPAIRS & MAINT	\$ 4,985.58	
SUPPL - FIELD - OTHER	\$ 21,671.90	
SALARIES & BENEFITS	\$ 470,058.58	
Fire Prevention	\$ 78.88	
SUPPLIES - FOOD - NON-EMPLOYEE	\$ 78.88	
Operations/Administration	\$ 518,157.74	\$ 1,312,430
CAP - FA - FURNITURE & FIXTURE	\$ -	
NON-CAP - COMP, SOFTWARE & OFE	\$ 32,658.12	
NON-CAP - FURNITURE & FIXTURE	\$ 4,448.59	
PROF SVCS - MISCELLANEOUS	\$ 346,638.08	
SUPPL - FIELD - TOOLS AND PART	\$ 509.58	
SUPPLIES - OTHER	\$ 102,200.84	
TRAIN AND CONF - REGISTRATION	\$ 1,741.62	
TRAIN AND CONF - TRAIN COSTS	\$ 29,820.00	
TRAVEL - OTHER TRANSPORTATION	\$ 87.00	
Suppression	\$ 318,012.01	
OT	\$ 227,125.10	
PROF SVCS - MISCELLANEOUS	\$ 72,181.25	
SUPPLIES - OFFICE	\$ 62.80	
SALARIES & BENEFITS	\$ 18,642.86	
Training	\$ 73,128.45	\$ 4,388,815
NON-CAP - COMP, SOFTWARE & OFE	\$ 10,238.39	
PROF SVCS - MISCELLANEOUS	\$ 49,912.72	
SUPPL - FIELD - TOOLS AND PART	\$ 250.34	
SUPPLIES - BOOKS AND SUBSCRIP	\$ 4,911.52	
SUPPLIES - OFFICE	\$ 1,101.40	
SUPPLIES - OTHER	\$ 1,027.11	
TRAIN AND CONF - TRAIN COSTS	\$ 5,622.50	
Transfer to Paramics Tax	\$ 757,925.00	\$ 690,000
OPERATING TRANSFER OUT TO 011	\$ 757,925.00	
WUI	\$ 1,530,015.01	\$ 4,225,452
CAP - FA - VEHICLES	\$ 0.00	
COMM SVCS - TELE - CELLULAR	\$ 7,115.88	
FEEES - PROF DUES AND FEES	\$ 230.52	
INT SVC - CITY PKG PERMITS	\$ 24,375.00	
NON-CAP - COMP, SOFTWARE & OFE	\$ 102,273.00	

NON-CAP - MISCELLANEOUS	\$	18,929.10	
OT	\$	1,659.44	
PRINTING AND BINDING	\$	10,901.02	
PROF SVCS - MISCELLANEOUS	\$	616,533.92	
SUPPLIES - OTHER	\$	1,941.25	
SALARIES & BENEFITS	\$	746,055.88	
Dispatch	\$	-	\$ 241,676
Grand Total	\$	4,025,985.72	\$ 12,825,506

ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 164

ACCOUNT NAME	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
164-72-742-834-0000-000-422-612990- PROF SVCS - MISCELLANEOUS	.00	378,620.08	31,982.00	346,638.08	346,638.08
164-72-742-834-0000-000-422-634110- TRAIN AND CONF - TRAIN COSTS	.00	29,820.00	.00	29,820.00	29,820.00
164-72-742-834-0000-000-422-634120- TRAIN AND CONF - REGISTRATION	.00	1,741.62	.00	1,741.62	1,741.62
164-72-742-834-0000-000-422-634230- TRAVEL - OTHER TRANSPORTATION	.00	87.00	.00	87.00	87.00
164-72-742-834-0000-000-422-639130- COURIER AND DELIVERY SERVICES	.00	53.91	.00	53.91	53.91
164-72-742-834-0000-000-422-642120- SUPPL - FIELD - TOOLS AND PART	.00	509.58	.00	509.58	509.58
164-72-742-834-0000-000-422-649990- SUPPLIES - OTHER	.00	102,200.84	.00	102,200.84	102,200.84
164-72-742-834-0000-000-422-651110- NON-CAP - COMP, SOFTWARE & OFE	.00	32,658.12	.00	32,658.12	32,658.12
164-72-742-834-0000-000-422-651120- NON-CAP - FURNITURE & FIXTURE	.00	4,448.59	.00	4,448.59	4,448.59
164-72-742-834-0000-000-422-664130- CAP - FA - FURNITURE & FIXTURE	.00	4,448.59	4,448.59	.00	.00
164-72-742-835-0000-000-422-513130- WAGES - OT - FIRE	.00	227,125.10	.00	227,125.10	227,125.10
164-72-742-835-0000-000-422-520110- EMP FB - MEDICAL	.00	.00	9.85	-9.85	-9.85
164-72-742-835-0000-000-422-520120- EMP FB - DENTAL	.00	.00	28.83	-28.83	-28.83
164-72-742-835-0000-000-422-520210- EMP FB - MEDICARE	.00	3,278.45	.00	3,278.45	3,278.45
164-72-742-835-0000-000-422-520220- EMP FB - SRIP	.00	400.06	.00	400.06	400.06
164-72-742-835-0000-000-422-520410- EMP FB - OPEB - RETIREE MEDICA	.00	.00	54.84	-54.84	-54.84
164-72-742-835-0000-000-422-520510- EMP FB - WORKERS COMPENSATION	.00	15,086.22	63.46	15,022.76	15,022.76
164-72-742-835-0000-000-422-520520- EMP FB - TERMINAL PAYOUT	.00	.00	42.33	-42.33	-42.33
164-72-742-835-0000-000-422-520540- EMP FB - COMMUTER CHECK	.00	89.40	.00	89.40	89.40
164-72-742-835-0000-000-422-520550- EMP FB - OTHER FRINGE BENEFITS	.00	.00	11.96	-11.96	-11.96
164-72-742-835-0000-000-422-612990- PROF SVCS - MISCELLANEOUS	.00	72,181.25	.00	72,181.25	72,181.25
164-72-742-835-0000-000-422-641110- SUPPLIES - OFFICE	.00	62.80	.00	62.80	62.80
164-72-742-836-0000-000-422-612990- PROF SVCS - MISCELLANEOUS	.00	49,912.72	.00	49,912.72	49,912.72
164-72-742-836-0000-000-422-634110- TRAIN AND CONF - TRAIN COSTS	.00	5,622.50	.00	5,622.50	5,622.50
164-72-742-836-0000-000-422-634240- TRAVEL - MEALS	.00	64.47	.00	64.47	64.47
164-72-742-836-0000-000-422-641110- SUPPLIES - OFFICE	.00	1,101.40	.00	1,101.40	1,101.40
164-72-742-836-0000-000-422-642120-					

ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 164

ACCOUNT	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
SUPPL - FIELD - TOOLS AND PART	.00	250.34	.00	250.34	250.34
164-72-742-836-0000-000-422-643110-					
SUPPLIES - BOOKS AND SUBSCRIP	.00	4,911.52	.00	4,911.52	4,911.52
164-72-742-836-0000-000-422-649990-					
SUPPLIES - OTHER	.00	1,027.11	.00	1,027.11	1,027.11
164-72-742-836-0000-000-422-651110-					
NON-CAP - COMP, SOFTWARE & OFE	.00	10,238.39	.00	10,238.39	10,238.39
164-72-742-837-0000-000-423-511130-					
WAGES - REG - FIRE	.00	239,161.09	.00	239,161.09	239,161.09
164-72-742-837-0000-000-423-513110-					
WAGES - OT - MISCELLANEOUS	.00	4,815.11	.00	4,815.11	4,815.11
164-72-742-837-0000-000-423-513130-					
WAGES - OT - FIRE	.00	94,850.30	20.68	94,829.62	94,829.62
164-72-742-837-0000-000-423-520110-					
EMP FB - MEDICAL	.00	36,096.20	124.25	35,971.95	35,971.95
164-72-742-837-0000-000-423-520120-					
EMP FB - DENTAL	.00	2,554.80	94.69	2,460.11	2,460.11
164-72-742-837-0000-000-423-520140-					
EMP FB - LIFE INSURANCE	.00	139.00	.00	139.00	139.00
164-72-742-837-0000-000-423-520210-					
EMP FB - MEDICARE	.00	4,536.27	.30	4,535.97	4,535.97
164-72-742-837-0000-000-423-520220-					
EMP FB - SRIP	.00	4,677.47	1.30	4,676.17	4,676.17
164-72-742-837-0000-000-423-520340-					
EMP FB - PERS - FIRE	.00	132,337.19	.00	132,337.19	132,337.19
164-72-742-837-0000-000-423-520410-					
EMP FB - OPEB - RETIREE MEDICA	.00	9,913.84	194.02	9,719.82	9,719.82
164-72-742-837-0000-000-423-520510-					
EMP FB - WORKERS COMPENSATION	.00	29,561.38	90.41	29,470.97	29,470.97
164-72-742-837-0000-000-423-520520-					
EMP FB - TERMINAL PAYOUT	.00	7,822.41	149.32	7,673.09	7,673.09
164-72-742-837-0000-000-423-520530-					
EMP FB - ALLOWANCES	.00	1,658.58	.00	1,658.58	1,658.58
164-72-742-837-0000-000-423-520540-					
EMP FB - COMMUTER CHECK	.00	91.90	.00	91.90	91.90
164-72-742-837-0000-000-423-520550-					
EMP FB - OTHER FRINGE BENEFITS	.00	2,204.91	42.17	2,162.74	2,162.74
164-72-742-837-0000-000-423-624110-					
PROPERTY REPAIRS & MAINT	.00	4,985.58	.00	4,985.58	4,985.58
164-72-742-837-0000-000-423-642990-					
SUPPL - FIELD - OTHER	.00	21,671.90	.00	21,671.90	21,671.90
164-72-742-837-0000-000-423-651120-					
NON-CAP - FURNITURE & FIXTURE	.00	3,340.58	.00	3,340.58	3,340.58
164-72-742-837-0000-000-423-651990-					
NON-CAP - MISCELLANEOUS	.00	3,173.16	.00	3,173.16	3,173.16
164-72-742-837-0000-000-423-664110-					
CAP - FA - MACHINERY & EQUIPME	.00	159,635.58	.00	159,635.58	159,635.58
164-72-742-837-0000-000-423-664120-					
CAP - FA - VEHICLES	.00	69,331.68	3,173.16	66,158.52	66,158.52
164-72-743-000-0000-000-422-644110-					
SUPPLIES - FOOD - NON-EMPLOYEE	.00	78.88	.00	78.88	78.88
164-72-745-000-0000-000-422-511130-					
WAGES - REG - FIRE	.00	41,895.76	.00	41,895.76	41,895.76

ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 164

ACCOUNT ACCOUNT NAME	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
164-72-745-000-0000-000-422-512110- WAGES - HOURLY	.00	629,014.30	.00	629,014.30	629,014.30
164-72-745-000-0000-000-422-513110- WAGES - OT - MISCELLANEOUS	.00	1,659.44	.00	1,659.44	1,659.44
164-72-745-000-0000-000-422-520110- EMP FB - MEDICAL	.00	2,333.08	.00	2,333.08	2,333.08
164-72-745-000-0000-000-422-520120- EMP FB - DENTAL	.00	851.60	.00	851.60	851.60
164-72-745-000-0000-000-422-520130- EMP FB - CASH-IN-LIEU	.00	1,397.52	.00	1,397.52	1,397.52
164-72-745-000-0000-000-422-520140- EMP FB - LIFE INSURANCE	.00	37.28	.00	37.28	37.28
164-72-745-000-0000-000-422-520210- EMP FB - MEDICARE	.00	9,697.16	.00	9,697.16	9,697.16
164-72-745-000-0000-000-422-520220- EMP FB - SRIP	.00	2,110.16	.00	2,110.16	2,110.16
164-72-745-000-0000-000-422-520340- EMP FB - PERS - FIRE	.00	23,517.53	.00	23,517.53	23,517.53
164-72-745-000-0000-000-422-520410- EMP FB - OPEB - RETIREE MEDICA	.00	1,893.16	.00	1,893.16	1,893.16
164-72-745-000-0000-000-422-520510- EMP FB - WORKERS COMPENSATION	.00	30,927.43	.00	30,927.43	30,927.43
164-72-745-000-0000-000-422-520520- EMP FB - TERMINAL PAYOUT	.00	1,523.06	.00	1,523.06	1,523.06
164-72-745-000-0000-000-422-520530- EMP FB - ALLOWANCES	.00	420.03	.00	420.03	420.03
164-72-745-000-0000-000-422-520540- EMP FB - COMMUTER CHECK	.00	12.94	.00	12.94	12.94
164-72-745-000-0000-000-422-520550- EMP FB - OTHER FRINGE BENEFITS	.00	424.87	.00	424.87	424.87
164-72-745-000-0000-000-422-612990- PROF SVCS - MISCELLANEOUS	.00	616,533.92	.00	616,533.92	616,533.92
164-72-745-000-0000-000-422-632120- COMM SVCS - TELE - CELLULAR	.00	7,115.88	.00	7,115.88	7,115.88
164-72-745-000-0000-000-422-635110- PRINTING AND BINDING	.00	10,901.02	.00	10,901.02	10,901.02
164-72-745-000-0000-000-422-639120- FEES - PROF DUES AND FEES	.00	230.52	.00	230.52	230.52
164-72-745-000-0000-000-422-649990- SUPPLIES - OTHER	.00	1,941.25	.00	1,941.25	1,941.25
164-72-745-000-0000-000-422-651110- NON-CAP - COMP, SOFTWARE & OFE	.00	102,273.00	.00	102,273.00	102,273.00
164-72-745-000-0000-000-422-651990- NON-CAP - MISCELLANEOUS	.00	19,429.10	500.00	18,929.10	18,929.10
164-72-745-000-0000-000-422-664120- CAP - FA - VEHICLES	.00	19,429.10	19,429.10	.00	.00
164-72-745-000-0000-000-422-670190- INT SVC - CITY PKG PERMITS	.00	24,375.00	.00	24,375.00	24,375.00
164-99-900-900-0000-000-491-681011- OPERATING TRANSFER OUT TO 011	.00	757,925.00	.00	757,925.00	757,925.00



ACCOUNT SUMMARY TRIAL BALANCE FOR FY22/JUL TO EOY

FUND 164

ACCOUNT

ACCOUNT NAME	BEG. BALANCE	DEBITS	CREDITS	NET CHANGE	END BALANCE
TOTALS FOR FUND 164					
MEASURE FF - PUBLIC SAFETY	.00	4,086,446.98	60,461.26	4,025,985.72	4,025,985.72



Office of the City Manager

August 29, 2022

To: Honorable Mayor and Members of the City Council

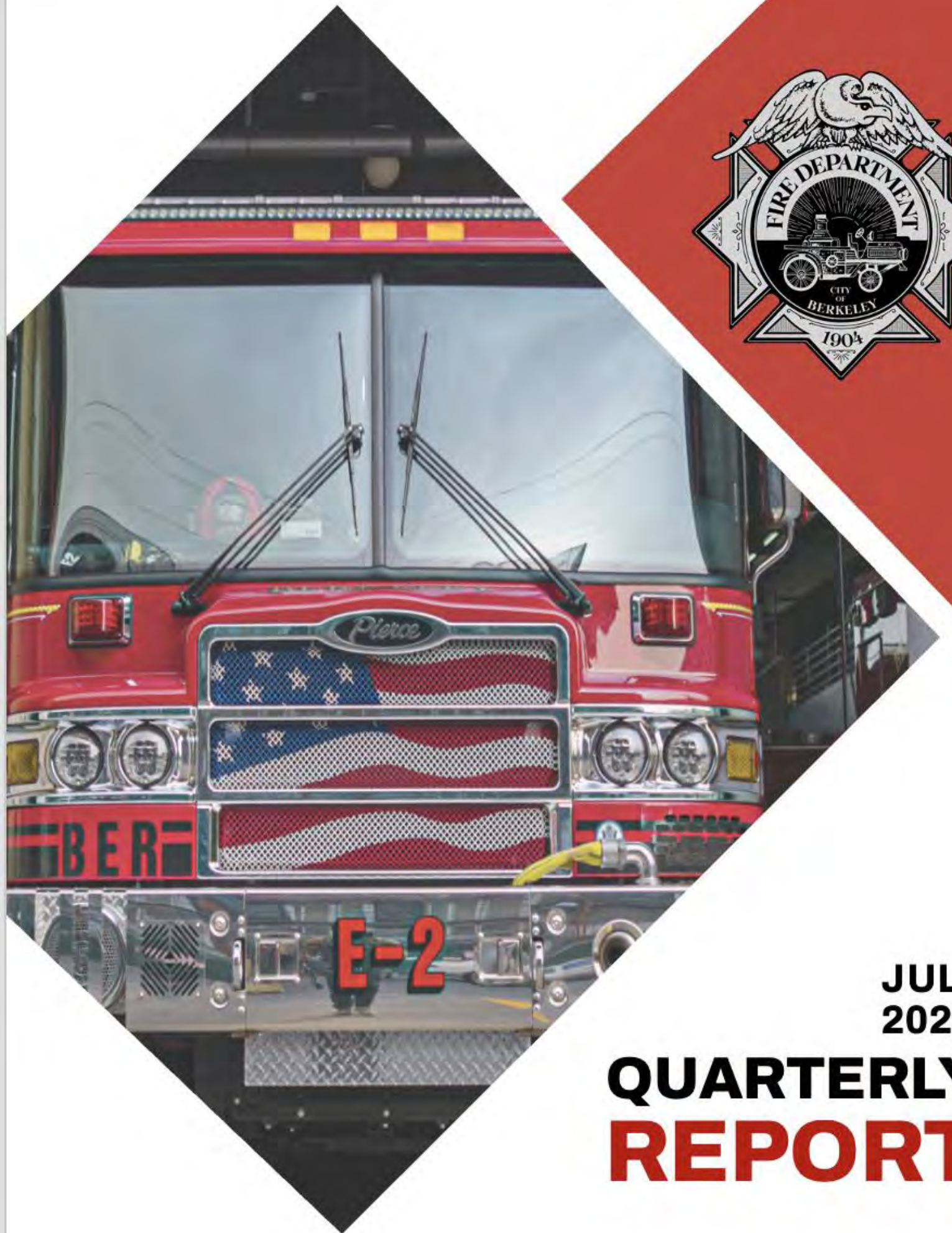
From: *Dee* Dee Williams-Ridley, City Manager

Re: Berkeley Fire Department Quarterly Report

Attached you will find the Berkeley Fire Department's report for the last quarter of FY22. The goal in producing this report is to increase the transparency of the Department and provide concise yet detailed updates on the programs and projects which the Department is currently engaged. The Department's plan is to continue to update this document quarterly and we welcome any feedback on improvements that would make it more useful to you.

Attachment: Berkeley Fire Department Quarterly Report July 2022

cc: Disaster and Fire Safety Commission
Dee Williams-Ridley, City Manager
Paul Buddenhagen, Deputy City Manager
LaTanya Bellow, Deputy City Manager
David Sprague, Interim Fire Chief
Jenny Wong, City Auditor
Mark Numainville, City Clerk
Matthai Chakko, Assistant to the City Manager



**JULY
2022**

QUARTERLY REPORT



OFFICE OF THE FIRE CHIEF AND ADMINISTRATION	3
PROJECT 1: DISPATCH COMMUNICATIONS REORGANIZATION.....	3
PROJECT 2: STANDARDS OF COVERAGE.....	4
PROJECT 3: PROJECT MANAGEMENT & SUBJECT MATTER EXPERTISE.....	4
PROJECT 4: FIRE FACILITIES MASTER PLAN (FMP).....	5
PROJECT 5: FIRE STATION SOLAR & LIGHTING TRANSITION.....	6
ADMINISTRATIVE AND FISCAL SERVICES UNIT	7
PROJECT 6: ERMA IMPLEMENTATION & TRAINING.....	7
PROJECT 8: RIGHT-SIZING STAFFING IN ADMINISTRATIVE & FISCAL SERVICES UNIT.....	8
PROJECT 9: CONTRACT MANAGEMENT.....	8
PROJECT 11: PROJECT MANAGER BUDGETING.....	9
OPERATIONS DIVISION.....	10
PROJECT 12: MANAGING OVERTIME.....	10
PROJECT 13: CANCER PREVENTION.....	12
PROJECT 14: EMPLOYEE HEALTH & WELLNESS	12
EMERGENCY MEDICAL SERVICES (EMS) DIVISION	14
PROJECT 15: TRACKING & PREDICTING CHANGES TO CALL VOLUME	14
PROJECT 17: EMS STAFFING & DEPLOYMENT REDESIGN	16
PROJECT 18: NEW JOB CLASSIFICATIONS	16
PROJECT 19: MANAGING INCREASING AMBULANCE PATIENT OFFLOAD TIME (APOT).....	16
PROJECT 20: PROJECT 17: EMERGENCY MEDICAL SERVICE (EMS) COORDINATOR JOB CLASSIFICATION	17
FIRE PREVENTION DIVISION	19
PROJECT 21: STRUCTURE FIRE INSPECTIONS	19
WILDLAND URBAN INTERFACE DIVISION	20
PROJECT 22: COMMUNITY WILDFIRE PROTECTION PLAN (CWPP)	20
PROJECT 23: WILDFIRE SAFETY INSPECTIONS	21
PROJECT 24: EXPANDING FIREWISE PROGRAMS	21
PROJECT 25: FIRE RISK REDUCTION COMMUNITY LIST	22
TRAINING DIVISION	23
PROJECT 26: ENHANCED STAFFING.....	23
PROJECT 27: ALBANY FIRE PARTNERSHIP.....	23
PROJECT 28: ENTRY-LEVEL FIREFIGHTER RECRUITMENT.....	24
PROJECT 29: REGIONAL LEADERSHIP ACADEMY	24
PROJECT 30: BI-COUNTY REGIONAL TRAINING CONSORTIUM.....	24
PROJECT 31: LAND ACQUISITION FOR TRAINING FACILITY.....	25
OFFICE OF EMERGENCY SERVICES.....	26
PROJECT 32: EVACUATIONS & WARNING SYSTEMS.....	26



OFFICE OF THE FIRE CHIEF AND ADMINISTRATION

The Office of The Fire Chief directs the City's fire prevention, suppression, and emergency medical service programs. This office conducts planning and budgeting, maintains the labor-management relationship, supports city management, and fosters cooperative working relationships with community groups and other agencies.

Problem Statement: The Office of the Fire Chief struggles to manage daily operations, strategic planning, projects, and programs. The most significant challenge is overseeing operational and programmatic priorities following recruitment and hiring challenges related to the pandemic.

PROJECT 1: Dispatch Communications Reorganization

Summary

The Berkeley Emergency Communications Center contracted Federal Engineering Inc. to conduct a comprehensive needs assessment to complete City Council's request to enhance operations to meet the community's growing needs under the omnibus reimagining package. The project will examine existing dispatch capabilities and the City's goals to develop a gap analysis and path forward on how to triage calls, divert non-emergency calls—including mental health calls—to appropriate resources, and implement the delivery of emergency medical instructions to callers.

Federal Engineering Consultants' work will result in a wide-ranging plan to adjust daily operations to align with evolving emergency medical response needs. Their work will include recommendations for:

- a more appropriate staffing model,
- additional hardware and software,
- how to implement pre-arrival and emergency medical dispatch systems,
- how to divert sub-acute calls to the most appropriate resource,
- improved training plan for dispatchers, and
- facility enhancements to the dispatch center over the next 36 months.

Quarter 1-3: Federal Engineering (FE) Inc. initiated Phase I on January 20, 2022. Their consultants conducted an onsite visit complete with staff interviews, focus groups, and an evaluation of the physical space. They have also completed onsite visits, interviews, and observations in Piedmont Police and Fire Departments and Albany Fire Department. City staff collected relevant data, documentation, and information to assist FE with establishing a baseline analysis of communications operations and technology.



Quarter 4: FE conducted follow-up interviews with various City staff, reviewed and analyzed collected data and documentation, and initiated the draft report.

Expected Completion: Phase I, September 2022 – Phase II (Implementation) FY25-26

PROJECT 2: Standards of Coverage

Summary

The Department is undergoing an in-depth analysis of fixed and mobile resources to determine if the City is meeting national standards for call processing and response times and to determine the best deployment model to achieve a more effective response force with a focus on efficiency.

Quarter 1-3: The Department provided the consultant with the necessary data to conduct the initial standards of cover analysis and presented a mid-project result to City Council on April 19th. Quarter 4: City Gate consultants completed the risk assessment and since included an assessment of the Lawrence Berkeley National Laboratory and University of California, Berkeley's growth plans and the City's growth trends.

Expected Completion: Fall 2022

PROJECT 3: Project Management & Subject Matter Expertise

Summary

The Department onboarded a project management team to assist with long-term project planning, provide subject matter experts (SMEs) with specialized knowledge the Department doesn't currently have access to, and help ensure project goals and objectives consistently meet deadlines. Project management support is ongoing and has and will continue to be critical to improving organization, efficiency, and transparency. The contracted project managers continued providing support to organize complex recurring processes like recruitment and personnel transactions (promotions, resignations, retirements) to retain institutional knowledge and refine and improve these processes.

Quarter 1-3: Since October 2021, Ganey Science consultants (Ganey) have provided consulting assistance to the Department with program management of multiple Departmental projects and initiatives. Overall, the Ganey project management team (PMT) and SMEs organized Department projects using Smartsheet project management platform. Specific project assistance includes:

- Enhancement of Fire and Emergency Medical Service (EMS) Staffing and Deployment. The Ganey team assisted with staffing through the development of a recruitment plan, marketing videos, a specialized website, and strategic social media posts. Ganey is also assisting with the development of a single-function paramedic academy curriculum.



- Risk Mitigation in the City's Wildland Urban Interface (WUI) Areas. Ganey assisted with WUI risk mitigation through the development of a newsletter, postcards, and trifold brochure and has provided some assistance with grant application development for work in the WUI.
- Acquisition and Development of a Multi-Functional Property. Ganey performed a review of environmental studies performed on potential properties to be leased for a multi-functional training facility.
- Upgrade the Fire and EMS Dispatch Center. Ganey has conducted a third-party review of BFD's dispatch consultant's work and has been developing a quality improvement program for dispatch.
- In addition to project management/emergency services consulting support, Ganey has provided specialized technical support in a wide variety of fields, including videography, marketing, information technology, grants management, and environmental planning. The PMT also added SMEs to our contract to assist with EMS quality improvement and developing a Regional Training Consortium.

Quarter 4: Our consultants and SMEs with Ganey Science focused their efforts for BFD on several priority projects including the development of a dispatch Quality Improvement model and presentation, current and future recruitment strategies to help the department target potential applicants, and development of Paramedic entry level Academy curriculum development.

Expected Completion: Ongoing

PROJECT 4: Fire Facilities Master Plan (FMP)

Summary

Six of seven Berkeley Fire stations are undersized, in poor condition, in need of remodels or replacement, and do not meet modern workplace configuration for cancer prevention. The goal of the FMP is to develop a report that will provide leadership with actionable recommendations in preparation for future infrastructure bond measures. Read the scope of service [here](#) and the timeline [here](#).

Quarter 1-3: The Department initiated a long-term replacement planning process to better understand infrastructure needs by collaborating with the Public Works (PW) Department staff and Siegel and Strain Architects, who have expertise in interdisciplinary planning and engineering.

Quarter 4: Department and Consultant staff worked together to determine future facility needs and new building layouts and design for all fire facilities. The team is also developing floor plans for the new proposed BFD administration building and will bring an update to City Council for a work session in the Fall of 2022.

Expected Completion: Ongoing



PROJECT 5: Fire Station Solar & Lighting Transition

Summary

The Department is collaborating with the City's Office of Energy and Sustainable Development and the Energy Efficiency Coordinator to transition stations to use high-efficiency lighting and renewable energy sources.

Quarter 1-3: East Bay Community Energy (EBCE) invited four cities (Berkeley, Fremont, Hayward, and San Leandro) to participate in an innovative pilot procurement partnership to install solar power and storage on critical municipal facilities. Vendors will bid on installing solar power/storage on the portfolio of critical facilities through a long-term (20-year) power purchase agreement (PPA), where the vendor pays the upfront cost of the equipment/installation and owns and operates/maintains the equipment. The City would pay the vendor back on the electricity bill to EBCE using funds from the energy savings.

Quarter 4: High-Efficiency Lighting: All fire facilities except for Station 1 (already completed during a recent remodel) will be receiving high-efficiently lighting upgrades in the coming year.

Solar and Battery: EBCE hired EcoMotion, Inc. to provide technical evaluations of Berkeley's critical facilities. They identified eligibility for facilities that could be included in the PPA and the estimated costs for electrical and solar roof upgrades.

	Fire Station 1	Fire Station 5
Berkeley's Estimated Roof Cost	\$ 28,160	\$ 107,448
Berkeley's Estimated Electrical Costs	\$ 98,649	\$ 53,257
Berkeley's Estimated Total Costs for Upgrades	\$ 126,809	\$ 160,705

Solar PV Size (kW-DC)	22.4	53.8
Battery Storage (kWh)	45	30
Estimated Internal Rate of Return (unlevered pre-tax)	2.12%	10.68%
Estimated % of energy produced, based on current demand	63%	98%

Expected Completion: Ongoing



ADMINISTRATIVE AND FISCAL SERVICES UNIT

The Administrative and Fiscal Services Division supports budget and fiscal policy, payroll, purchasing, administrative systems, record retention compliance, employee training and development, and the labor-management relationship. The Division also oversees strategic planning, grant writing, responses to Public Records Act requests, and performance tracking and reporting.

Problem Statement: The amount and complexity of work have significantly increased over several decades for the Administrative and Fiscal Services Unit, and the Division has not increased staffing. The current staffing model does not allow for redundancy in knowledge and skill, which causes excessive staff overtime (after hours and weekends) and produces a high-stress work environment, especially for time-sensitive recurring tasks, such as payroll.

PROJECT 6: ERMA Implementation & Training

Summary

The Fire Department typically has the most complex payroll system in a city due to the shift schedule, the Fair Labor Standards Act, higher-class pay, shift trades, special team compensation, and multiple schedules that personnel move between. The implementation of ERMA has been challenging for the Department and its payroll staff, which is already challenged with day-to-day operations and has resulted in a significant number of payroll errors and time-consuming research and manual entry. The division is focused on processing payroll, correcting payroll errors, and responding to employee grievances related to ERMA.

Quarter 1-3: Administrative and Fiscal Services Unit staff is diligently training on how to maximize the use of ERMA and mitigate payroll errors. The Department hired a temporary employee in March of 2022, who has focused their energy on addressing the several hundred reported payroll errors that have been logged by employees since the Fall of 2021.

Quarter 4: The Division is hopeful that it will catch up on reported payroll errors by September of 2022.

Expected Completion: Ongoing



PROJECT 8: Right-Sizing Staffing in Administrative & Fiscal Services Unit

Summary

The Division's urgent business need is to enhance staffing to ensure employees are paid correctly, to see that payroll errors are addressed in a timely manner, and to ensure the Division is balanced with institutional knowledge, skills, and abilities. The historical staffing for this Division is inadequate and has led to multiple single points of failure where one employee's absence causes unacceptable impacts on the Fire Department's payroll process.

Quarter 1-3: The Department submitted a request for additional FTE as part of the Department's FY23-24 Budget request and has identified internal funds to help increase staffing within the Division.

Quarter 4: The budget request was approved, and recruitment for these key positions is anticipated to begin in the Fall of 2022.

Expected Completion: FY22

PROJECT 9: Contract Management

Summary

The Division is processing new contracts for service and requisitions for purchases to support the new and ongoing projects funded by Measure FF. There's a critical need for contractual management and support with current staffing levels to keep projects moving forward.

Quarter 1-3: Since July of 2021, the Division has negotiated and processed eleven new contracts, and another six are in process.

Quarter 4: The Division is in the process of finalizing contracts for

- DSI (Fire Aside) for Hazardous Hill Fire Inspection Software
- Royal Ambulance for a Joint Employee Development/Mentoring Program
- Pinnacle for Annual Physicals and Cancer Detection Services
- O2X for Employee Health & Wellness Services
- Silva Business Consulting for Property Consulting.

Expected Completion: Ongoing



PROJECT 11: Project Manager Budgeting

Summary

The Department is implementing a new process flow that delegates budget, purchase authority, and decision-making to the individuals within the organization that manages the program, project, or facility. The Department recognizes an opportunity to streamline processes, further improve the administrative workflow, and prepare staff to develop budget and purchase experience earlier in their career. Previously, all requests were directed to one person in the organization which centralized power and created a bottleneck impeding functional workflow and causing unnecessary busy work.

Quarter 4: Leadership solicited feedback from each program manager on how to improve purchasing process and communication. In FY23, staff will begin a trial using the Department's project management software to track budgets and purchases for two programs.

Expected Completion: FY24



OPERATIONS DIVISION

The Operations Division's objective is the day-to-day delivery of emergency and non-emergency services to the City of Berkeley. This is accomplished through seven firehouses with seven Type I fire engines, two aerial ladder trucks, four advanced life support ambulances, one battalion chief, a Medical Specialist Team, a Hazardous Materials Response Team, two water rescue crafts, and 15 rescue swimmers.

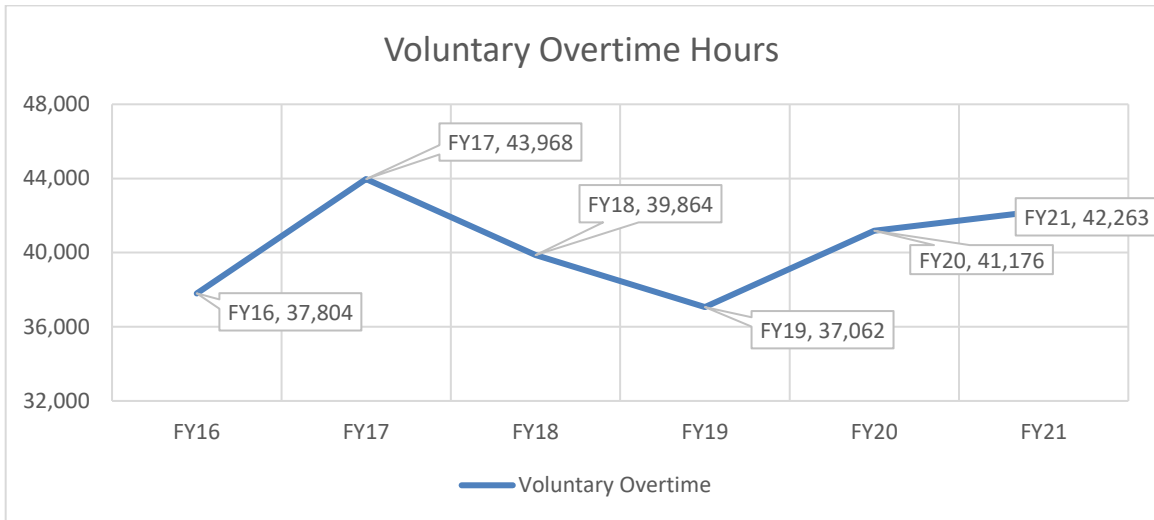
Problem Statement: The Fire Department has been substantially impacted by COVID-19 from FY21 through FY22. In addition to continuing to staff all fire stations through the pandemic, deploying extra staff to assist with community testing, mass vaccination, wildfire season deployment, and in-City special events, the Department is working diligently to recover from the hiring freeze and extra work that was required through the pandemic.

PROJECT 12: Managing Overtime

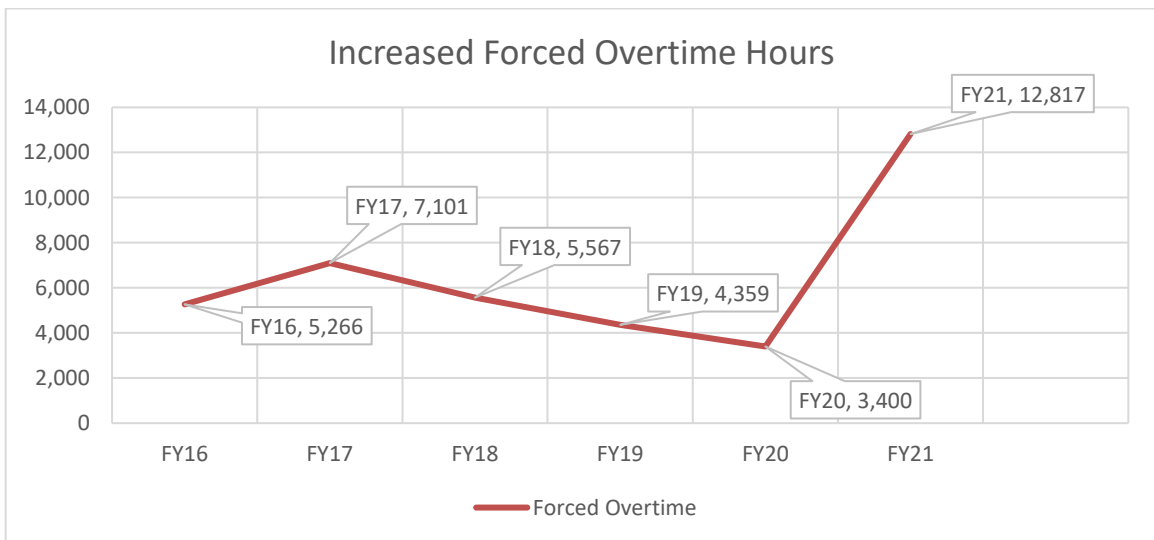
Summary

The fire service is facing the greatest recruitment and retention challenge in over 100 years. For the first time, departments are unable to find qualified firefighters, and permanent staff are changing departments. Substantial investment is needed for firefighter recruitment and training. The average timeline to replace an employee is 12+ months. BFD is challenged with the ability to evaluate our recruitment, training, and retention strategies.

The Voluntary Overtime/Hours table shows the total number of overtime hours worked by fiscal year to maintain minimum staffing in the BFD's fire stations. The more vacancies BFD has, the more overtime will be generated. In late FY18 and through FY19, the Department reached and was able to maintain full staffing levels, and subsequently, the overtime hours for that FY are substantially lower than in adjacent years (when more vacancies existed).



On shifts with significant vacancies and minimum staffing needs to be maintained to keep fire stations open, sworn staff is provided an opportunity to voluntarily sign up for overtime. When staff is not volunteering, there is a mandatory overtime system deployed. The table below shows the increased forced overtime by over 275% since the beginning of the pandemic. This is directly related to (1) the increase in vacancies secondary to the hiring freeze, (2) the increased number of temporary vacancies created by employees that are quarantined from work due to COVID or COVID-related leave, and (3) challenges with a fatigued workforce disinterested in overtime work.





Quarter 4: The open recruitment for the 112th entry-level academy was completed on May 31st; however, the total number of applicants is the lowest the Department has seen. The goal is to hire 16 firefighters to keep up with attrition, and staff is expecting eight to pass background testing.

Expected Completion: Ongoing

PROJECT 13: Cancer Prevention

Summary

Research shows a direct link between fire service work to cancer, and fire departments are experiencing substantially higher rates of illness among active and retired members. The City is committed to improving the work environment for staff. Leadership is exploring industry standards and best practices for personal protective equipment (PPE), workplace engineering, and policies and procedures that prevent or reduce exposure to carcinogens in the workplace.

Quarter 1-3: The Department underwent two Requests for Proposals selecting Pinnacle LLC as its vendor for annual physicals, an effective program for early detection of cancer, and preventative measures. BFD began planning for FY23 physicals.

Quarter 4: The Department purchased additional carcinogen-resistant PPE for all firefighters providing another layer of defense to mitigate exposure to carcinogens in the workplace.

Expected Completion: Ongoing

PROJECT 14: Employee Health & Wellness

Summary

First responders have a higher rate of chronic medical and psychological injury and illness that has been directly correlated to shift work, traumatic experiences, and stress. Post-traumatic stress disorder and depression rates among firefighters have been found to be as much as five times higher than the rates within the civilian population. Employee wellness programs have been proven to reduce healthcare and workers' compensation costs and improve employee health.

Quarter 1-3: The Department published a Request for Proposal and selected O2X as its vendor, and selected a Human Performance Coach to lead a health and wellness program to improve the overall health of staff.

Quarter 4: Members participated in the first personal readiness assessment (RA). The RA provides a score based on self-reported injury history, overall health, mobility and capacity, body fat percentage, and EAT and THRIVE benchmarks. This score helps identify areas of improvement for each member.



Out of a possible 100 points, Berkeley firefighters average score was 62.3

- 24.8% is the average body fat percentage (the "Healthy" range is <24.9%)
- 75% identified at risk of upper extremity and shoulder injury
- 72% state they have previously or currently suffer from an injury
- 55% reported that they perform resistance training less than the recommended minimum of three times per week

Expected Completion: Ongoing



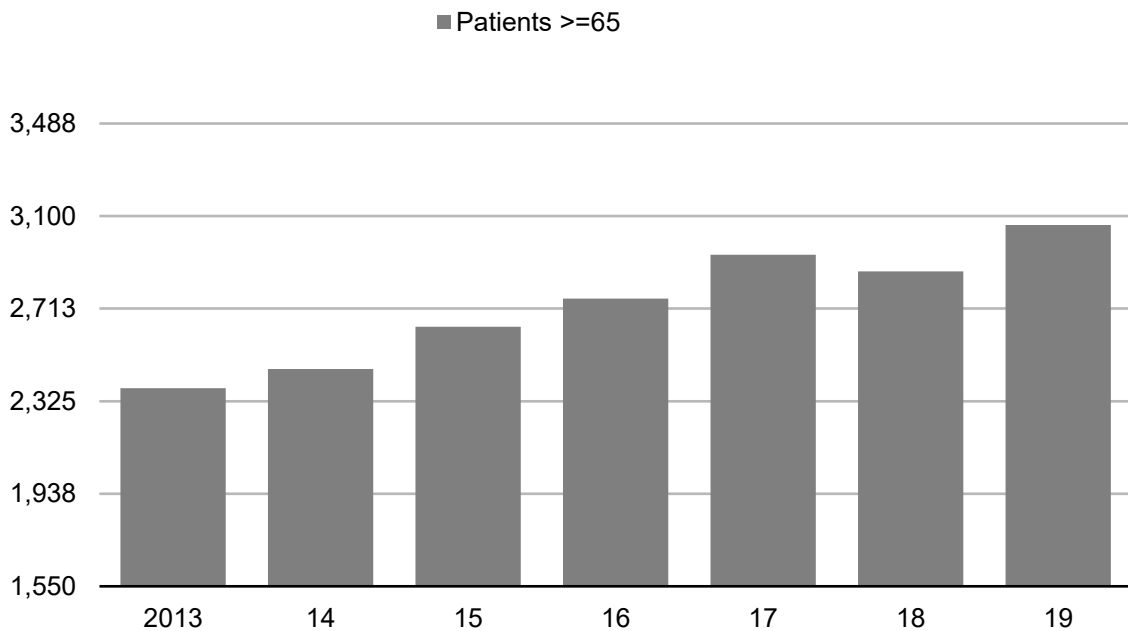
EMERGENCY MEDICAL SERVICES (EMS) DIVISION

The Emergency Medical Services Division oversees the Department's pre-hospital care and treatment program for the Berkeley community. All of Berkeley's seven fire engines, two trucks, and four ambulances are staffed with paramedics. The Division also oversees emergency medical services for large events and may provide standby services or require an event to contract EMS services to minimize the event's impact on the 9-1-1 system.

Problem Statement: Both medical and "other" service calls are consistently increasing and are expected to continue. This is likely due to population growth, population aging, and ongoing development within the City and the University of California campus over the next decade.

PROJECT 15: Tracking & Predicting Changes to Call Volume

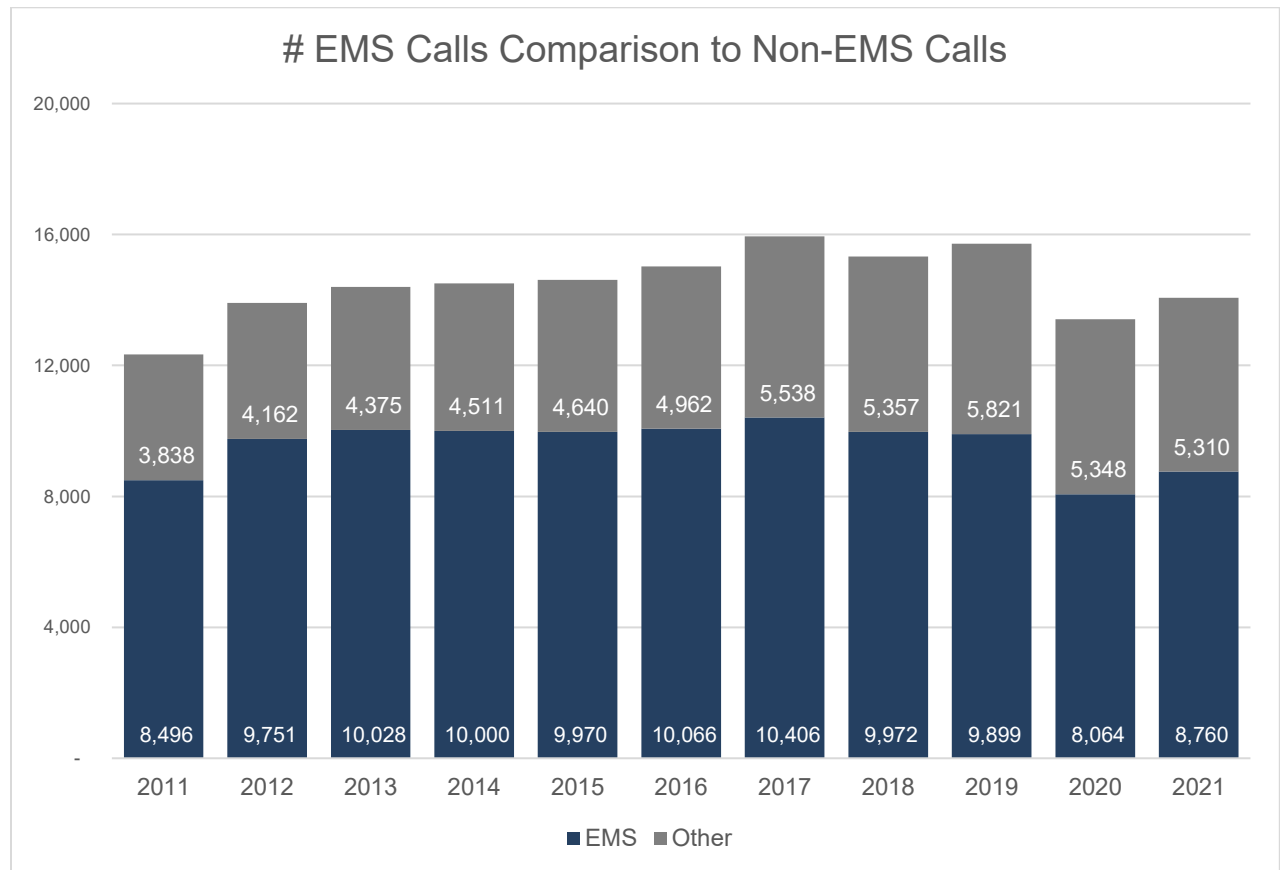
The chart below demonstrates the increase in call volume through 2019. The state of California estimates that the number of those over age 65 will nearly double by 2030 (according to the California State Department of Finance). When examining the population distribution of Berkeley, there is a significant segment of the population between the ages of 51-65 (about 20%) that will move into the center of the highest demand-for-service group by 2030.





Patients between the ages of 18-23, and those over 65, account for roughly half of all the documented patients in Berkeley. If patients over 50 are included, the total increases to approximately 70%. Older age groups are more likely to require transport.

The chart below illustrates a consistent upward trend for medical calls for service over the last decade (2020 & 2021 call volume was lower due to the pandemic).



Summary

The Department will be staffing ambulances with emergency medical technicians (EMTs) and Paramedics through FY25, which will allow the City to deploy additional units and alternative care resources in the most cost-effective and efficient manner.

Quarter 4: Staff is developing a new shift schedule, internal policies and procedures, recruitment process, and academy curriculum for the redesigned EMS deployment model. Once additional ambulances are deployed, the Department can begin to optimize performance based on new operations.



PROJECT 17: EMS Staffing & Deployment Redesign

Summary

A long-planned redesign of EMS staffing aims to mitigate calls for medical services by deploying more appropriate resources. This project is primarily focused on the planning efforts to adjust the ambulance staffing model by replacing traditional firefighter paramedic positions with EMTs and paramedics. Staff is looking at how this model will result in cost savings, allow for more flexibility in shift scheduling, create entry-level positions, and create a pipeline for local youth interested in EMS careers.

Quarter 1-3: Staff explored new ambulance deployment models by adding Basic Life Support (BLS) ambulances staffed with EMTs and alternate methods to triage and assign resources.

Quarter 4: The Department collaborated with labor groups in the development of a new Division staffed with EMTs and Paramedics. The collaboration ensured these new positions align with the Berkeley High School B-STEP Community Technical Education program and improve the organization's ability to attract a diverse workforce. The Personnel Board and the City Council approved said classifications, and the project management consultant finalized the recruitment strategy for FY23 Q1.

Expected Completion: FY25

PROJECT 18: New Job Classifications

Summary

The Department is working with the City Manager's Office, Human Resources, City Attorney, and IAFF Local 1227 on the development and implementation of new job classifications, work schedules, staffing models, recruitment plans, and initial and ongoing curriculum for the academy. The transition to EMTs and Paramedics is expected to start in FY23.

Quarter 1-3: The Limited Term Emergency Medical Technician and Paramedic positions were developed, approved, and added to the CalPERS retirement system.

Quarter 4: The Department underwent recruitment planning for both classifications for FY23.

Expected Completion: Completed

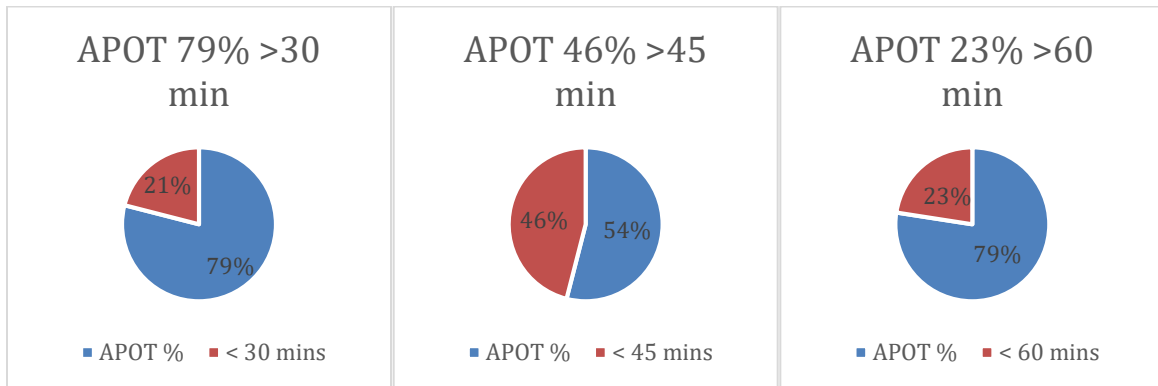
PROJECT 19: Managing Increasing Ambulance Patient Offload Time (APOT)

Summary

One of the major changes that directly affect ambulance Unit Hour Utilization is the increase in physical offloading of patients from the ambulance to a hospital bed. This project is a more in-depth analysis of problem identification and exploration of ways in which BFD can improve APOT times.



Quarter 1-3: BFD staff conducted an analysis to better understand the scope of the problem. The average time an ambulance spent offloading a patient in 2011 was under 38 minutes and has since increased to 47 minutes in 2021. On twenty-three percent of calls, ambulance staff are waiting to offload patients greater than 60 minutes. BFD anticipates a significant increase in offloading times should Sutter close Alta Bates and consolidates to a single facility in Oakland.



Quarter 4: Staff engaged with local hospital administrators and found no measurable interest in working to reduce APOT times at local facilities. The Department and a coalition of other public transport agencies are engaging key stakeholders together at the State level to address this issue.

Expected Completion: Ongoing

PROJECT 20: Project 17: Emergency Medical Service (EMS) Coordinator Job Classification

Summary

The Department developed and created a new classification that will manage the Department's Continuous Quality Improvement (CQI) program, providing a higher level of retrospective call audits, data analysis, and staff education. The position will be a critical component of both the dispatch re-design and the Department's ambulance system re-design.

Quarter 1-3: The Department formed a labor-management committee to research effective CQI programs throughout the State in preparation to recruit the right person. The proposed modifications to this classification include renaming Fire Department EMS Coordinator position title and modifying the characteristics, duties, knowledge, abilities, minimum qualifications, and pay that align it with comparable classifications in other jurisdictions.



Quarter 4: The Personnel Board and the City Council approved changes to the classification. Recruitment will begin in the Fall of 2022.

Expected Completion: Fall 2022



FIRE PREVENTION DIVISION

The Fire Prevention Division decreases the number and severity of all fires in Berkeley through an active code-enforcement program, public education activities, engineering and plans review, and vegetation management. When fires occur, Fire Prevention staff investigate fire origin and cause and, if needed, prosecute those who are responsible.

Problem Statement: The complexity and volume of the Division’s work have significantly increased over the past two decades with no adjustments to staffing. This impacts the level of service the Division is able to provide to internal stakeholders and the community for plan reviews and approvals.

PROJECT 21: Structure Fire Inspections

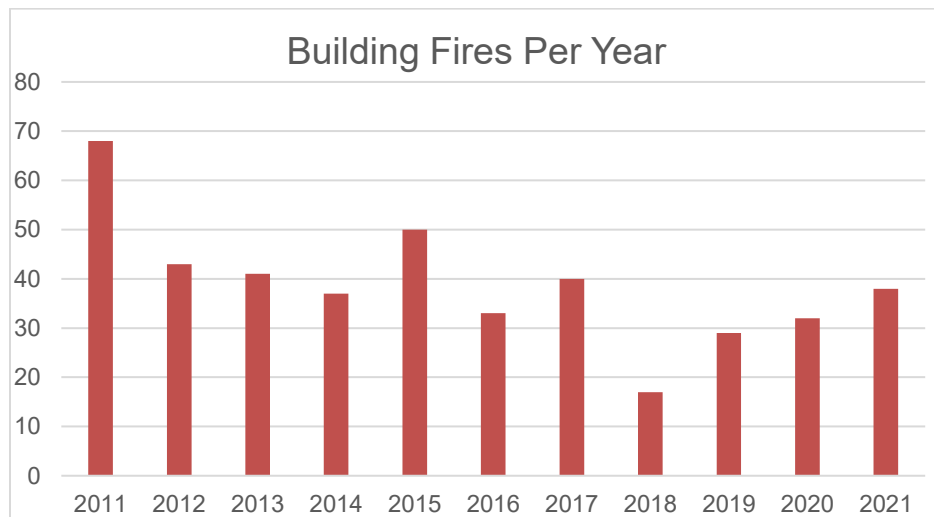
Summary

Since 2018 the City of Berkeley has seen an increase in structure fires, which impacts Fire Prevention Division staff time for on-scene investigations, interviews, follow-up, and report writing, thus decreasing capacity for day-to-day duties (plan reviews and inspections). BFD is actively hiring new inspectors to keep up with reviews for new development and ensure code compliance with existing structures. See the table below for a 10-year look at structure fire trends in Berkeley.

Quarter 1-3: BFD hired three inspectors in early April.

Quarter 4: There are several applicants pending, and additional hires are anticipated in late 2022.

Expected Completion: Late 2022: Ongoing





WILDLAND URBAN INTERFACE DIVISION

The Wildland-Urban Interface (WUI) Division addresses local wildfire target hazards and performs community-based action planning to mitigate threats, promote preparedness activities, and ensure wildfire resilience. Action Planning provides the foundation and roadmap for the Department's work to prevent wildfires and limit the spread when they ignite.

Problem Statement: With 30 years of accumulated vegetation overgrowth and a lack of effective enforcement and mitigation, the City has faced significant challenges and opportunities to become more wildland fire safe. This new Division has solely staffed by retired annuitants due to the Department's staffing challenges and identified several wildfire mitigation and prevention projects critical to the safety of the community. Permanent staff will begin to supplant the retired annuitants as the Department's staffing stabilizes through the end of FY22 and into FY23.

PROJECT 22: Community Wildfire Protection Plan (CWPP)

Summary

The CWPP is a comprehensive risk analysis that addresses local target hazards and includes a community-based action plan to mitigate threats, promote preparedness activities, and ensure resilience. It will serve as the foundation and roadmap for the Department's work to prevent wildfires and limit the spread when they ignite. The Department contracted Wildland Resource Management to complete an internal plan and a preliminary schedule to address the six task segments in the CWPP, identify available city resources, and establish a steering committee.

Quarter 1-3: The CWPP process kicked off in May, confirming a steering committee with stakeholders representing the Disaster and Fire Safety Commission, City of Berkeley Parks and Recreation Department, Hills Emergency Forum, Diablo Firesafe Council, Berkeley Office of Emergency Services, and the BFD.

Quarter 4: The CWPP Steering Committee identified processes for public participation via an online hub site with survey tools slated to launch at the end of July and through September.

Committee members have communicated the CWPP process to neighboring agencies at the Hills Emergency Forum (HEF) monthly meetings and will continue to keep our neighboring agencies informed and involved throughout the process.

The Community Based Map is a key component of the CWPP that will create a shared vision of the existing City of Berkeley wildfire environments. The Community Based Map was initiated and used to display the wildfire layers as the data is gathered and finalized.

Expected Completion: September 2022



PROJECT 23: Wildfire Safety Inspections

Summary

Per California State regulatory body, the Department had to expand the traditional hazardous fire area vegetation inspection program to include all properties in fire Zones 2 and 3. This increased the number of inspections by 83% (+7,184). The Department was not able to promote the permanent FTE Inspectors necessary to complete the increased inspection requirements.

Quarter 1-3: FY22 was the first year with an increased number of inspections in Zones 2 and 3. The Department is recruiting additional personnel to fill positions for fire inspectors (see project 17) and, in the interim, hired retired annuitants (RA) to perform inspections and begin transitioning administrative tasks from paper to mobile technology. This upgrade is aimed to improve the re-inspection, citation, and violation processes.

Quarter 4: The Chief promoted the first permanent FTE to the Division, Assistant Chief Dan Green. He will support the inspector hiring efforts and coordinate the hosting of a State Fire Marshal-sponsored course providing training to current and future WUI inspectors.

Our team of Retired Annuitants aim to complete the first inspection cycle with the 8,500 inspections by July of 2022.

Inspected	No Violations Found	Violations Found	Re-Inspection Completed	Re-Inspection No Violation Found	Re-Inspection w/Violations Found
8,055	6,015	2,040	1,595	1,269	326

Expected Completion: Winter 2022

PROJECT 24: Expanding Firewise Programs

Summary

The WUI Division staff are delivering presentations to the community about Berkeley's identified WUI, the importance of defensible space, vegetation management, home hardening, and what FireWise status means. FireWise criteria were developed by National Fire Protection Association (NFPA) and are intended to build community, learn, and implement vegetation management and home hardening practices. The more FireWise groups Berkeley has, the more eligible the City is for grant funding.

Quarter 1-3: Staff worked with Acacia, an 11-home neighborhood, through the application and approval of FireWise status. Acacia has officially been recognized as the City's first official NFPA FireWise group.



The process of becoming "recognized" as a Firewise neighborhood/zone requires collaborative organizing to create a board and develop a 3-year wildfire reduction plan.

Division staff is assisting several other neighborhoods in navigating the application and approval of their FireWise status. There are conflicting guidelines from the NFPA and Cal FIRE that have caused delays in the approval process.

Quarter 4: The Community Outreach Program continues to engage with the residents located in the High Fire Hazard Zones 2 and 3. They are facilitating community meetings primarily focusing on two wildfire mitigation strategies:

- Home Hardening - actions taken to reduce home ignition from wildfire/embers
- Creating a Defensible Space - Vegetation management to reduce the spread of a fire

The department completed six community meetings (five in-person, one virtual), one 3-day DSI course with Moraga Orinda Fire Department, and one town hall meeting with Councilmember Wengraff.

Expected Completion: Ongoing

PROJECT 25: Fire Risk Reduction Community List

Summary

The Fire Risk Reduction Community List is a registry of local agencies located in what is known as a "very high fire hazard severity zone" that meets best practices for local fire planning.

Quarter 4: The Department applied for and was selected as one of four cities in California that will be on the first-ever Fire Risk Reduction Community List, which was approved by the Board of Forestry on June 8th. This status increases eligibility for Cal FIRE's prevention grants for the next 2 years.

Expected Completion: Completed



TRAINING DIVISION

The Division maintains a California State Fire Training Accredited Local Academy where new firefighters complete Firefighter I and II certifications. The Division also provides ongoing training and development to all positions in the Department. This is accomplished with the team: Assistant Fire Chief, three sworn members, and one non-sworn member who provides critical administrative support.

Problem Statement: The scope and complexity of the Department's operations have substantially changed over time. The majority of incoming technical calls occur less frequently but pose a higher risk to civilians and fire personnel. To adequately meet the national, state, and local mandates for training and to ensure that fire personnel are ready to respond to any, and all, calls for service, BFD must implement considerable changes to the Division. This includes adequately staffing the Division, funding external SMEs, acquiring an adequately sized training facility, and providing the physical resources necessary to conduct hyper-realistic training that simulates the work environment.

PROJECT 26: Enhanced Staffing

Summary

The Department's Division of Training has been critically understaffed for decades. The Division has been led by a manager that has been split between another equally critical Division, Emergency Medical Services. To properly function, the Division needs to stand alone with a manager, a minimum of three staff and one support person.

Quarter 1-3: An additional Captain was assigned to the Division through a budget neutral shuffling of personnel. This has greatly increased the Divisions' capacity for work.

Quarter 4: The Division will be split from EMS in August of 2022 and have its own assigned Assistant Fire Chief. The recruitment for this position has been completed and Battalion Chief Paul Cavagnaro was selected to be the first Assistant Fire Chief of Training. His assignment will begin on August 21, 2022.

PROJECT 27: Albany Fire Partnership

Summary

The Berkeley and Albany Fire Departments respond to calls in collaboration on a daily basis. In FY22, the Departments initiated a formal training relationship that focused on training staff together to better align response protocols.

Quarter 4: The pilot project was initiated and has shown to be mutually beneficial for the Departments and both communities. The two Departments are formalizing the partnership through a Memorandum of Understanding.



Expected Completion: Fall 2022

PROJECT 28: Entry-Level Firefighter Recruitment

Summary

Department Staff is reducing the recruitment process timeline from nine to six months and is targeting specific qualified employees. BFD, like all fire departments, is struggling to find qualified employees in the applicant pool. See Project 3 for recruitment details.

Quarter 1-3: Nine firefighter-paramedics from the 110th Academy graduated on October 1st, 2021 and will complete their probation by May of 2023.

Quarter 4: The Department's 111th Academy graduated with seven firefighter/paramedics on June 24th and will begin two-year probation.

BFD's project management team completed a recruitment cycle for firefighter/paramedics, and in preparation for the 112th Academy, staff is enhancing the curriculum based on lessons learned from the 111th.

Expected Completion: Ongoing

PROJECT 29: Regional Leadership Academy

Summary

The Department was awarded FEMA's Assistance to Firefighters Grant to design and facilitate a regional leadership series for current and prospective leaders. Classes are running monthly through August of 2023.

Quarter 4: The Department hosted sessions through June but will pause for the duration of the CY22 fire season. Classes will resume in October 2022.

Expected Completion: August 2023

PROJECT 30: Bi-County Regional Training Consortium

Summary

The Department is working with Contra Costa and Alameda Counties to pursue a regional training consortium. Training is a critical Division within each fire agency but is chronically understaffed and under-resourced. The intent is to pool resources to accomplish more training and reduce the overall operational cost associated with training.



Quarter 1-3: The Department hosted retired Chief Eric Tomlinson from the South King County Regional Fire Training Consortium in Washington State. Chief Tomlinson worked with Department staff to present the history and benefits of the consortium in King County to chief officers of nearly every department in Alameda and Contra Costa Counties.

Quarter 4: Coordination and planning meetings have occurred between several core Departments most interested in this project. There are draft agreements and budgets being developed that will eventually be presented to each City's legislative leaders for consideration.

Expected Completion: Ongoing

PROJECT 31: Land Acquisition for Training Facility

Summary

The Department needs a training facility and is actively engaged in identifying a property that will meet the City's needs for the training and development of its emergency responders and support staff. Due to zoning, the cost of the property, and the proximity of residential neighborhoods, this facility will have to be located outside City boundaries. This presents exciting opportunities for regional collaboration with other fire departments and a community college district.

Quarter 1-3: The Department has been searching for suitable land to purchase or lease within 20 minutes of the City. Two properties were identified in the City of Richmond, and the Department sought permission to negotiate a lease and develop high-level site plans.

Quarter 4: In an unexpected pivot, a local agency has approached the Department with a proposal to consider using its existing training property as a regional center. While it is slightly smaller than the proposed site that was to be leased, the annual lease cost will be substantially less, which will leave more funds available for development.

Expected Completion: Property Acquisition FY22, Development FY26



OFFICE OF EMERGENCY SERVICES

The Fire Department's Office of Emergency Services (OES) coordinates a suite of programs to build disaster resilience for the Berkeley community. These programs support personal preparedness, community connections, and government efforts that will help Berkeley respond to and recover from our next earthquake, fire, or other disasters.

Problem Statement: the disaster commission and fire safe commission identified emergency notifications as a priority project. AC Alert historically has a low opt-in rate, and the City wants to ensure communication is adequate when needed and to accommodate those without access to electronic notifications.

PROJECT 32: Evacuations & Warning Systems

Summary

One of several priority projects for the Disaster Fire Safety Commission and City Council is the purchase and installation of a city-wide outdoor warning system to assist with emergency notifications.

Quarter 1-3: Staff worked to research and piggyback on a contract with Genasys to provide the City with an Outdoor Warning System (OWS).

Quarter 4: Staff have been engaged in a laborious process of identifying the 15 locations for the speakers and working to negotiate leases to use the sites for this long-term project. The first five speakers have been delivered and should be installed by the end of CY22.

Expected Completion: FY24

Internal

FY23 Salary & Benefits		
Division & Job Classification	# FTE	Recurring
Admin	4	\$705,976
Associate Mgmt Analyst	1	\$196,731
Communications Specialist	1	\$198,012
Administrative Assistant	2	\$311,232
Dispatch	1	\$284,679
Emergency Medical Services Advisor	1	\$284,679
EMS	18	\$2,866,851
Assistant Fire Chief	1	\$384,685
Captain II	1	\$277,629
Firefighter (Paramedic)	3	\$665,172
Single Function EMT	12	\$1,391,944
Paramedic Supervisor I	1	\$147,421
Training	1	\$277,629
Captain II	1	\$277,629
WUI	4	\$1,135,593
Assistant Fire Chief	1	\$384,685
Sworn Fire Inspector	3	\$750,908
Grand Total	28	\$5,270,727

FY23 Overtime	
Division	Recurring
Oprations	\$70,452
Technical Rescue Training	\$70,452
Operations	\$70,452
HazMat Training	\$70,452
Grand Total	\$140,904

FY23 Non-Personnel		
Division & Project	One Time.	Recurring.
Administration	\$150,000	\$350,000
Standards of Cover & Continued Data Analysis		\$50,000
Project Management (WUI, Recruiting, Admin)		\$300,000
Silva Consulting (Real Estate)	\$150,000	
EMS		\$244,443
BLS Ambulances		\$122,700
Medical Specialist Team (MST)		\$30,675
Replacement Funds for Vehicle		\$16,068
EMS Division Budget		\$75,000
Operations		\$32,136
HazMat Equipment		\$0
Tech Rescue Equipment		\$0
Replacement Funds for BC Vehicles		\$32,136
Paramedic Tax		\$757,925
Cover Paramedic Tax Budget Defecit		\$757,925
Training & Development		\$150,000
Cirriculum & Policy Development		\$0
Recruiting		\$50,000
Design, Permits, Construction		\$0
Contracts, Equipment & Supplies		\$100,000
WUI/FP	\$850,000	\$1,110,380
Outdoor Alerting System		\$44,200
PubEd		\$100,000
Safe Passages Program	\$350,000	\$150,000
Tablet Command		\$30,000
Vegetation Management Program	\$500,000	\$500,000
CWPP Wild Res Mgmt		\$20,000
Lease of office space		\$240,000
Replacement Funds for FP/WUI Vehicle		\$16,068
Replacement Funds for FP/WUI Vehicles		\$10,113
WUI, EMS, Trng	\$200,000	\$50,000
Workstaton Configuration (WUI, EMS, Trng)	\$200,000	\$50,000
Grand Total	\$1,200,000	\$2,694,884

132

Total Responses

Date Created: Friday, July 22, 2022

Complete Responses: 132

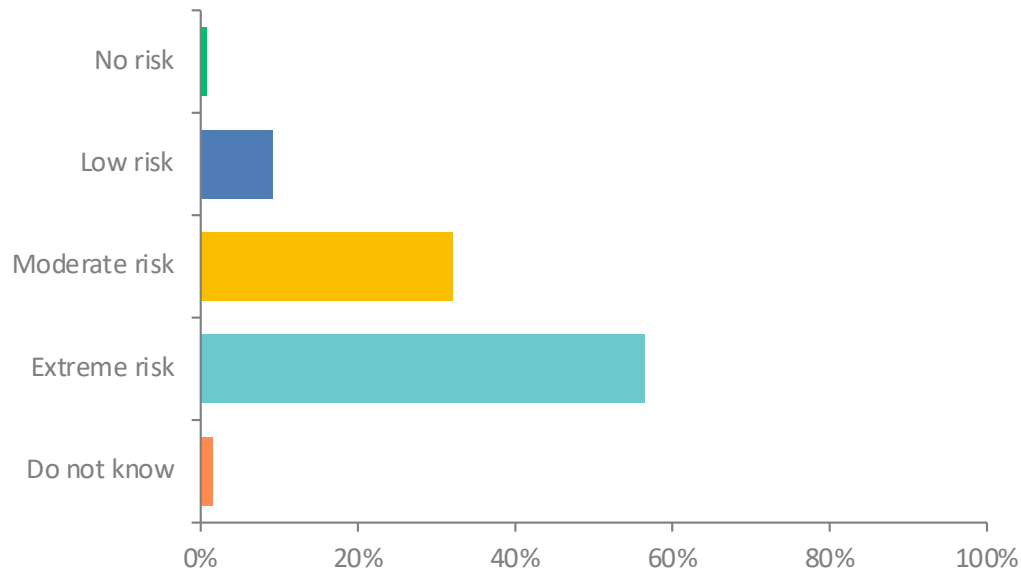
Berkeley CWPP 2022 - Survey 1

Friday, September 16, 2022

NOTE: This survey is part of a series of engagement and educational tools to facilitate communication during the development of the Berkeley Community Wildfire Protection Plan. The following results were not intended to be scientific or statistically valid, and should not be assumed to reliably reflect the opinions of all Berkeley residents.

Q1: How great a risk do you think wildfire poses to your community (chose one)

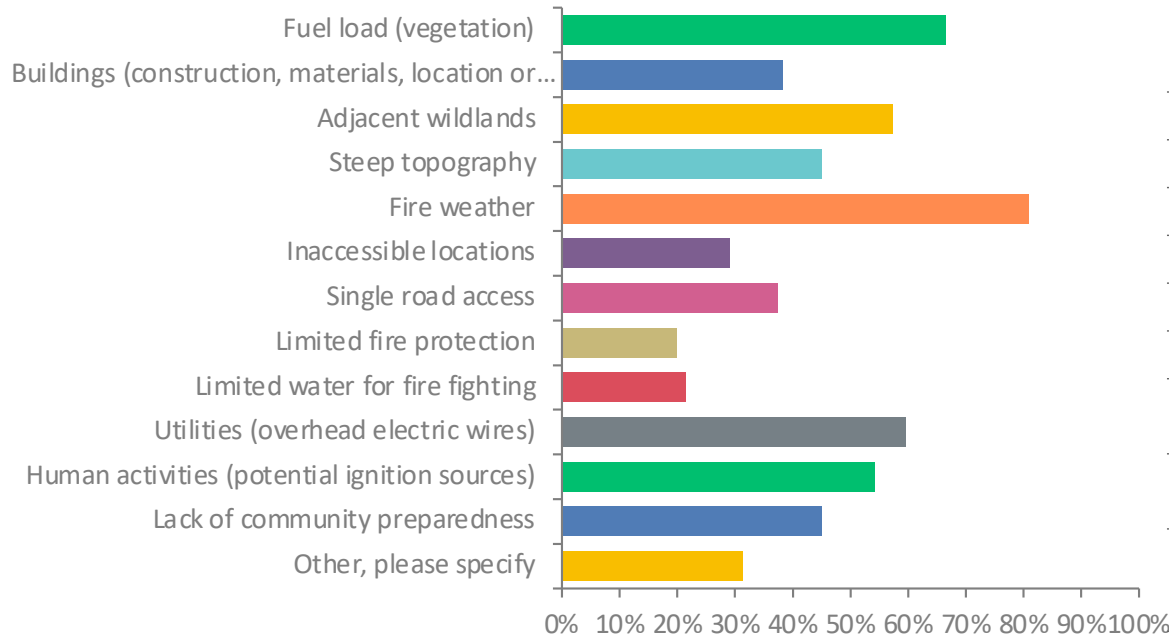
Answered: 131 Skipped: 1



ANSWER CHOICES	RESPONSES	
No risk	0.76%	1
Low risk	9.16%	12
Moderate risk	32.06%	42
Extreme risk	56.49%	74
Do not know	1.53%	2
TOTAL		131

Q2: Check those factors you think add to your neighborhood's risk of wildfire (check all that apply)

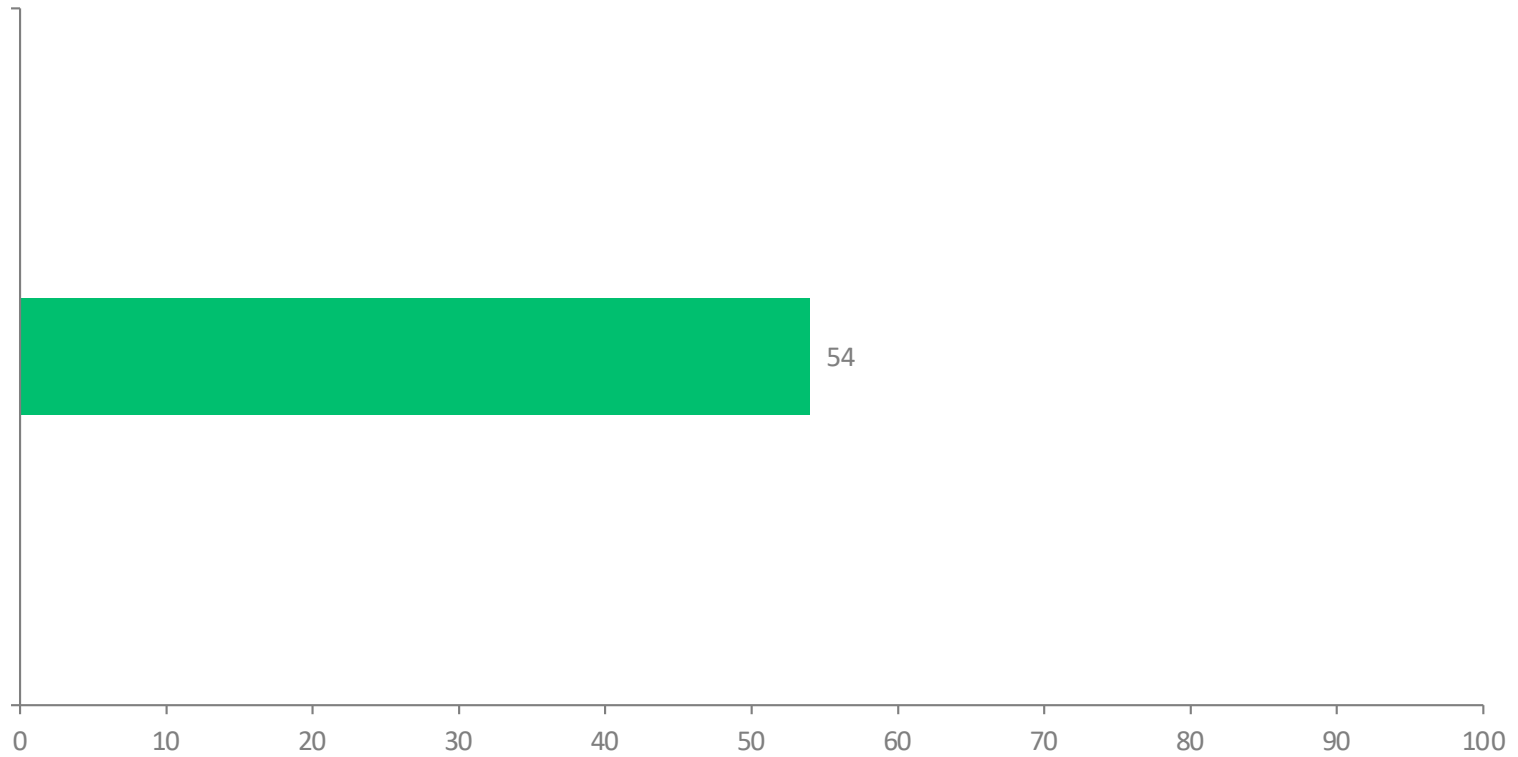
Answered: 131 Skipped: 1



ANSWER CHOICES	RESPONSES	
Fuel load (vegetation)	66.41%	87
Buildings (construction, materials, location or design)	38.17%	50
Adjacent wildlands	57.25%	75
Steep topography	45.04%	59
Fire weather	80.92%	106
Inaccessible locations	29.01%	38
Single road access	37.40%	49
Limited fire protection	19.85%	26
Limited water for fire fighting	21.37%	28
Utilities (overhead electric wires)	59.54%	78
Human activities (potential ignition sources)	54.20%	71
Lack of community preparedness	45.04%	59
Other, please specify	31.30%	41
TOTAL		767

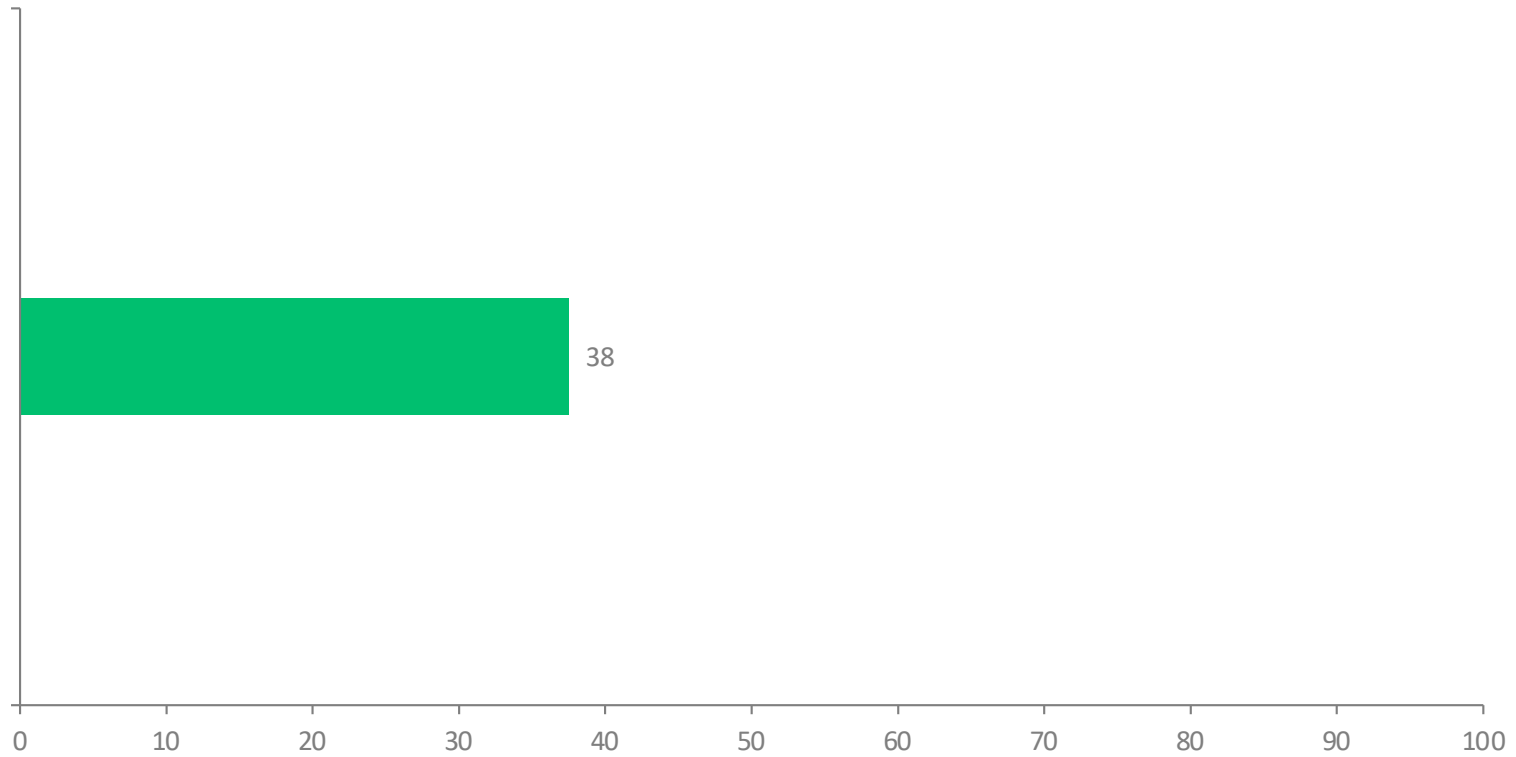
Q3: On a scale of 1 to 100, how ready are you and your family ready to deal with wildfire.

Answered: 131 Skipped: 1



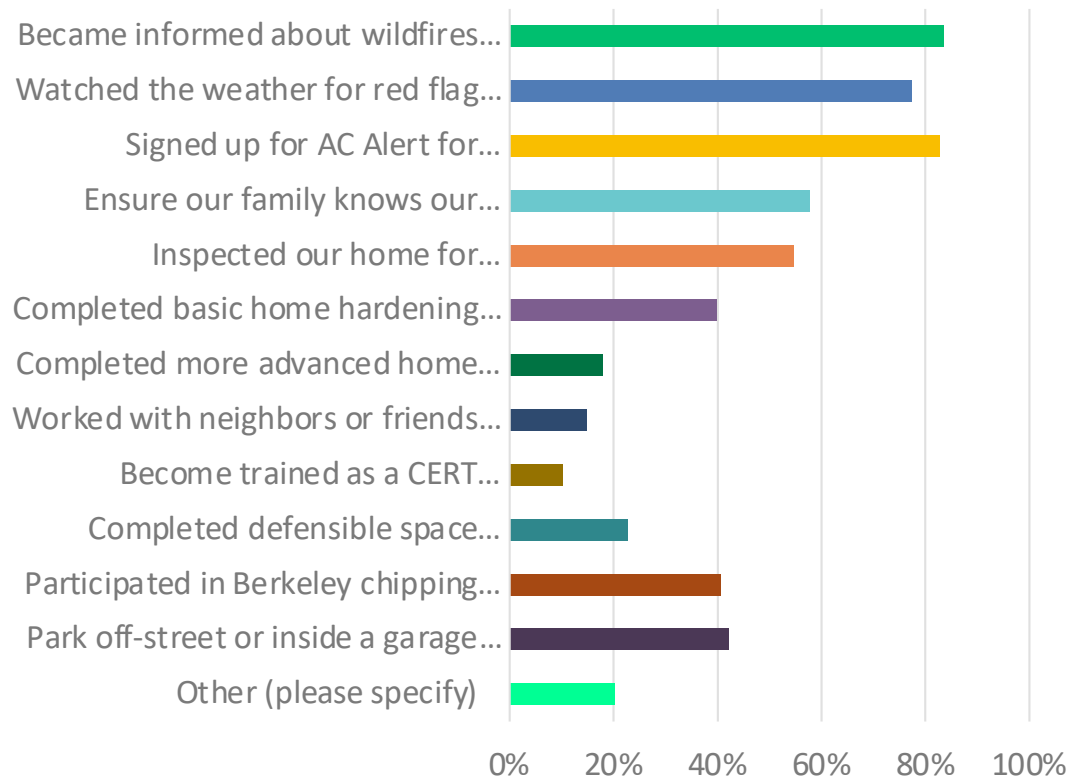
Q4: 4. On a scale of 1 to 100, how ready is your neighborhood to deal with wildfire.

Answered: 130 Skipped: 2



Q5: What actions have you taken to prepare your family, home, property and community to reduce the risk of wildfire? (check all that apply).

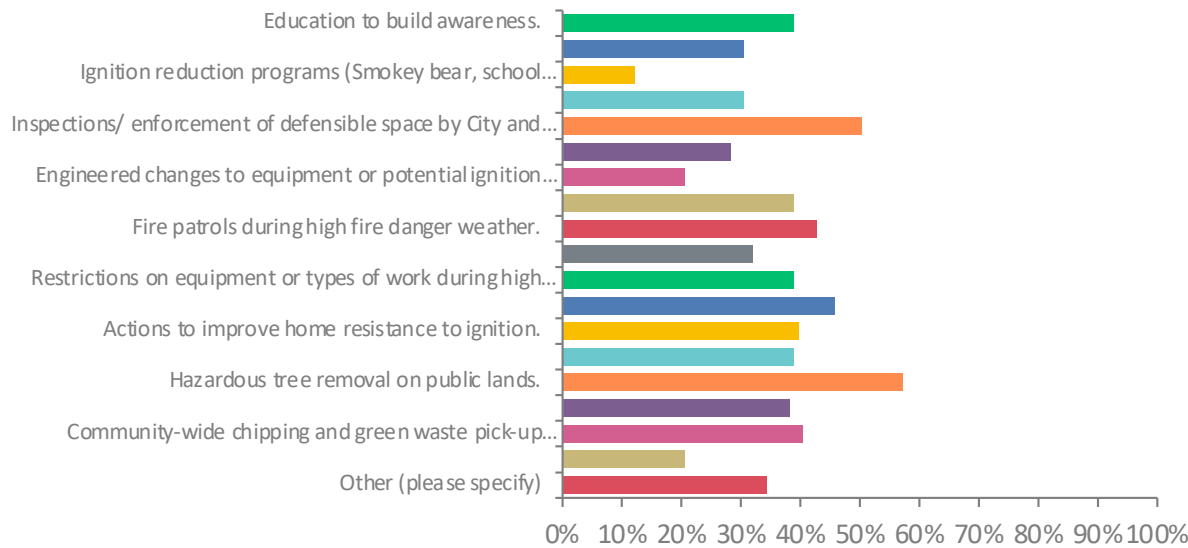
Answered: 128 Skipped: 4



ANSWER CHOICES	RESPONSES	
Became informed about wildfires and what we can do as a family to reduce the risk.	83.59%	107
Watched the weather for red flag days and taken ignition reduction actions.	77.34%	99
Signed up for AC Alert for emergency communications (https://acgov.org/emergencysite/).	82.81%	106
Ensure our family knows our "zone" for evacuation (https://myzone.zonehaven.com/).	57.81%	74
Inspected our home for vulnerable areas and done easy ignition prevention actions	54.69%	70
Completed basic home hardening retrofits (DIY projects: screen vents, gutter covers, chimney screens, caulk gaps etc.).	39.84%	51
Completed more advanced home hardening retrofits (contractor projects: double pane windows, enclose eaves, class A roof etc.).	17.97%	23
Worked with neighbors or friends to reduce chance of wildfire around our homes.	14.84%	19
Become trained as a CERT volunteer, active in Firewise, or fire patrols during red flag.	10.16%	13
Completed defensible space inspection requirements.	22.66%	29
Participated in Berkeley chipping and green waste pick-up program.	40.62%	52
Park off-street or inside a garage to improve fire engine access along our narrow street.	42.19%	54

Q6: In developing Berkeley's Community Wildfire Protection Plan we are exploring a variety of actions to reduce the risk of wildfire to neighborhoods. Which of the following recommendations do you think would be effective for your neighborhood? (check all that apply)

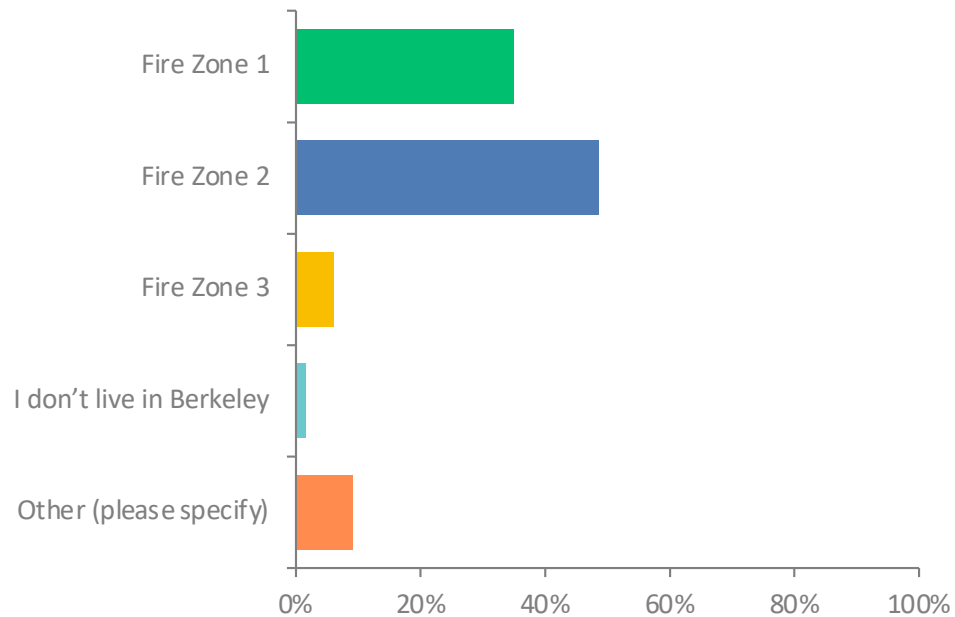
Answered: 131 Skipped: 1



ANSWER CHOICES	RESPONSES	
Education to build awareness.	38.93%	51
Collaborative projects to address wildfire along with other issues (such as creek restoration, crime prevention, native plant protection etc.).	30.53%	40
Ignition reduction programs (Smokey bear, school programs, wildfire information).	12.21%	16
Training of volunteers (such as CERT, Firewise or Volunteers in Prevention programs)	30.53%	40
Inspections/ enforcement of defensible space by City and fire personnel.	50.38%	66
Inspections/ education about defensible space by trained peers and neighbors.	28.24%	37
Engineered changes to equipment or potential ignition sites.	20.61%	27
Monitoring of fire weather and issuing red flag warnings.	38.93%	51
Fire patrols during high fire danger weather.	42.75%	56
Closures and public use restrictions during high fire danger weather.	32.06%	42
Restrictions on equipment or types of work during high fire danger weather.	38.93%	51
Actions to reduce vegetation around homes (create defensible space).	45.80%	60
Actions to improve home resistance to ignition.	39.69%	52
Actions to reduce vegetation in open space.	38.93%	51
Hazardous tree removal on public lands.	57.25%	75
City funded incentive program to support vegetation removal on private property.	38.17%	50
Community-wide chipping and green waste pick-up programs.	40.46%	53
Funding for neighborhood led projects.	20.61%	27
Other (please specify)	34.35%	45
TOTAL		890

Q7: In which Fire Zone do you live? (See map to identify zone <https://arcg.is/1v9Xm4>)

Answered: 132 Skipped: 0

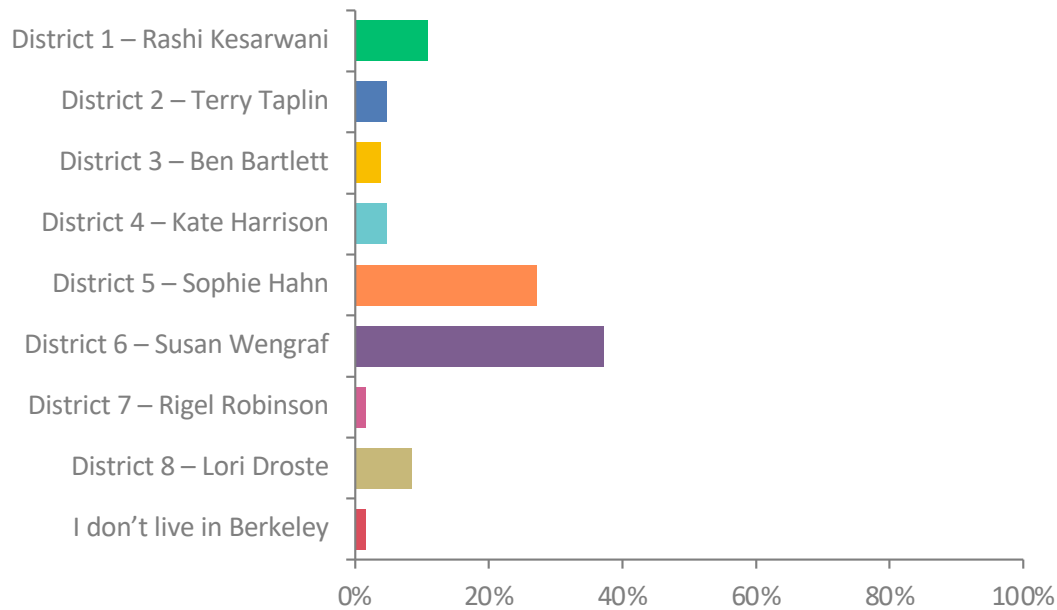


ANSWER CHOICES	RESPONSES	
Fire Zone 1	34.85%	46
Fire Zone 2	48.48%	64
Fire Zone 3	6.06%	8
I don't live in Berkeley	1.52%	2
Other (please specify)	9.09%	12
TOTAL		132

Q8: 8. In which the Berkeley City Council District do you live?

(See map to identify district <https://arcg.is/PiDv50>)

Answered: 129 Skipped: 3



ANSWER CHOICES	RESPONSES	
District 1 – Rashi Kesarwani	10.85%	14
District 2 – Terry Taplin	4.65%	6
District 3 – Ben Bartlett	3.88%	5
District 4 – Kate Harrison	4.65%	6
District 5 – Sophie Hahn	27.13%	35
District 6 – Susan Wengraf	37.21%	48
District 7 – Rigel Robinson	1.55%	2
District 8 – Lori Droste	8.53%	11
I don't live in Berkeley	1.55%	2
TOTAL		129

Comment provided on individual questions on Survey 1

Q2 Check those factors you think add to your neighborhood's risk of wildfire (check all that apply)

1. I encourage the City to front-load its efforts in the direction of fuels reduction, since that's the quickest way to mitigate the worst risk. Other important methods, such as Home hardening, will take more time and money.
2. Diablo winds, over 1,000 eucalyptus trees inside the city, many more to the east, steep terrain, and lack of sufficient fuel reduction by UC Berkeley and the City of Berkeley make our city extremely susceptible to catastrophic fire risk. Public entities must clean up the eucalyptus understory on both public and private property ASAP, then remove and replace the eucalyptus trees.
3. Eucalyptus fire ladders will quickly spread a major fire.
4. Vacant and overgrown homes
5. Human activities on Grizzly Peak (no parking signs do not deter if not enforced) and in the LHS parking lot are the biggest danger to hills residents. We do our part in vegetation clearing but illegal activity - just one spark - voids the effort. Police the area, prevent fires. Residents do everything we can to prevent fires but in the end it won't matter. Allocate funds where they can be best used. Police the area! Stop policing the hills home owners for compliance. We are not the ones starting fires.
6. Eucalyptus trees on private property, rental properties not maintained, drought prompt fast weed growth
7. Large and tall trees are not maintained. Lightening was responsible to tree fire and explosion around our home.
8. All those Eucalyptus trees in Tilden.
9. Lack of enforcement of no-smoking / no open flame laws for the Berkeley parks in the hills and in Tilden. Lack of parking rules enforcement in the Berkeley hills fire zones. There are cars parked for over a year at a time, cars parking on the sidewalks and many other hazards to emergency access.
10. Lack of enforcement following inspections. Inadequate tree trimming and removal of hazardous and dying trees.
11. Even in the flat land around north Berkeley Bart they are loots of tall redwood. They can be hit by lightning. It's already Helen's twice in this neighborhood. Neighbors love there trees but not really take care of them. Some time they have too many trees on their lot. I think the city need to control that and make sure it safe. Those produce a lot of dry leave and roof and yard. Even in the flat land.
12. Parked cars on both sides of streets block access, evacuation, and firefighting trucks and equipment from responding. Regular occurrence of impassible streets on trash pickup days each week.
13. One word... Tilden. Lovely place. A gem. But EBRPD does ZERO to clear the dead trees along and just below Wildcat Canyon Road
14. BBQs in Public Parks, especially the disposable BBQs people bring.

15. Lots of dangerous trees that can catch fire
16. Properties not maintained by owner or renters or elderly who can't afford or won't hire yard people to clean up. City needs to provide \$ assistance to remove overgrown trees or eucalyptus/pine trees on private property in the hills. Put this on the next election to earmark \$.
17. Too many cars parked in the road in the hills. Too many multi-vehicle families and people not using their driveways. Cars blocking pedestrian access/sidewalks. Large cars especially.
18. Neighbors that refuse to maintain trees and vegetation. Have multiple dead and oversized trees in an urban setting and issues like pine needles covering their roof which is an ignition source. No way to force them to reduce fire risk in the Berkeley flats at this point. We need a way to force homeowners to maintain their property in the flats.
19. No comment
20. Also climate change. We are out of balance, our climate is drier and hotter than usual, and we are in a drought.
21. Poor city planning, which allows development in high fire risk areas (the hills, adjacent to wildlands). Insurance policies which provide insurance to those living in high fire risk areas & allow them to rebuild there.
22. Homeless encampments.
23. mentally ill starting fires, also politically-motivated people coming in and doing the same
24. We live in fire zone 2. Even with fire department visits to homeowners, we have many neighbors who are completely surrounded by overgrown bushes, trees, ivy and walls of bamboo. I also think the city should not allow large trees that overhang streets, potentially falling on our few escape routs. Many walking paths from our house are tunnels of dense vegetation! The paths and streets need to be the responsibility of the city. We as homeowners have paid thousands of dollars to remove trees, maintain our vegetation and fireproof our house, yet the roads and paths are not safe ways out because of trees and vegetation overgrowth.
25. Our neighborhood in the flats is at low risk. Traditionally wildfires have started at the ridges. Reduce fuel load there and carefully watch during fire weather and have quick response ready. The suggestion that people with mobility problems leave the hill fire areas during extreme risk times is a good one.
26. Lack of understanding about the different kinds of houses around Berkeley and lack of realistic ideas about implementing fair changes that don't cost the owner more than is reasonable.
27. Although I'm a tree-lover, I draw the line at eucalyptus in Berkeley. They're a non-native species that is causing serious fires everywhere they've been imported (including Greece and Turkey!).
28. Lack of action by city officials for a known major issue
29. Adequate funding/financing to stimulate the prioritization (within family budgets) of major hardening/vegetation projects on private property.
30. Between College and Claremont. Fire can just come down from hills as did the Oakland fire. I'm a renter. Landlord does not care about overgrowth.

31. We need more veg management in our residents hill areas and more veg management in Tilden and Claremont canyon
32. We have got to chop down all the eucalyptus
33. junk and other stuff outside homes. Easily flammable materials out side homes - for example, my neighbor has a wall of "prayer flags" (paper, fabric, plastic) 8 feet high and approx. 40 feet long/wide on and on top a wooden fence. This stuff would ignite a lot faster than trees.
34. I worry particularly about the large proportion of hills residents who are older and may have limited mobility. In addition, I have heard and read many troubling comments from some of these older hills dwellers, comments that lead me to believe they don't truly grasp that no one is going to be able to come save them once a fire has already started.
35. Lack of community awareness of the level of risk.
36. Anyone have a "hate-my-neighbor" tree/foilage fence at the property line, hills and low land of Berkeley?
37. There are too many cars parking on the street in wildfire zones. Narrow streets mean slower response times for emergency responders. Please make it harder to park on the street in the hills.
38. Climate change
39. Narrow road.
40. Parking allowed on narrow hill roads making it hard for first responders
41. The swath that has goat vegetation removal below Wildcat is not nearly wide enough, given the severity of the wildfires we've seen in the last few years. I'd also like to see trees removed in that swath to make a more defensible break.

Q5 What actions have you taken to prepare your family, home, property and community to reduce the risk of wildfire? (check all that apply).

1. Helped a neighbor by clearing dried grasses from her property--there's no one to do this because she's elderly & doesn't speak much English. Educational, printed materials in MANY languages should be distributed throughout Berkeley.
2. Organize the community to get the city and university to remove all the hazardous fuel.
3. It's not the neighbors we're worried about. It's the folks that park on Grizzly Peak and LHS that don't care if we go up in flames.
4. Need referrals to contractors qualified to perform home hardened (ember prevention to vents, gutter guards, etc)
5. removed flammable plants, keep remaining trimmed & watered.
6. Clear my yard and roof from dry leaves.
7. Remove all flammable plants and water existing fire-resistant plants.
8. Wildcat Watch volunteer
9. Pls provide reputable agencies to hire to harden my home (gutter covers, vent screens, prepare eaves. Offer courses to these companies & certify them so we know which companies know fire rules.
10. Developed a parking restriction proposal for our street and submitted to city (no action yet)

11. I've been a leader in our neighborhood Hillside Fire Safety Group since its founding.
12. I made a documentary film about megafires and have screened it in Berkeley and more than 400 other communities. Wilder than Wild has also been broadcast nationwide.
13. I'm a renter, so much of this I can do nothing about.
14. Neighborhood preparedness group participation
15. packed go bags, informed neighbors about how to pack and prepare, and tried to stay informed about proximity of fires
16. spread information to others in my apartment building (most of the actions on this list only apply to homeowners, which only make up half of the population of Berkeley)
17. Purchased a small camper van that we can park in the flats at a friend's house during red flag warnings
18. It's not reasonable to have people park off street or inside garage when they don't have that as an option and parking on sidewalk to allow fire trucks enough room has been the norm for ages.
19. using very low, dense groundcover plants to choke out weeds that were overgrown, removed all bark chip on landscape
20. Renter has no control
21. DIY home hardening projects in progress.
22. Go kit by the door always and a plan for evacuating in 5,10,15 and 20 minute intervals.
23. my neighborhood has an organized group and we have taken some steps to prepare for emergencies together
24. Extensive emergency kits, go bags, earthquake supply shed. NOTE: we are renter and not able to do DIY projects on the property. Landlord is not too concerned and unwilling to do anything beyond legal requirements.
25. Smoke alarms
26. NOTE: the question says "check all that apply" but the survey tool limits the responses to 3 boxes maximum. So my answers are not accurate for this question. I've actually paid to have eucalyptus removed from neighbor's property (with their approval). In the larger scheme, I shouldn't have to pay. The city should step up and have a comprehensive eucalyptus reduction program.

Q6. In developing Berkeley's Community Wildfire Protection Plan we are exploring a variety of actions to reduce the risk of wildfire to neighborhoods. Which of the following recommendations do you think would be effective for your neighborhood? (check all that apply)

1. Assistance to seniors, disabled, etc., in landscape maintenance, awareness, etc.; discontinuing construction activities during high-fire-risk days (we had construction workers next door shooting sparks into dry grasses on several days when the bldg. next door was being remodeled).
2. Moving overhead power and utility lines underground
3. City funded tree removal or trimming
4. Dedicated city staff for in-person site hardening consultations.
5. Hazardous tree removal on private property by the city. The eucalyptus.

6. Remove dangerous trees on private land.
7. Police the area. Put funds to deter and prevent fires from starting in the first place.
8. Undergrounding power lines
9. UNDERGROUND ELECTRICAL WIRES
10. allow high ignition point plants to remain--McKinney fire had photos of houses burning with Camellias untouched at foundation.
11. Community efforts to underground electric wires - San Diego has figured out how to get utilities to pay, why can't we?
12. Have the city check all the yard with big trees.
13. Develop a mechanism to remove Eucalyptus Trees. They are like match sticks ready to burn. One idea for people who cannot afford the expense of removal is for the City to pay for tree removal and place a lien on the property to get reimbursed when the home is sold or transfers ownership.
14. Undergrounding utilities; red striping for no parking one side of each street at least in zones 2 and 3 and in evacuation routes; enhanced prep for evac of disabled persons (wheelchair users can't take paths, recommendations for vehicles to park on sidewalks prohibits disabled from evacuating on "foot").
15. Grants or other financial help for residents to use to clear vegetation and create a defensible perimeter. It is too expensive to hire help with cutting, trimming trees and removing plants. We also need help communicating/negotiating with neighbors, i.e. our neighbors trees are within 5 feet of our home but not theirs-- who has to pay to remove those?
16. Ban BBQs in public parks
17. Matching grant for hazardous tree removal
18. Continue house to house inspections by Berkeley Fire in Zones 1 & 2 + start enforcing so people know this is serious.
19. People on fixed incomes need financial help to take more extensive actions.
20. Undergrounding power lines
21. City needs to take the lead and not rely on CERT or FireWise groups. Neighbors don't like to pester neighbors. We need the city to strengthen and enforce its defensible space requirements because the majority of folks won't act otherwise.
22. Clearing hazardous vegetation fuel in the hills whether it's located on public or private property.
23. Community education about evacuation routes. Neighborhood meetings identified those who need help to leave their homes in emergencies.
24. Renter education and information to pass onto landlords. Mandatory hardening of renter properties w mandatory assistance by renters.
25. A big part of protecting our communities from wildfire danger is protecting air quality year-round with common sense measures to mitigate the negative health effects of the large amount of smoke and air pollution during fire season. This includes banning very polluting 2-stroke engines (gas leaf blowers, lawn mowers, etc.), rapidly phasing out wood burning fireplaces/stoves with a carrot-and-stick, and reducing the number of cars on the road that can be replaced by bikes or ebikes if everyone felt safe (and actually *were* safe*) biking around Berkeley. These

measures would have a huge impact on the negative effect of wildfire season, both in their immediate impact as well as via their long-term mitigation of climate change. Berkeley should be a leader on these important public health and safety policies.

26. define evacuation routes & mark with signage
27. Make sure that all recommendations are in an ecological, systems-based framework. Just reducing vegetation can also change the climate. We need vegetation and we need to manage it in an ecological way that protects life. Please consider consulting with Occidental Arts & Ecology Center or other experts to ensure we do this with our longer term future in mind.
28. the city needs to trim dead branches out of street trees
29. this should be going on all the time, but also we have to deal with the fact that many wildfires come from public utilities not keeping areas clear as well. mental illness and politically-motivated fires started by humans is also not being mentioned on here
30. City funded tree removal overhanging streets in hills, and city funded removal of vegetation surrounding paths. Both are escape routes
31. It's not productive to suddenly ask people to make huge changes to their property without funding those requirements. Many houses are right next to others and each home in the hills has different trees and vegetation. You need to come up with a better plan that does not penalize property owners for issues they can't control or for changes that require a financial investment that is extreme--like cutting down trees.
32. restrict drug camp equipment during high danger weather
33. Please consider allowing low groundcovers in zone 0. With many houses on a slope, if you only allow dirt or rock that can migrate, it will result in weeds that grow tall right next to houses and defeat the purpose.
34. City-funded incentive programs to support wildfire-hardening home-retrofit and private vegetation-removal projects.
35. Fines for landlords who don't keep property fire safe. Annual inspection
36. Specifically make a militia response illegal to avoid a situation like this:
<https://www.nbcnews.com/news/us-news/california-town-militias-help-welcomed-cautioned-others-rcna40218>
37. I checked all the boxes but the form only allows three. I think we need to be doing all of these things!!!
38. State wide ban on all fireworks and severe punishment for those who use illegal fireworks. Should no longer be available or sold in California.
39. Too many cars in the hills are a real problem. That this isn't even an action on the list of choices is shocking.
40. Funding for fire prevention measures required by the city.
41. Underground electrical wires (use Rule 20 funds); widen street
42. Sensible fire danger assessment
43. Enforce one side of street parking

44. NOTE: the question says "check all that apply" but the survey tool limits the responses to 3 boxes maximum. So my answers are not accurate for this question.
(1) Require people to remove highly flammable trees (eucalyptus, for example) on their property. (2) during fire season, limit parking on major evacuation routes (Grizzly Peak, for example) and enforce abandoned vehicle parking on all streets within high fire risk areas.
45. Put electric wires underground

Final Comments

1. Construction enforcement seems to need A LOT of improvement--it's difficult to even find who to notify on the website, calling 311 doesn't really work ("we need a photo"), and there are A LOT of fire-producing activities during construction projects in the residential neighborhoods.
2. None
3. Thanks for the survey!
4. My area almost burned in 1923 so it is vulnerable. I think the major problem is one house catching fire that spreads to neighboring houses
5. Berkeley needs a department dedicated to just wildfire risk reduction. If it takes an assessment added to tax on properties in the WUI to fund this, then do it. I strongly believe there should be experts on staff who can meet residents on site to answer questions and provide advice. Fire department inspections are nearly useless because they don't have adequate staffing or time to inspect the extensive area of hills neighborhoods and they only see what's visible from the street. This is totally inadequate.
6. More coordination with East Bay Regional re Tilden and Claremont Canyon and UCB to reduce vegetation load and remove trees and more defensible space in the No Berkeley Hills and near Claremont and strawberry canyon
7. Please encourage the City to support residents' efforts to reduce fuels, especially blue gum eucalyptus. That species is widely understood to be the worst in terms of fire risk. Such support should include financial subsidies especially for low income residents.
8. The eucalyptus species is "The Elephant in the Room." We must acknowledge the science that it is far and away the most dangerous species and remove it. Everyone will be far safer.
9. We need to city to help neighborhoods organize and develop a plan to help each other prepare
10. Why haven't the eucalyptus been cleaned up on Berkeley property/parks?
11. Vacant home tax would also over time benefit fire preparedness and prevention. Every block around us has 1 vacant home which is overgrown and very cluttered, putting neighbors at risk
12. Enough said. I'm sad to see my tax dollars not helping.
13. Vegetation varies greatly in flammability. Please educate yourselves and the public on choosing proper plants (i.e. ceanothus vs eucalyptus), rather than promoting blanket vegetation removals. See https://www.laspilitas.com/classes/fire_burn_times.html for more information.

14. Did not receive info on the 8/3/22 Zoom meeting. Please add me to your email list for upcoming Zoom events
15. Please inspect large/tall trees in the flatland to insure it's been properly maintained.
16. The overhead electrical wires are a serious hazard. They not only go through trees, but also can come down in windy weather or during quakes. We need to move from 19th century to 21st century tech
17. We would lose privacy, shade, and our cherished garden if we were forced to remove plants within 5' of house.
18. It's important to recognize that mature trees can help retain moisture and prevent fires - I am concerned that Berkeley will start taking out lots of mature trees that provide shade and moisture for our neighborhoods. This, I hope Berkeley will involve environmental scientists in this effort.
19. Don't require removal of pruned & watered fire-resistant plants around our homes!!!
20. Please decrease street parking in the hills to make them passable.
21. I appreciate what Berkeley is doing to inform residents about fire prevention and evacuation. Let's don't forget reminders about earthquake preparedness and evacuation.
22. City has got to institute 1-side only street parking. Citizens simply and tragically will not get out.
23. Now that you have created fancy report and cutting edge ARC/GIS product, why not start spending on concrete fire prevention projects in the neighborhoods? We need a cooperative access to tree trimming and removal, or we will not do the work. Unaffordable now. Why not build a voucher program for tree removal and let us pay it back in installments on our parcel tax?
24. Parking on red flag days is a major issue- need to enforce use of driveways and single side parking. Under grounding wires would obviously reduce risk as well. All Eucalyptus groves should be cut in Tilden.
25. The single greatest improvement in fire safety would be a massive fuel reduction program in the WUI-specifically Tilden Park, EBMUD, and UC open spaces.
26. Evaluate how Evacuation warnings are determined. In 2020 there were so many warnings to evacuate my neighbors considered them White Noise because no fire occurred.
27. The entire thing is overwhelming. How will I pay for it all?
28. Most parts of Berkeley are not the kind of rural, dry, unmaintained landscape where wildfires pose the greatest concern. Houses are close together, gardens are well-watered, and the fire department is competent and never far away. Here, clearing 5ft around every house would turn the city into a barren desert and ruin one of it's better assets; it doesn't make sense to apply strategies designed for places like Paradise or rural Sonoma County to an urban area like Berkeley.
29. We are right on the border of Zone 1 and 2; on the state map we are in Zone 1
30. Would love to see more tree and vegetation removal projects in the Berkeley Hills and Tilden Park
31. I am not aware of available CERT trainings for wildfire. I've completed more earthquake-centered trainings. We need wildfire-centered trainings and speakers available for

neighborhood CERT events to educate around city-enforced veg management and home hardening requirements.

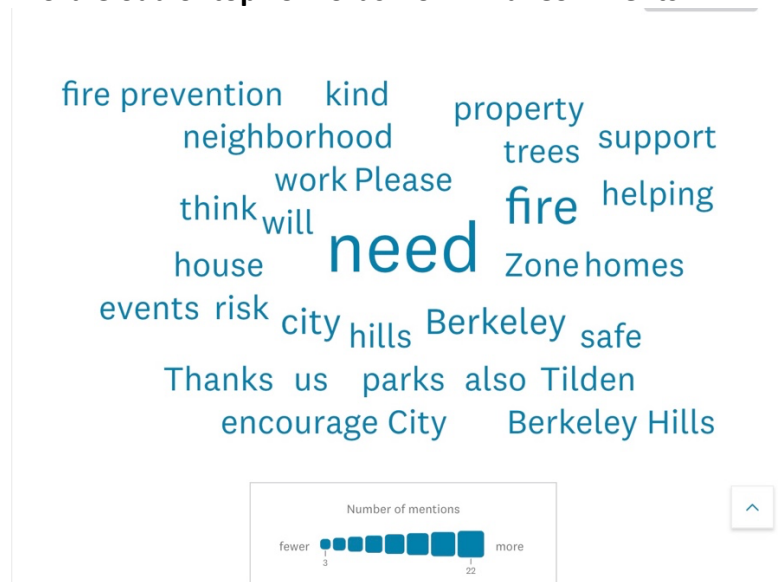
- 32.** We need to make sure that politics don't interfere with public safety by moving forward right away to clear hazardous vegetation in the hills, whether this vegetation fuel load is located on public or private property.
- 33.** Susan Wengraf has proposed a community screening of Wilder than Wild in a Berkeley park. I would be glad to work with her in assembling a panel of speakers and helping with public discussion about wildfires.
- 34.** Over past couple of years I have attended meetings hosted by Wengraf/Hahn with different folks from Fire/Police, but still am confused as to how to learn about evacuation routes in emergency situation.
- 35.** Yes as I mentioned there needs to be hardening of rental properties. This should be mandatory. Such hardening of properties should be required of both renters and landlords so both groups have to work together collectively to protect their properties and homes.
- 36.** I didn't see this anywhere in the survey, but I'm wondering if there's any effort (perhaps in conjunction with EBRPD) to get rid of the Eucalyptus trees throughout Berkeley and Tilden. A more holistic approach that includes restoration and community participation would be amazing.
- 37.** The lack of declared & enforced evacuation routes is irresponsible,
- 38.** My neighbor says "I have insurance I don't care if my house burns down". It would be great if there was a way to counter this narrative. Appealing to this particular person to be a good neighbor doesn't work. There needs to be a way to exert force of some kind to force them to do the right thing.
- 39.** Please take climate disruption seriously. If our city truly took it seriously, and moved toward just, regenerative, ecologically based solutions we could care for each other and our ecosystems for the long term.
- 40.** Thanks for asking for my opinion!
- 41.** Thank you. I got bring proactive. As a public school teacher I always worked on fire safety and evacuation and emergency plans in October.
- 42.** more talk about dangers of wildfire smoke inhalation as well, please! I was safe in my home from flames but still passed out for four hours when we went into the purple zone a couple summers ago!
- 43.** Please remove trees that overhang the streets that are our escape routes. Please remove vegetation that overhangs and surrounds the paths, if we are told to escape on foot using the paths!
- 44.** I would appreciate a better understanding of how we are going to get everyone out of the Berkeley Hills in the event of a fire. Will Marin become a two lane one-way road downhill?
- 45.** It seems obvious what needs to be done. Stop wasting our money and pave our streets instead.
- 46.** I do think this is a great effort. But I worry that the eagerness to make a fire safe city will rob this city of its trees and demand a compliance that is not realistic for a short term goal. This is a long-term problem and you all need to think of it that way. Slow change

and goals works better. Example: why don't you offer the debris bins year round? Why don't you give out those paper debris bags? I love living in Berkeley and am happy to make the effort to improve the preparedness of my property. But you need to be realistic. There are all kinds of homes here. Many that are neck in neck with others. Many that have trees that provide important shade as the temperatures are rising. One size fits all does not fit in this town. It never has.

- 47.** Glad we're doing this!
- 48.** Thanks for all your work on this vital issue!
- 49.** survey tool reported error "! This question requires you check up to 3 boxes maximum." for question with "Check all that apply" instructions.
- 50.** For zone 0 around houses: Please allow low groundcovers and/or plants < 12 inches tall that are fire resistant in order to choke out weeds!
- 51.** Three additional comments: (1) My family lives in Zone 1 in District 5 but right near the Colusa Ave. dividing line with Zone 2. Private-property conditions, on-street car-parking practices, and the general landscape and neighborhood/street development patterns up-hill of us make me nervous that Berkeley FD might not be able to stop significant wildland-urban fires at Colusa Ave. (2) I would encourage the City to explore a real-estate-transfer-tax-funded program for incentivizing wildfire-hardening home-retrofit and private vegetation-removal projects, like the existing program for seismic-strengthening home-retrofit projects. Could this be done equitably? (3) It was frustrating that this survey form only allowed one to select a maximum of 3 items in reply to question #6 above. I would have selected more things there if I had been allowed, as your prompt text indicated should have been possible: "(check all that apply)."
- 52.** Please inspect rental buildings for brush, gutter, and general upkeep
- 53.** An equitable plan must be a key consideration. Furthermore, there needs to be specific language about excluding militias in a disaster response, which will only heighten fears and hamper residents from accessing needed services.
- 54.** More coordination with east bay parks Tilden and Claremont canyon and management in the hills
- 55.** Need money for homeowners to professionally remove vegetation and replace with alternatives
- 56.** financial assistance (or free service) for very low income homeowners for some simple fireproofing measures like closing gaps on house, screening of vents, etc., and maybe hiring and training a crew that can provide some basic services, especially for seniors/low income.
- 57.** The UC needs to get those spindly eucalyptus matchsticks out of Strawberry Canyon and we need more eucalyptus removal in Tilden.
- 58.** I truly think we need to be doing all of the actions listed in question number 6 -- if you're asking me to pick the top three, you need to say that in the instructions, but also, I can't pick just three!! Also the map you link to in question 7 is confusing because it overlays the city's zones with the state's. I already know I'm in zone 2 but for someone who doesn't know their zone, I think the map at this link on the city's website is clearer: <https://berkeleyca.gov/sites/default/files/2022-04/Berkeley-Fire-Zone-Map.pdf>

59. you aren't policing Grizzly Peak or Tilden. You aren't doing anything about cars pulled off to side in Grizzly Peak...the barriers did nothing...this is the highest risk to the Hills, we had a firestarter a couple years ago starting fires just off Grizzly
60. Thanks for helping to keep our city safe!
61. Please improve bus service to the hills so that more people can use their cars less. We cannot tackle this problem effectively without reducing driving.
62. Efforts at fire prevention by those of us living in the high-fire-danger zones will benefit all of Berkeley by keeping fires from igniting and moving down the hill, potentially to the Marina. Therefore, I feel the city should cover the costs of the fire-prevention measures we undertake.
63. I strongly encourage the City to continue messaging before fire season begins (Mar, April) and to continue to fund and encourage more civic engagement through CERT trainings. Promote participation as a great way to support neighbors, promote mutual aid, encourage collaboration.
64. Lower risk here in the flats, but you never know, so want to be ready!
65. All burden placed on homeowners adding costs to already prohibitive place to live for middle class families. Risks seem exaggerated. Zone 2 is way too large. City should assist with the cost of fire prevention.
66. City should work to underground utilities.
67. (1) Underground the power lines along Wildcat, Grizzly, and within the high fire zone areas. (2) We listened to a fire chief give a talk to our neighborhood group a couple of years ago. I was honestly SHOCKED that the line of defense for a wildfire originating in Tilden is SHATTUCK AVENUE. That means the entire hillside worth of homes is lost. Are you kidding me? We need to do better. Give the firefighters more equipment. Set up more remote observation stations. Do more/better predictive fire modeling.

Word Cloud of top 29 words from Final Comments



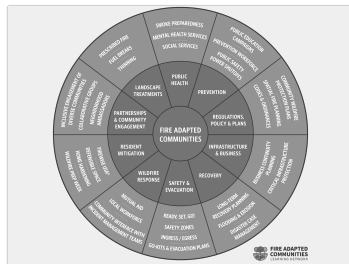
Prioritizing projects, programs and activities

Survey 2 focuses on prioritizing project programs and activities to address wildfire hazards and risks.

Fire Adapted Communities (FAC) is a national framework for community fire resilience <https://fireadapted.org/>. FAC recommends grouping the range of specific programs and activities used to mitigate wildfire hazards and risk into 10 hazard reduction strategies.

In this survey, questions 1 to 10 will ask you to select your top projects or ideas within each of the 10 strategies. In the final question you will be asked to rank the strategies. At the end you will have the opportunity to add comments or more projects or program ideas that were not covered by the strategies.

See FAC website for more detail. <https://fireadapted.org/what/>



1. Select your top two projects or ideas within the “Prevention” hazard reduction strategy (Choose two. *If you choose more your answers will not be accepted at the end of the survey.*)

- Public awareness and education campaigns
- Fire weather information (red flag alerts)
- Public safety power shutoffs
- Risk assessments of individual homes
- Prevention workforce (Education outreach staff, vegetation crews, etc.)
- Media involvement

2. Select your top three projects or ideas within the “Regulations, policy and plans” hazard reduction strategy. (Choose three. If you choose more your answers will not be accepted at the end of the survey.)

- Community planning document updates (e.g. Community Wildfire Protection Plan, Local Hazard Mitigation Plan, Safety Element and others)
- Defensible space inspections of private properties and enforcement
- Codes and ordinances (new construction requirements, retrofit, and other development standards)
- Spatial fire planning (site specific mapping, additional zoning restrictions for Zones 1, 2, and 3, project planning)
- Closures and public use restrictions during high fire danger weather
- Funding for neighborhood led projects
- Program to improve insurance affordability and availability (e.g. incentives for defensible space and home hardening)

3. Select your top project or idea within the “Infrastructure & Business” hazard reduction strategy (choose one).

- Critical infrastructure protection (power distribution, communications, cell phones)
- Road and parking improvements (Zones 2 & 3)
- Water supply, storage and delivery
- Business continuity planning (city services, private business)

4. Select your top project or idea within the “Recovery” hazard reduction strategy (choose one).

- Disaster case management capacity (support for individuals' recovery process, claims, etc.)
- Immediate to short-term recovery support (short term shelter, vulnerable populations, tenant needs, displaced workers, language barriers)
- Long-term recovery planning (long term shelter, permitting and rebuilding, environmental health, debris removal, future mitigation)
- Post-fire short-term flooding and erosion control

5. Select your top two focus areas, projects or ideas within the “Safety and Evacuation” hazard reduction strategy (choose two).

- Evacuation assistance for vulnerable populations (including advance evacuations)
- Road network (Safe passages, parking restrictions, clear roadside obstructions)
- Telecommunication infrastructure
- Ingress/ egress route planning
- Ready, set, go! Go-kits, and evacuation plans
- Communications - AC Alert, Zonehaven and Berkeley outdoor warning sirens evacuation alerting systems

6. Select your top two projects or ideas within the “Wildfire response” hazard reduction strategy (choose two).

- Mutual aid (additional external fire resources)
- Local workforce development (education and training)
- Fire ignition detection for early response (fire patrols, new technology, cameras, drones, satellites, etc.)
- Training exercises with neighboring fire departments and other first responders
- Community Emergency Response Team (CERT) activities during response
- Pre-attack planning/ training with regional partners to support local and mutual aid in firefighting

7. Select your top three projects or ideas within the “Resident mitigation” hazard reduction strategy (choose three).

- Vegetation removal around homes (create defensible space)
- City funded programs to support development of ember resistant "Zone 0" to comply with new requirement for all homes.
- Home hardening (retrofit of vulnerable structures)
- Wildfire prep week
- Organized community clean up days
- Firewise USA neighborhoods
- Assist vulnerable populations with fuel reduction

8. Select your top project or idea within the “Partnerships and community engagement” hazard reduction strategy (choose one)

- Inclusive engagement of diverse communities
- Collaborative groups (e.g. CERT, Firewise and other city/ resident engagement groups)
- Neighborhood ambassadors
- City funded engagement programs (chipping, green waste, junk pickup, tool lending library, grant writing assistance, special needs assistance program)





















9. Select your top three projects or ideas within the “Landscape treatments (large scale vegetation management)” hazard reduction strategy (choose three).

- Hazardous tree and vegetation removal on public property (e.g. parks and roadsides).
- City funded programs to support/ incentivize hazardous tree and vegetation management within 100' of a home in compliance with state and city regulations
- Hazardous tree and vegetation management along evacuation routes (Safe Passages)
- Shaded fuel breaks
- Goat grazing
- Best management practices to reduce environmental impacts during hazardous tree and vegetation management
- Removal of dead and dying trees for urban forest health (due to climate change, disease, drought, age)

10. Select your top two projects or ideas within the “Public health” hazard reduction strategy (choose two).

- Water and air quality
- Smoke preparedness (alerts, clean air centers, indoor air filters)
- Mental health services
- Social & health services (disadvantaged communities, unsheltered populations, underlying health conditions, outdoor workers)
- Financial support and stability (home insurance, health insurance, work stability)

10. Rank the groups of potential hazard reduction strategies (1= favorite to 10 = least favorite).

		Prevention
		Regulations, policies and plans
		Infrastructure and business
		Recovery
		Safety & evacuation
		Wildfire response
		Resident mitigation
		Partnership & community engagement
		Landscape treatments
		Public health

Any final comments?

Thank you for participating in our Survey!

Funding for the development of the Berkeley CWPP is provided by Measure FF, a parcel tax approved by Berkeley voters in 2020.



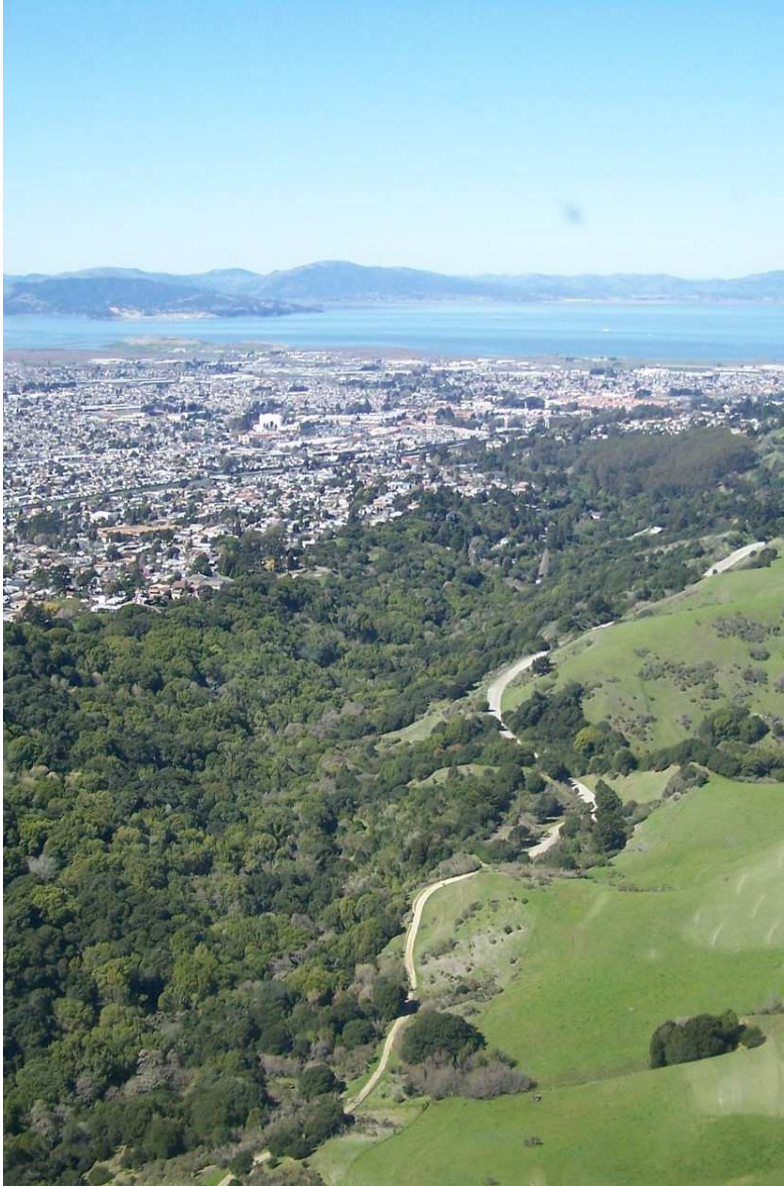
City of Berkeley Community Wildfire Protection Plan (CWPP)

CWPP Disaster and Fire
Safety Commission
Meeting #2

September 28, 2022



Agenda



- CWPP Process
- Public Engagement
 - Survey #1 Observations
 - Survey #2 on Projects and Priorities
- Hazard Description and Risk Map
- Action Plan for Implementation
 - Funding Needs & Opportunities
 - Roles and Responsibilities
- Next Steps

Berkeley CWPP Process

Engagement

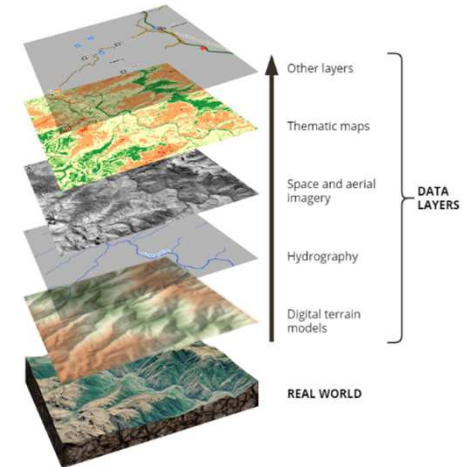
Engage interested parties

Assessment

Existing conditions + risk assessment + recommendations + priorities

Action

Finalize action plan + monitoring and update






Public Engagement

- Disaster and Fire Safety Commission Meetings
- Media Releases
- Newsletters (sign up on e-mail list)
- Surveys
- Through online City website and Hub
 - FAQs
 - Community Base Map feedback
- E-mail cwpp@cityofberkeleyinfo

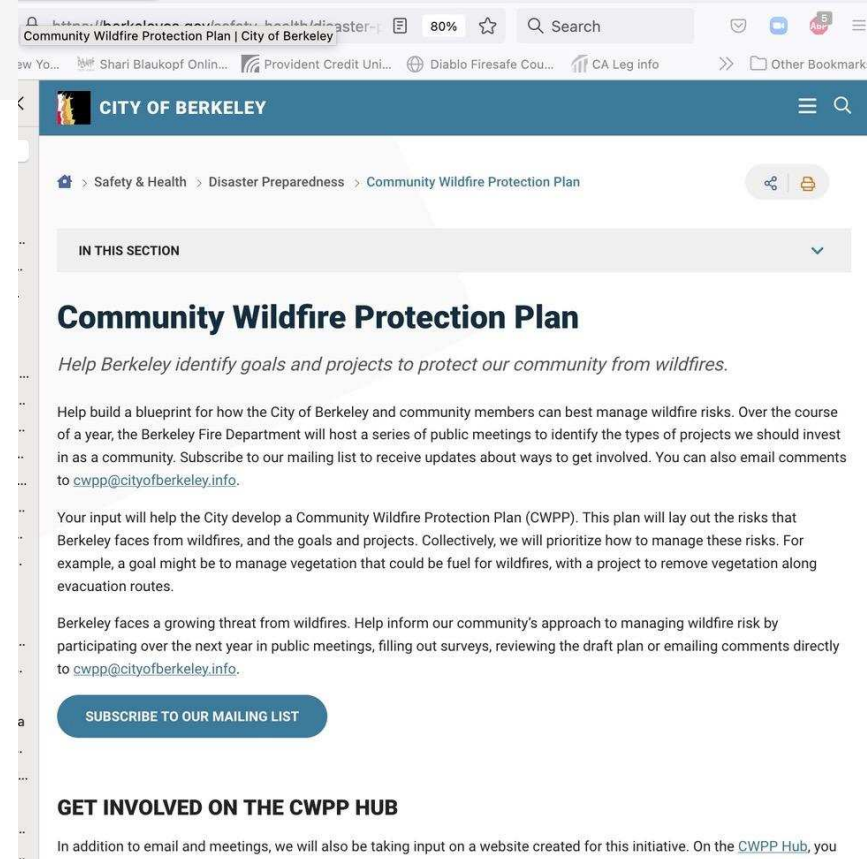
News

Subscribe to receive [news updates](#) in your email inbox,



Help shape plan to protect our community from wildfires

Attend a public meeting on August 3 and fill out an online survey by August 31 to give input on how the City and community can best reduce wildfire risk.



Community Wildfire Protection Plan | City of Berkeley

CITY OF BERKELEY

Safety & Health > Disaster Preparedness > Community Wildfire Protection Plan

IN THIS SECTION

Community Wildfire Protection Plan

Help Berkeley identify goals and projects to protect our community from wildfires.

Help build a blueprint for how the City of Berkeley and community members can best manage wildfire risks. Over the course of a year, the Berkeley Fire Department will host a series of public meetings to identify the types of projects we should invest in as a community. Subscribe to our mailing list to receive updates about ways to get involved. You can also email comments to cwpp@cityofberkeley.info.

Your input will help the City develop a Community Wildfire Protection Plan (CWPP). This plan will lay out the risks that Berkeley faces from wildfires, and the goals and projects. Collectively, we will prioritize how to manage these risks. For example, a goal might be to manage vegetation that could be fuel for wildfires, with a project to remove vegetation along evacuation routes.

Berkeley faces a growing threat from wildfires. Help inform our community's approach to managing wildfire risk by participating over the next year in public meetings, filling out surveys, reviewing the draft plan or emailing comments directly to cwpp@cityofberkeley.info.

[SUBSCRIBE TO OUR MAILING LIST](#)

GET INVOLVED ON THE CWPP HUB

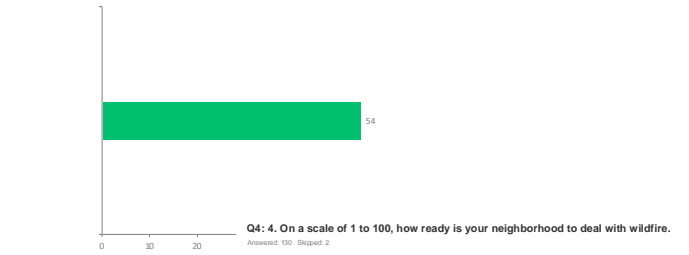
In addition to email and meetings, we will also be taking input on a website created for this initiative. On the [CWPP Hub](#), you



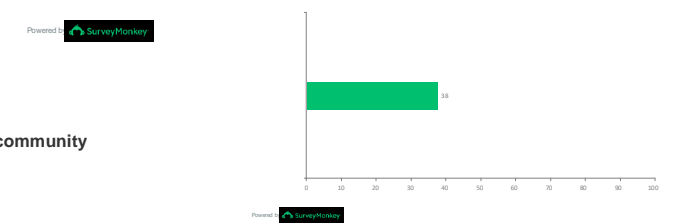
CWPP Community Survey #1 Results Posted on Hub

Q3: On a scale of 1 to 100, how ready are you and your family ready to deal with wildfire.

Answered: 131 Skipped: 1



Q4: 4. On a scale of 1 to 100, how ready is your neighborhood to deal with wildfire.



132

Total Responses

Date Created: Friday, July 22, 2022

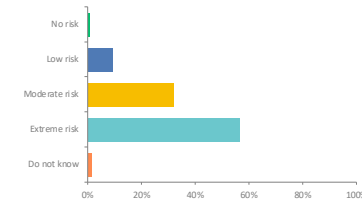
Complete Responses: 132

Berkeley CWPP 2022 - Survey 1

Friday, September 16, 2022

Q1: How great a risk do you think wildfire poses to your community (chose one)

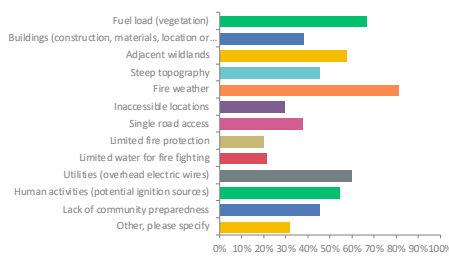
Answered: 131 Skipped: 1



ANSWER CHOICES	RESPONSES
No risk	0.769
Low risk	9.169
Moderate risk	32.069
Extreme risk	56.499
Do not know	1.539

Q2: Check those factors you think add to your neighborhood's risk of wildfire (check all that apply)

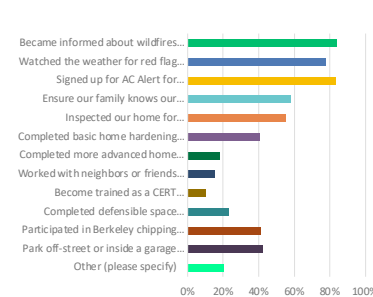
Answered: 131 Skipped: 1



ANSWER CHOICES	RESPONSES
Fuel load (vegetation)	66.41%
Buildings (construction, materials, location or design)	41.22%
Adjacent wildlands	41.22%
Steep topography	41.22%
Fire weather	41.22%
Inaccessible locations	41.22%
Single road access	41.22%
Limited fire protection	41.22%
Limited water for fire fighting	41.22%
Utilities (overhead electric wires)	41.22%
Human activities (potential ignition sources)	41.22%
Lack of community preparedness	41.22%
Other, please specify	41.22%
TOTAL	131

Q3: What actions have you taken to prepare your family, home, property and community to reduce the risk of wildfire? (check all that apply).

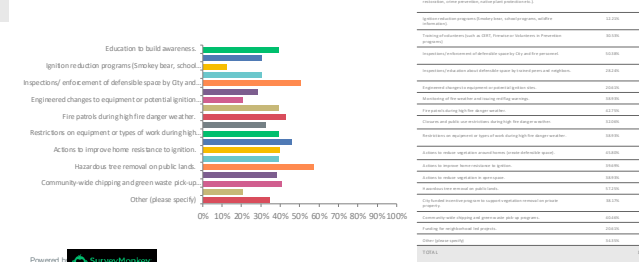
Answered: 128 Skipped: 4



ANSWER CHOICES	RESPONSES
Became informed about wildfires and what we can do as a family to reduce the risk.	83.59%
Watched the weather for red flag days and taken ignition reduction actions.	77.34%
Signed up for AC Alert for emergency communications (https://aclar.org/emergency/alert/).	82.81%
Ensure our family knows our "zone" for evacuation (https://myzone.berkeley.com/).	57.82%
Inspected our home for vulnerable areas and done easy ignition prevention actions.	54.69%
Completed basic home hardening retrofits (DIY projects: screen vents, gutter covers, chimney screens, caulk gaps etc.).	39.84%
Completed more advanced home hardening retrofits (contractor projects: double pane windows, endorse eaves, class-a roof etc.).	17.97%
Worked with neighbors or friends to reduce chance of wildfire around our homes.	14.84%
Become trained as a CERT volunteer, active in Firewise, or fire patrols during red flag.	10.16%
Completed defensible space inspection requirements.	22.68%
Participated in Berkeley chipping and green waste pick-up program.	40.62%
Park off-street or inside a garage to improve fire engine access along our narrow street.	42.19%
Other (please specify)	42.19%

Q6: In developing Berkeley's Community Wildfire Protection Plan we are exploring a variety of actions to reduce the risk of wildfire to neighborhoods. Which of the following recommendations do you think would be effective for your neighborhood? (check all that apply)

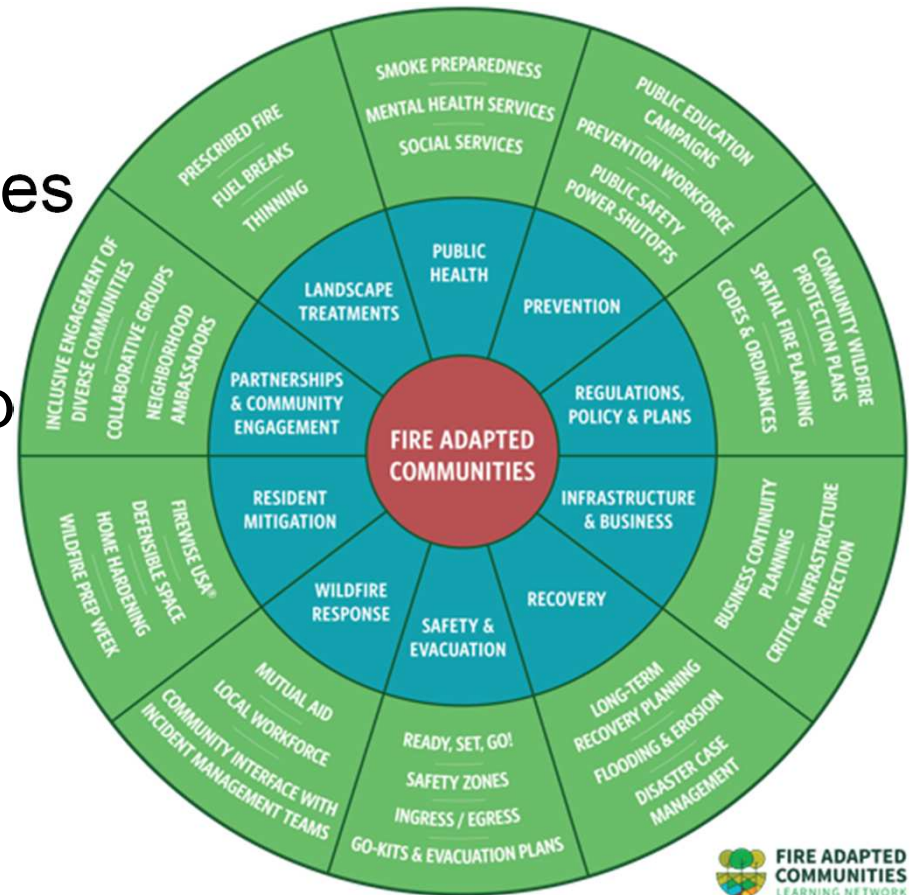
Answered: 131 Skipped: 1



ANSWER CHOICES	RESPONSES
Education to build awareness (Smiley bear, school inspections/enforcement of defensible space by City etc.)	100.00%
Ignition reduction programs (Smiley bear, school inspections/enforcement of defensible space by City etc.)	100.00%
Fire patrols during high fire danger weather	100.00%
Restrictions on equipment or types of work during high fire danger weather	100.00%
Actions to improve home resistance to ignition	100.00%
Hazardous tree removal on public lands	100.00%
Community wide chipping and green waste pick-up program	100.00%
Other (please specify)	100.00%

CWPP Community Survey #2

- Aimed at establishing priorities
- Using Fire-Adapted Communities
- Organized via 10 strategies
- Survey asks for selection of top projects or ideas per strategy
- Final ranking of strategies





City Website

Fire Disaster Preparedness

Help shape plan to protect our community from wildfires

Attend a public meeting on August 3 and fill out an online survey by August 31 to give input on how the City and community can best reduce wildfire risk.



Published: July 29, 2022 Last Updated: August 2, 2022

Share your thoughts via an [online survey](#) or at an upcoming meeting as we start developing a plan to best protect the Berkeley community from wildfires – which are more frequent, destructive, and fast-moving than ever.

In the survey, we'll want to know how you see your community's risk level, what risks you see, and what actions you think will help your neighborhood. Please complete the survey by August 31.

Your input over the next eight months will help us develop a plan that will lay out the hazards and risks that Berkeley faces from wildfires, and identify key goals, programs, and projects to manage those hazards and risks.

Throughout the fall and winter, we will have more opportunities for you to share feedback, including interactive maps, virtual meetings, and online surveys. We aim to finalize the plan by March 2023.

[Newsletter Release #2 – for media release & posting on website](#)
For Releases 9/22/22

Help shape projects and priorities to protect our community from wildfires

Key Message: Use online tools, email, or public meetings to prioritize programs, projects and activities the City of Berkeley and community members can use to best reduce wildfire hazards and risks.

Share your thoughts via the [second online survey](#) on programs, projects and activities to protect the Berkeley community from wildfire.

In the survey, we will offer a framework with 10 types of hazard reduction strategies and want to know how you prioritize various programs, projects and activities. Please complete the survey by October 31st.

Your continued input will help the City of Berkeley develop a Community Wildfire Protection Plan. This plan will lay out the hazards and risks that Berkeley faces from wildfires, and identify key goals, programs and projects to manage those hazards and risks.

Attend the second meeting on September 28

Learn about wildfire hazards and risks in Berkeley, as well as preliminary ideas for program, projects and activities. Learn more about the tools you can use to submit your input into the process at our second meeting:

Disaster and Fire Safety Commission
Wednesday, September 28
7:00 pm–9:00 pm
Join on Zoom <https://us06web.zoom.us/j/81595546232>

During this meeting, staff will share the developing Community Wildfire Protection Plan, a tool many other cities and counties use to prepare for wildfires. The second meeting will cover:

- Recap of process and timeline for developing the plan, along with an overview of the first meeting and [community base map](#).
- Information on how to share your ideas throughout the planning process.
- Wildfire hazards and risks in Berkeley and potential hazard reduction strategies.
- Preliminary projects and priorities ideas.

Other ways to get involved

Fill out the [second online survey](#) by October 31st to tell us what strategies you support to reduce wildfire risk and your priorities for programs, projects and activities.

Sign up to our mailing list to receive updates on how to get involved. Future input opportunities will include online surveys and an interactive map. You can also send comments at any time to cwpp@cityofberkeley.info.

Make a plan to attend a future Disaster and Fire Safety Committee meeting to discuss this project:

Draft 9/16/22 for review at Core Team Meeting Wednesday 9/21/22

Page 1 of 2

Draft 9/16/22 for review at Core Team Meeting Wednesday 9/21/22

Page 2 of 2

CWPP Hub

City of Berkeley CWPP Hub

Maps to support a wildfire resilient city.

This website is being used to inform and collect feedback on the maps used in the City of Berkeley's effort to create a Community Wildfire Protection Plan (CWPP). Help us by perusing the map tools on this site and providing feedback. Scroll down for more information or to use our tools.

Map Gallery

Use these tools to explore the CWPP's mapped data.

Come back for additional maps as we develop more!



Berkeley CWPP Community Base Map

A web app used to showcase the City of Berkeley's Community Wildfire Protection Plan (CWPP)...



Map Your Project Web Map App

A web map application to gather project locations throughout the City of Berkeley and surroundin...



Fire Hazard Severity Zones

A map showing CAL FIRE's Fire Hazard Severity Zones (FHSZ) within the city of Berkeley as...



City of Berkeley Council Districts

A map showing districts within the City of Berkeley.



How to Use this Hub

A short tutorial on how to use the City of Berkeley's Hub, Community Base Map, and other online tools.



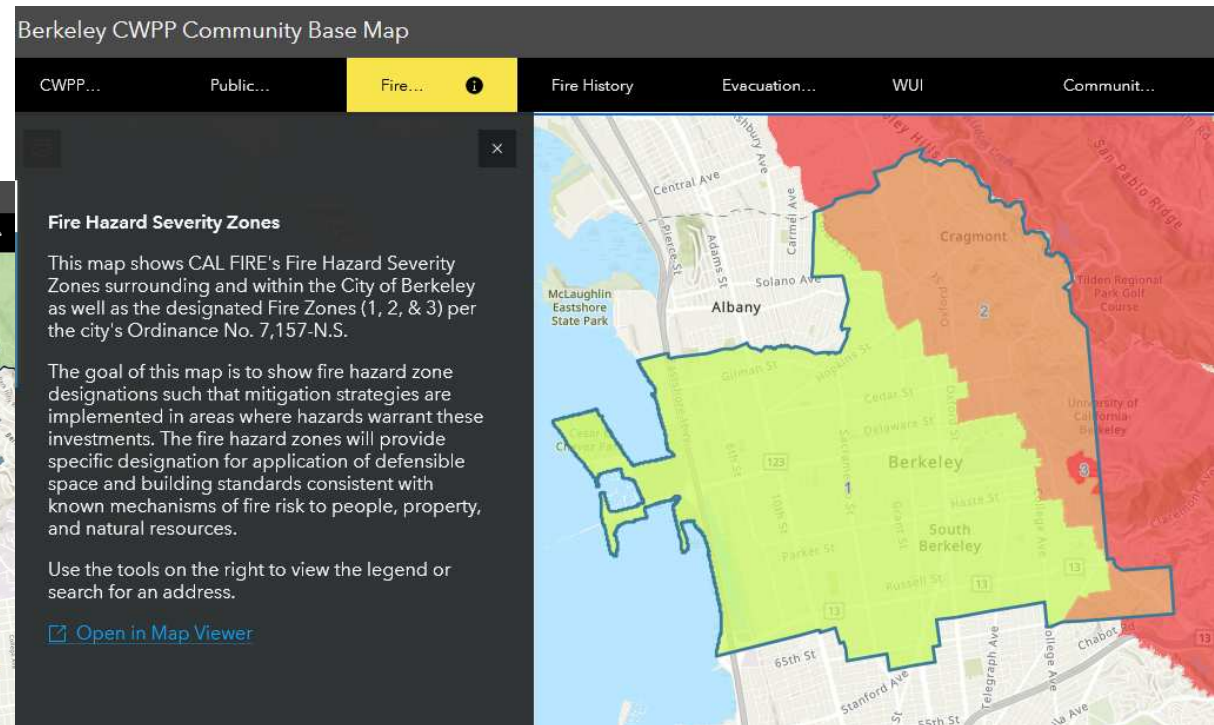
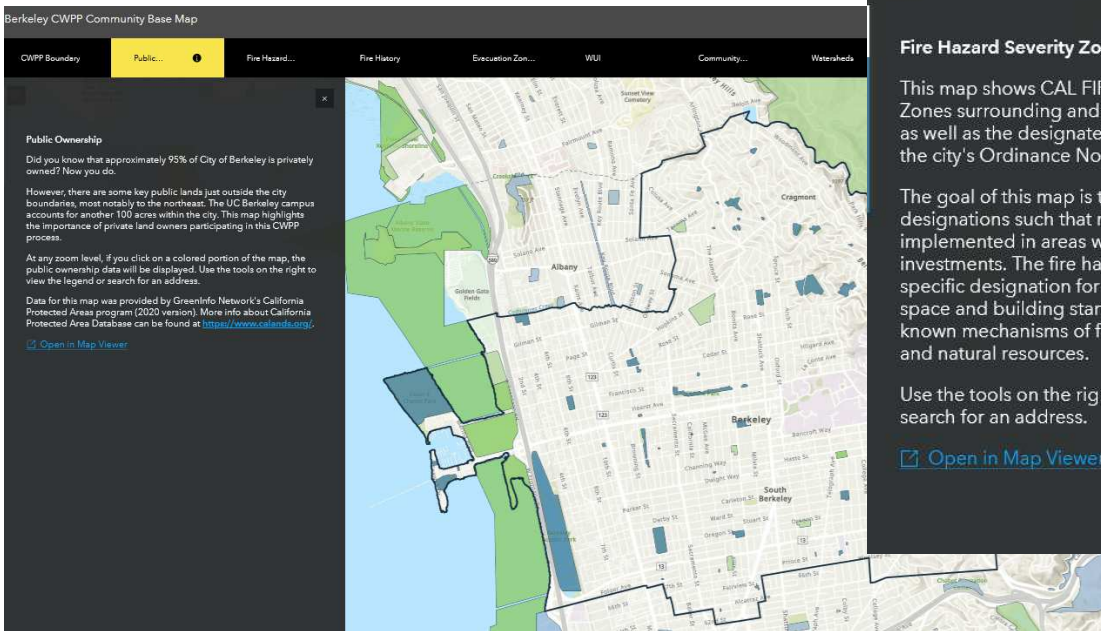
Frequently Asked Questions

Frequently Asked Questions



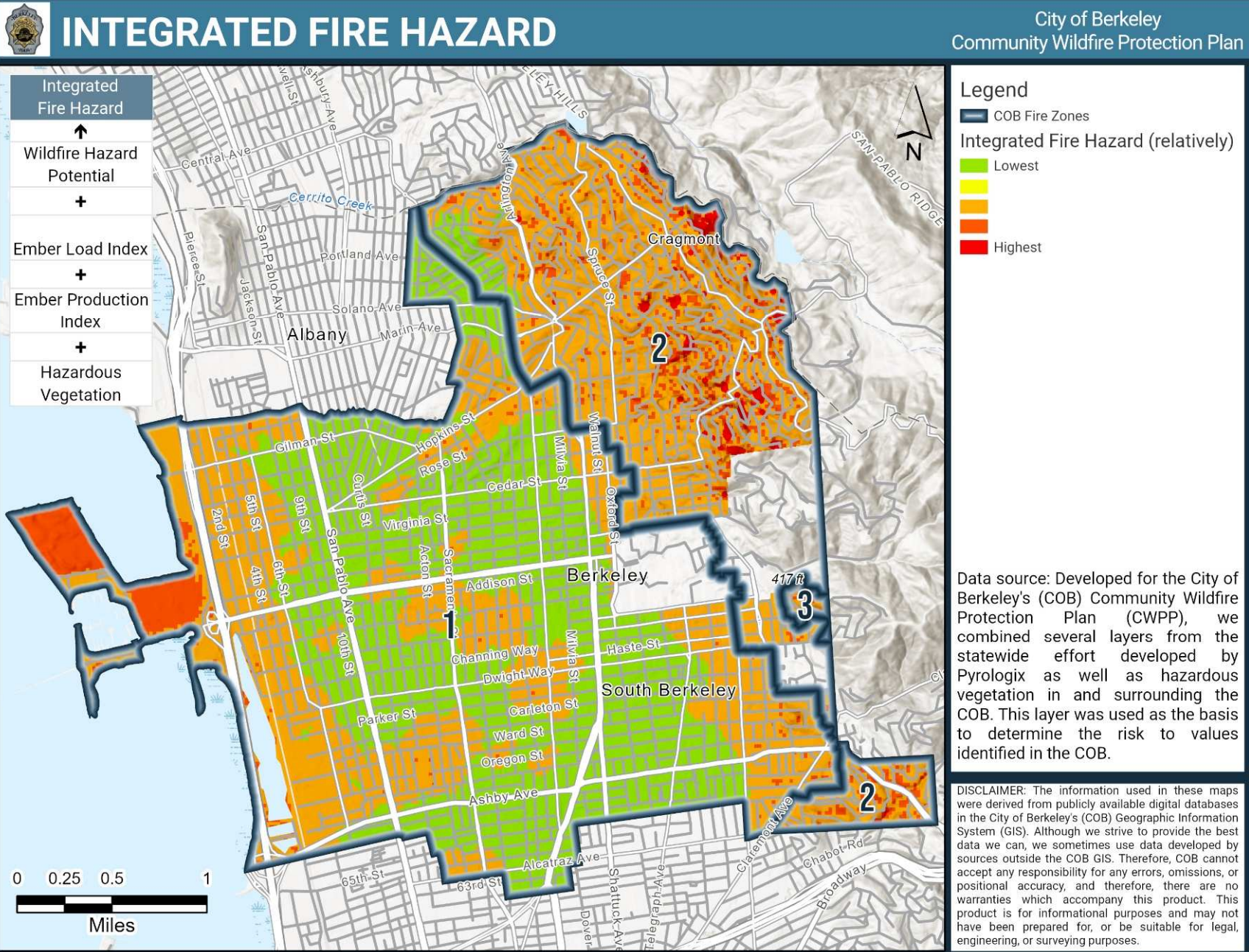
CWPP Hub: Community Base Map

- Opportunity to find out about existing conditions, with maps
 - Covers CWPP boundary, public ownership, fire hazard, fire history, evacuation zones, community assets, topography and watersheds, vegetation and fuel reduction projects



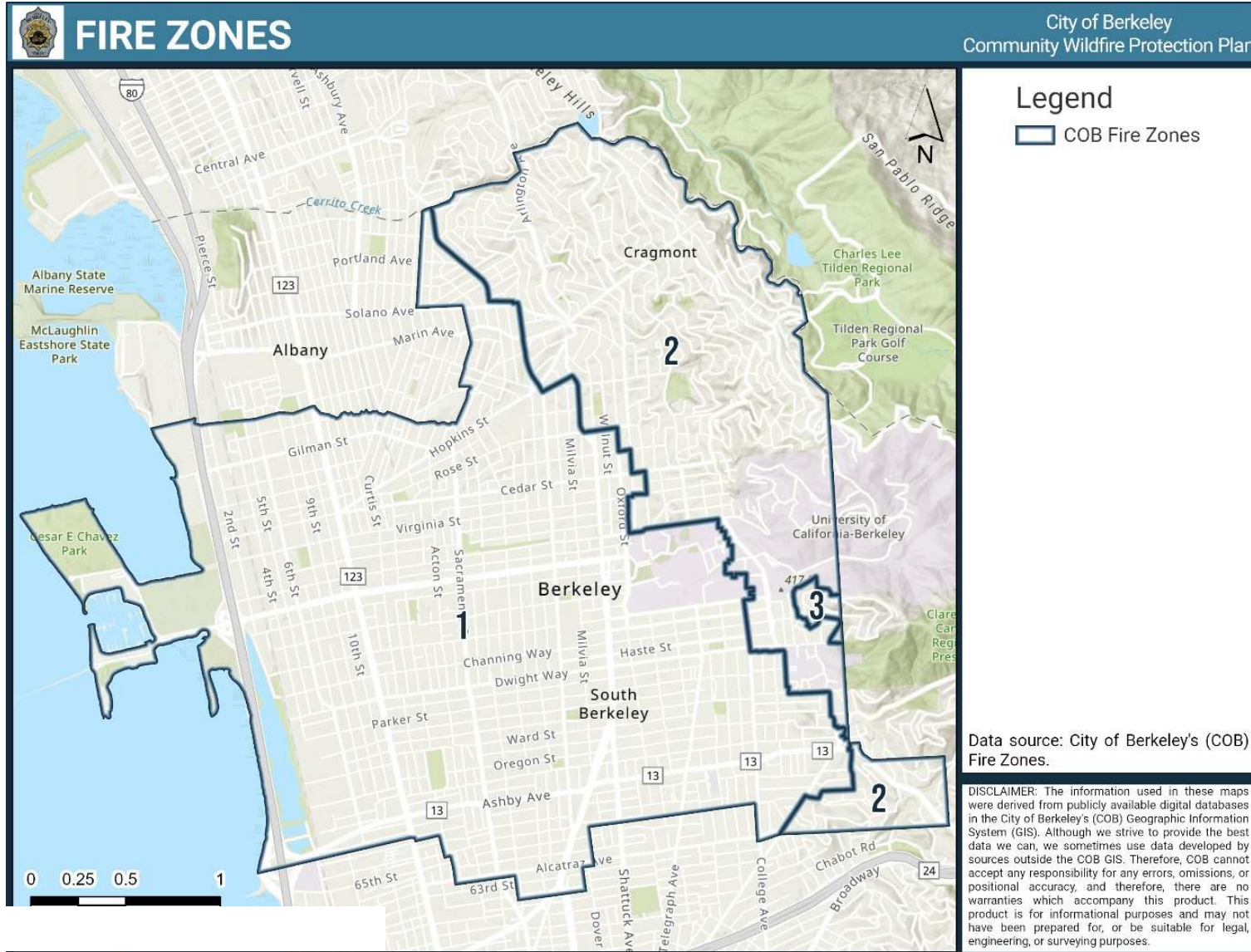


Fire Hazard Description





CWPP Map of Risk





Action Plan for Implementation

- Funding Needs & Opportunities
- Roles and Responsibilities

Example of Action Plan from another CWPP



	PROJECTS	Treatment Location	Primary Beneficiaries	Type of Funding Request	Funding Source	Funding Lead
1	Install 911 signs and address badges that indicate access and water supply	County-wide	Homeowners, firefighters	production, installation,	FSCs, grants offering small	FSCs
2	Promote creation and maintenance of					
b	Through programs that inform and fund work in disadvantaged households	Private parcels, throughout	Homeowners	Community Outreach+Education	SRA Fire Prev Fee, HRA	OCFA, Other FD
c	Through homeowner evaluation program that informs homeowners of actions to take	HOAs	HOAs	Community Outreach+Education	SRA Fire Prev Fee, HRA	OCFA, Other FD
3	Develop a geodatabase of					
a	Projects planned and completed and maintained. This would include projects performed by firesafe councils, CAL FIRE, cities, county land trusts, and other large landowners	County-wide	All stakeholders	Staff time, contract costs	Willing partner	Willing Partner



Next Steps

Coming Soon!

- Community Survey #2 about Projects and Priorities
- Newsletter #2 about Projects and Priorities

Coming in December

- Community Survey #3, about the Action Plan
- Newsletter #3 and Media Release
- DFSC meeting #3 December 7, 2022
- CWPP Admin Draft Jan 25, 2023



Thank you!

Questions?

E-mail cwpp@cityofberkeleyinfo

Berkeley Disaster and Fire Safety Commission

Draft WORK PLAN – FY 2023-2024

Mission Statement

The Disaster and Fire Safety Commission serves as the public oversight body for Berkeley’s Measure GG and Measure FF funds, charged with reviewing the budget on a regular basis to ensure that the funds are spent in accordance with the intent of the voter approved measures, recommending the appropriate annual increase to the tax rate, and recommending new programs and policy positions requiring Measure GG and Measure FF funding. The ultimate goal of the Commission is to increase community safety, resilience, and education for community disaster preparedness. The Commission also reviews and makes recommendations on items referred by the City Council or other Commissions.

Summary of FY 2023-2024 Work Plan Activities

GOAL	Activities	Expected Outcomes	Commissioners
1. Budget Oversight	a) Review BFD materials on a monthly and quarterly basis b) Meet monthly as Finance ad hoc working group with FD to review monthly materials c) Track financial issues related to FF & GG with the City Council	a) Provide input/approval of quarterly budget b) Provide annual budget recommendation City Council on FF & GG c) Provide recommendation to City Council on annual GG increases d) Provide City Council recommendation for midyear program corrections (ad hoc)	Rotating group of commissioners on a quarterly basis hosted by Chair / Chief (see proposed cohorts)
2. Home hardening	a) Lead review of monthly inspection report b) Review sessions with Fire Marshal c) Listening sessions with Building Department	a) Provide recommendation to City Council on annual inspection program targets b) Provide recommendation to City Council on building code modifications for Fire Safety (ad hoc)	<ul style="list-style-type: none"> • P. Degenkolb • W. Bradstreet • S. Dean
3. Wildland-urban interface (WUI)	a) Participate in and promote CWPP process b) Provide input to CWPP consultant c) Review vegetation management program	a) Provide monthly report and input to CWPP working group team & report to commission b) Provide recommendation to City Council on CWPP report or additions/edits to report c) Provide recommendation to City Council on vegetation management program	<ul style="list-style-type: none"> • N. Radar • JL. Bedolla • T. Simmons

<u>GOAL</u>	<u>Activities</u>	<u>Expected Outcomes</u>	<u>Commissioners</u>
4. Safe passages	a) Review previous safe passages program and its component parts (parking restrictions, red curb, notification alerts, evacuation planning) b) Meet with community members for intake c) Absorb CWPP report	a) Restart of Safe Passages Program b) Formation of team/committee to develop plan c) Provide recommendation to City Council on draft revised Safe Passages program	<ul style="list-style-type: none"> • JL. Bedolla • K. Cutler • A Stein
5. Community Outreach	a) Work with FD on educating the public on disaster and fire safety programs b) Coordinate / alert commission of potential outlets for information c) Follow / facilitate / support meetings with community groups d) Follow to conclusion external emergency speaker system e) Track Commission recommendations / status	a) Provide recommendation to City Council on mid-program changes to current communications plan b) Provide City Council recommendation into annual communications plan	<ul style="list-style-type: none"> • S. Dean • A. Stein • T. Simmons

Proposed Cohorts

Host: Chief, Chair

Cohort A:

- S. Dean
- N. Radar
- P. Degenkolb

Cohort B:

- W. Bradstreet
- T. Simmons
- K. Mai Cutler

Cohort C:

- A. Stein
- W. Bradstreet
- J. Bedolla