

Marin County Community Wildfire Protection Plan (CWPP)

2018 Accomplishment Report

CWPP - Key Goals and Action Items

Goal 1. Continue to identify and evaluate wildland fire hazards and recognize life, property, and natural resource assets at risk, including watershed, wildlife habitat, and other values of functioning ecosystems.

- Continue to collect, analyze, and maintain multi-agency hazard and resource GIS data.
- Maintain an accessible online GIS portal to store and share the multi-agency maps and data developed throughout this CWPP process.
- Utilize the GIS information and modeling results presented in Section 5 of this CWPP for pre-fire planning, and to collaboratively develop priorities for projects throughout the county.
- Develop an inventory of structures with shake and shingle roofing material in each jurisdiction to identify and target education efforts and the need for roof conversions.
- Consider ways to improve the coverage of the fire detection cameras.
- Consider ways to use drone technology for fire protection.

Goal 2. Articulate and promote the concept of land use planning related to fire risk and individual landowner objectives and responsibilities.

- Continue to promote the concept of land use planning as it relates to fire risk and landowner responsibilities; identify the key minimum elements necessary to achieve a fire safe community and incorporate these elements into community outreach materials and programs.
- Continue to implement the structural ignitability activities outlined in Section 7.2.
- Develop outreach materials outlined in Section 7.1.1.
- Coordinate with county and local government staff to integrate Firewise approaches into planning documents and ordinances.
- Identify approaches to increase the number of WUI properties inspected each year.
- Continue to support community chipper programs to encourage compliance with defensible space and vegetation management requirements.
- Continue the structure ignitability efforts currently in place (see Section 7.2).
- Consider how to make the tree removal process less cumbersome and less expensive.

Goal 3. Support and continue to participate in the collaborative development and implementation of wildland fire protection plans and other local, county, and regional plans that address fire protection and landowner objectives.

- Work collaboratively with county, local, and regional agencies and landowners to develop fuel reduction priorities and strategies based on this CWPP, local CWPPs, and/or other regional plans.
- Support the development and implementation of local-scale CWPPs.
- Provide a collaboration mechanism between private property owners (and Home Owners Association and large land owners (i.e., MCOSSD, MMWD, NPS)

- Consider the creation of transition zones (areas between developed residential areas and open space areas) where additional defensible space or additional vegetation clearance is needed.

Goal 4. Increase awareness, knowledge, and actions implemented by individuals and communities to reduce human loss and property damage from wildland fires, such as defensible space and fuels reduction activities, and fire prevention through fire safe building standards.

- Continue to implement the defensible space and outreach activities outlined in Section 7.2.
 - Develop outreach materials outlined in Section 7.1.1.
 - Continue inter-agency coordination with Marin’s fire service community and other partners to maintain a community presence and to develop and distribute public information regarding fuel reduction efforts throughout the county.
 - Educate landowners, residents, and business owners about the risks and personal responsibilities of living in the wildlands, including applicable regulations and prevention measures and preplanning activities.
 - Continue efforts to partner with neighborhoods located in WUI area to educate them on becoming fire adapted or Firewise communities.
 - Continue to educate and prepare communities through an emphasis on the Ready, Set, Go! and the Firewise community programs, and create and support venues in which individual community members can be actively involved in local fire safe councils, community emergency response teams, and other community-based efforts in order to develop readiness plans and educate landowners to mitigate the risks and effects of wildland fire.
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- Continue to increase education and awareness about structural ignitability and defensible space; develop and distribute educational materials to vendors and contractors who sell or install fire resistant materials and make these materials available at local home improvement stores.
 - Increase the number of annual defensible space inspections and increase enforcement.
 - Consider providing defensible space financial assistance for senior citizens.
 - Better enforce defensible space compliance with absentee property owners.
 - Develop and distribute more information about fire resistant landscaping.
 - Create a fire blog.
 - Develop an App for evacuation route information.

Goal 5. Integrate fire and fuels management practices with landowner priorities and multiple jurisdictional efforts within local, state, and federal responsibility areas.

- Continue to implement the vegetation management and fuel reduction activities outlined in Section 7.2.
 - Continue implementation of the countywide fuel break and fire plan implementation.
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- Continue to implement and maintain vegetation management projects along highly-traveled roadways and access points into all public lands in order to minimize ignitions.
 - Prioritize evacuation routes for fuel reduction programs
 - Develop traffic congestion controls along evacuation routes
 - Implement stronger parking enforcement along evacuation routes
 - Continue to maintain foot trail network in Mill Valley
 - Implement maintenance program for foot trail network in Fairfax
 - Encourage community-level drills for evacuation preparedness
 - Develop a program to address fuel reduction on vacant properties.

- Consider grazing as a fuel reduction strategy.
- Consider if additional vegetation reduction are required from roadways that are key evacuation routes into or out of a particular neighborhood
- Create extended or enhanced vegetation fuels management along all identified evacuation routes from developed residential and open space areas.
- Create transition zones to extend shaded fuel breaks between developed residential areas and open space areas.
- Identify and implement vegetation management projects in priority WUI communities throughout the county.
- Work to reduce regulatory barriers that limit hazardous fuels reduction activities (e.g., tree removal process).
- Use the published science on fire ecology to assess the costs, benefits, and best implementation tools for different fuels reduction and vegetation management strategies that are intended to reduce fire risk to lives and property.
- Continue to develop strategic partnerships and funding opportunities with local industries to support fuel reduction projects.

Agency/Department /District Accomplishments

Bolinas Fire

Awareness:

- Wildfire preparedness and emergency preparedness presentations were made at two community meetings for approximately 250 residents
- Updated and bulk mailed Living With Fire in Bolinas to all property owners
- Multiple articles submitted to local paper promoting wildfire preparedness and the importance of evacuation routes
- Formed a committee with the local utility district to address encroachments into the non County maintained roads
- Continue to partner with Marin County Fire Department on standardization of 4291 inspections, emergency notifications and evacuation policies.
- Research multiple emergency notification systems including installation of siren system

Implementation:

- District made available \$10,000 to neighborhoods in support of vegetation clearing along non County maintained roads. Three neighborhoods conducted road clearing work
- Prioritized main evacuation routes and partnered with the local utility district to clear vegetation along non County maintained roads
- Partnered with Local utility district to secure grant funding, completed large scale hazard fuel reduction project on utility district land
- Held wildfire evacuation drill attended by 200 residents

Central Marin Fire Department

Goal 1.

- Evaluating our currently adopted WUI maps and adding an area in East Larkspur (Drakes Cove Sub-division). This area has been built out since the initial WUI map was developed.
- Tested/evaluated the capabilities of the LRAD mass notification system to take the place of a non functional and out dated warning siren.
- Firewise, defensible space, and emergency preparedness presentations were made to the following Home Owners Associations and neighborhoods.
 - Madera Del Presidio HOA
 - Madrone Canyon wildfire safety presentation

- Greenbrae Property Owners Association (Firewise)
- Hidden Valley neighborhood (Firewise application)
- Corte Madera's Willow neighborhood
- Christmas Tree Hill NRG
- Blue Rock NRG (Firewise education)
- Meadowcrest neighborhood (Firewise application)

Goal 2.

- Increased community notifications on red flag days through social media.
- Mailed a defensible space outreach flyer to all 3615 homes within the WUI.

Goal 3.

- Working with the Larkspur Planning Department on updating the Hazard Mitigation and General Plans in relation to wildfire safety.
- Identifying areas where shaded fuel breaks can be created between the communities and Open Space District.
- Collaborating with Mill Valley Fire, Marin County Open Space District, and the Meadowcrest neighborhood to improve fuel breaks.

Goal 4.

- Continually working with the communities that have only one egress route to establish an early emergency/evacuation plan.
- Collaborated with the Corte Madera Public Works Department to host a 2-day jurisdiction wide community chipper weekend, and 2 neighborhood chipper days within the Meadowcrest neighborhood.

Goal 5.

- Continually evaluating and identifying primary and secondary evacuation routes.
- Working with Corte Madera DPW to identify where lanes, stairs, and paths are located and which require maintenance and/or improvement.

Kentfield Fire District

Preparedness and Education:

- Kent Woodlands receives FIREWISE USA recognition
- Mailed "Homeowner's Guide to Wildfire Preparedness in Marin County" with Kentfield Specific advice to all property owners in the WUI (2500) in 94904
- Coordinated a community-wide awareness/educational activity through residential Defensible Space Inspections to increase wildfire risk reduction actions and overall preparedness:
 - Delivered via door-to-door, information on the community's wildfire danger.
 - 473 Defensible Space property assessments and inspections conducted between May 1 and September 14, 2018.
- Completed a national Wildfire Community Preparedness Day project (1st Saturday in May)
- Wildfire related article(s) placed in the community newsletter:
 - "Fire Safety Special: Four Things Every Homeowner Needs to Do Before Fire Season"
 - "What to Do If the Fire Department tells you that you must remove a tree"
 - "Wildfire Preparedness: Removing Fire Hazards from your Property"
 - "Wildfire Evacuation Preparation"

- Wildfire workshop for residents with speakers/demonstrations from a forestry agency, fire department, or emergency management office:
 - "Fire in Marin Seminar" hosted by FIRESafe MARIN, 19 Kent Woodlands residents attended.
 - "Firewise Walk" with Goodhill Road residents to review preparedness and vegetation management.

Vegetation Removal Activity

- Resident reported vegetation removal:
 - 1944.00 yards of vegetation removed from Defensible Space Zones

Evacuation Route Fuel Reduction

- 7 roadside vegetation clearance projects identified by KFPD and conducted by County of Marin and MMWD.

FIRESafe Marin

- Held a Firewise Workshop for communities interested in participating or growing the Firewise USA program with 90 participants
- Supported the creation of 21 new Firewise USA sites, bringing Marin from 9 Sites to 30, and leading the United States in growth and California in number of recognized sites.
- Hosted 9 "Fire in Marin" seminars in coordination with community volunteers.
- Coordinated and/or funded through matching grants 33 community chipper day events in 14 communities
- Coordinated Goat Grazing partnership with 9 agency and private partners, reducing vegetation on 340 acres and creating more than 3 miles of ridgetop fuel breaks.
- Hosted 24 neighborhood "Firewise Walks" as education events for Firewise sites and individual neighborhoods.
- Spoke at 18 neighborhood forums and HOA meetings or events.
- Hosted Table at Civic Center Farmers market.
- Hosted table at Novato Art and Wine Festival.
- Delivered presentation and hosted table at Assemblymember Mark Levine Wildfire Forum.
- Delivered presentations to 4 fire-board and/or council meetings.
- Website served over 200,000 unique visitors, with 1.3 million page reviews, rising to #4 on the Google worldwide page ranking for terms "Defensible Space" and "Wildfire Preparedness"
- Redesigned, printed, and distributed 30,000 "Wildfire Preparedness Fire Marin Residents" brochures
- Designed, printed, and distributed 20,000 "Wildfire Evacuation Checklists and Family Communication Plan" brochures
- Produced 60 articles for 18 email newsletters to an audience of 5,000.
- Managed PG&E Vegetation Management Grant for roadside evacuation route clearance.
- Provided speakers at 5 community wildfire forums
- In coordination with community volunteers and MCFD, reviewed and updated content of "Living With Fire" seminar and assisted in promotion of 9 public presentations.
- Wrote or assisted with 3 successful grant applications for 2019 education and fuel reduction programs.

Marin County Fire Department

Goal 1.

- Ongoing work to make CWPP fire analysis on line maps available for the public & fire and land management agencies thru ARCH GIS Online mapping site.
- Provided numerous consultations on vegetation management alternatives for private land owners to reduce fire hazard.
- Ongoing contract with STI to develop a parcel level structure ignitability assessment for Marin County.

- Participated on several presentation panels and as a member of Lessons Learned 2017 North Bay Fire Siege.
- On going coordination with DPW on evacuation route vegetation management priorities.
- Hosted a coordination/information meeting with PG&E and Town, City, County Public Works departments on vegetation management and wildfire safety program.
- Provided input to County Mitigation planning efforts.
- Made several presentations on fire preparedness and CWPP to local Marin Disaster Councils.

Goal 2.

- Dedicated defensible space inspections on 3000 residences in SRA and CSA 19 utilizing the CALFIRE Collector Application ARCH GIS ONLINE program.
- Presented information to 10 HOAs/neighborhood groups on defensible space program, READY, SET, GO, & FIRESafe Marin.
- Working with San G Valley Senior Community services to provide information on fire preparedness and evacuation planning and registration for ALERT MARIN.
- Conducted numerous community Meetings in West Marin to increase homeowner education on fire preparedness, ALERT Marin registration, and reducing structure ignitability.
- Conducted an Evacuation Drill in San Geronimo Valley.
- Worked with neighboring fire districts and property managers to assess vegetation management issues on county properties adjacent to open space and private lands.
- Coordinated with PG&E and NPS on vegetation management issues along powerlines in Inverness.
- Consulting and supporting numerous non profits, departments etc on grant opportunities for fire hazard reduction and fire planning.
- Coordinated installation of new fire cameras.
- Continued coordination of Public and Agency alerts & notification of Red Flag Warnings and Red Flag Watches – created a consistent message for all agencies to distribute.

Goal 3.

- Tam Fire Crew – expanded/staffed a second Tam Fire Crew 2 with funding support from the NPS. Crews completed fire hazard reduction projects for land management agencies and local large private landowners at Hill Ranch, San Domenico School fuel reduction, National Park Service – cut, pile, chip dead Bishop Pine in Inverness Paradise Ranch Estates on the NPS boundary, Parks and Open Space – Acacia removal Old St Hillary’s, MMWD burn prep and planning support, NPS and Marinwood CSD on Queenstone and Orchard Fire Road maintenance, Novato City Defensible Space project on Circle Drive.
- Conducted fire insurance hazard assessments for various homeowners in West Marin and Unincorporated areas.
- Updated Unit Fire Plan to reflect CWPP.
- Completed MCFD Fire Danger Operating Plan.
- Managed and supported agencies and non- profits on submission and completion of multiple CAL FIRE Prevention Grants applications.
- Provided planning and implementation for the FIRESafe Marin’s FIREWISE workshop.
- Ongoing updates coordination of Marin Mutual Threat Zone mapping.

Goal 4.

- Defensible space flyers mailed to 8000 residents in SRA
- Hosted 2 Green Waste weekends in partnership with County of Marin and West Marin Compost.
- Conducted defensible space inspections including distribution of fire educational and preparedness material son over 3000 properties.
- Presented information to 10 HOAs/neighborhood groups on defensible space program, READY, SET, GO, & FIRESafe Marin.
- Provided defensible space services to 2 senior property owners.
- Contacted numerous absentee/vacant lot property owners on defensible space requirements.

- Consulted several neighborhoods on FIREWISE process, defensible space and emergency procedures.
- Provided training on defensible space inspection process to department personnel.
- Conducted 3 FIREWISE Assessments for neighborhoods in West Marin. Kent Palm, Conifer/Fir, Paradise Ranch Estates.
- Facilitated and documented Lessons Learned 2017 North Bay Fire Siege Subcommittee Report.
- Coordinated updated Evacuation process and terminology training with OES, Sheriff and Fire Chiefs.

Goal 5.

- Quarterly coordination meetings with Parks and Open Space on Road and Trail management plan for fire roads and fire access.
- Provided fire road maintenance to Marinwood CSD, for Queenstone Fire Road and NPS on Orchard Fire Road.
- Prioritization, inventory and evaluation of primary evacuation routes and roads in Woodacre, San Geronimo, Lagunitas, Forest Knolls, Inverness, Panoramic Hwy side streets.
- Cleared evacuation routes of excess vegetation in Woodacre, Inverness /Drakes View Drive.
- Provided senior defensible space work to identified properties needing assistance. Woodacre and Sleepy Hollow.
- Partnering with DPW on improving evacuation route vegetation clearances on county maintained roads.

Marin County Parks

Goal 1.

- Continues to partner and provide staff and financial support to the County Wide Vegetation Mapping Project that is being carried out by the One Tam land stewardship collaborative.
- Updated fuel break maps for invasive weed spread.
- Collected and stored natural resource data as part of implementation of the Vegetation and Biodiversity Management Plan which was completed in 2016.
 - Continued development and implementation of CalFlora database for collecting vegetation data, including weeds, weed treatments, and sensitive species.
 - OneTam partnership helps collaborate with database development and data collection across agency boundaries.

Goal 2.

- Promote reg flag notifications on all social media channels with better coordination with county and local fire chiefs and FIRESafe MARIN.
- Explored expanded grazing opportunities in partnership with the town of Fairfax.
- Engaged new community service areas in becoming firewise communities.

Goal 3.

- Marin County Parks participates in collaborative efforts through membership on the board of FIRESafe MARIN.
- Partnered with Kentfield Fire, Marin County Fire, and Conservation Corps North Bay on grant funding for defensible space clearing and transition zone construction in Kentfield.
- Partnered with Novato Fire to receive and implement fuel reduction and defensible space clearing in Pacheco Valle neighborhoods.

Goal 4.

- Annual fire letters were mailed to 3,000 open space neighbors encouraging defensible space maintenance actions and outlining the permit process for work on open space property within defensible space.
- Conducted site visits, issued permits, as needed, in response to defensible space permit inquiries.
- Distributed County Fire “Ready” brochure to neighbors during site visits.

Goal 5.

- Mowed 250 acres of defensible space within preserves.
- Conducted 250 acres of mowing and pruning along emergency access routes within preserves.
- Mowed ignition prevention areas along roadsides and trailheads.
- Expanded grazing for flashy fuel reduction.
 - Terra Linda/Sleepy Hollow: 101 acres
 - Mount Burdell: 1,292 acres
 - King Mountain: 10 acres
 - Horse Hill: 54 acres
- Thinned understory vegetation to maintain shaded fuelbreaks and keep fire road roadsides clear of dense vegetation.
 - 46 acres at Camino Alto
 - 18 acres at Blithedale Summit
 - 8 acres at Terra Linda / Sleepy Hollow Divide
 - 33 acres at Alto Bowl
- Constructed new fuel break and defensible space zone in Tiburon in partnership with County and Tiburon Fire. Removed over two acres of invasive Acacia trees behind homes as part of a phased effort.
- Mowed or removed over 20 acres of roadside and understory vegetation along fire roads to keep clear of dense vegetation.

Marin Municipal Water District

Goal 1.

- MMWD provided financial support to the County Wide Vegetation Mapping Project that is being carried out by the One-Tam land stewardship collaborative.
- Mapped infestation of invasive non-native French broom on MMWD lands.
- Continued forest monitoring efforts associated with the Resilient Forest Project which is evaluating treatments in sudden oak death impacted forests. This project seeks to measure improvements in hazard reduction, carbon sequestration, and soil water yield resulting from vegetation management actions.

Goal 2.

- Increased community notifications and outreach associated with red flag and other critical fire weather events through improved community signage and social media alerts.

Goal 3.

- MMWD participates in collaborative efforts through membership on the board of FIRESafe MARIN.
- Coordinated with PG&E to reduce fuel loads and manage hazardous trees along 15 miles of transmission lines along Peters Dam/Kent Lake infrastructure.
- Coordinated with American Towers to maintain vegetation on 250,000 acres of land surrounding critical communication infrastructure.
- Coordinated with the FAA at the summit of East Peak to retreat 3.5 acres of defensible space surrounding the radar tower.
- Participated in the Bay Area Prescribed Fire Council and Bay Area Prescribed Fire Training Exchange TREX, to facilitate regional coordination associated with prescribed fire and staff training.
- Developed contract with County Fire to support on the ground fuel load reduction work on MMWD Mt Tamalpais watershed lands.

Goal 4.

- Annual fire letters were mailed to 60 watershed neighbors encouraging defensible space maintenance actions and outlining the permit process for work on watershed property within defensible space zone.

Goal 5.

- Constructed 5 acres of new fuelbreak and defensible space around the Bon Tempe Treatment Plant.

- Conducted 250 acres of routine fuel reduction work in fuel breaks on watershed lands adjacent to neighborhoods and along strategic ridge top roads.
- Treated 320 acres of invasive weeds across the MMWD watershed.
- Resilient Forest Project
 - Treated 16 new acres of fuel at the Bolinas Ridge Summit Site.
 - Performed follow-up understory management of 12 acres of study plots at Bolinas Ridge, Laurel Dell, and Peters Dam.
- Removed 35 acres of Douglas fir along transition zones on Ridgecrest.
- Completed 20 acres of pile burning activities within Doug fir transition zones and other areas where vegetation was thinned.
- Completed 68 acres of understory and ladder fuel management around the Lagunitas lake, Sky Oaks Rd, and Bon Tempe Lake areas.

Mill Valley Fire Department

Goal 1.

- Defensible space video shows at Sequoia Theater
- Defensible space post cards mailed to community
- Conducted fire insurance hazard assessments for various homeowners.

Goal 4.

- Recertification of FIREWISE Communities: Scott Valley, Mill Valley Meadows, Scott Highland, Blithedale Highland
- Attended City Community and City HOA Leadership meetings.
- Upgraded defensible space garden
- Hosted 8 regional community meetings to discuss lessons learned from the Northbay Fires surrounding defensible space, community evacuations and preparedness.
- Attended approximately 18 neighborhood association meetings to discuss lessons learned from the Northbay Fires surrounding defensible space, community evacuations and preparedness.

Goal 5.

- Paved road fuel reduction on: Bayview Ave, El Capitan, Fern Canyon Rd, Magee Ave, Marguerite Ave, Myrtle Ave, Ralston Ave, Summit Ave, Tamapais Ave, Blithedale Terrace, Corte Madera Ave, Cottage Ave, Eldridge Ave, King St, Marsh Drive, Melody Lane, West Blithedale, Coronet Ave, Greenwood Way, Stetson Ave, Upland Ave and Woodbine Ave, Bolsa Ave, Circle Ave, Elinor Ave, Hillcrest Ave, Hillside Ave and Oakdale Ave, Baytree Ave, Buena Vista, Country Club Dr, Dawn Pl, Glen Dr, Heather Way, Heather Ln, Magdalena, Sarah Dr, Sheridan Ct, Tartan Rd and Vista Linda Dr, Alvarado Ave, Del Casa Dr, Elaine Ave, Fairway Dr, Manor Dr, Marlin Ave, Rowan Way and Val Vista Rd, Ethel Ave, Janes St, Mirabel Ave, Sunrise Ave, Upper and Lower Wildomar, Edgewood Ave, Helens Ave, Molino Ave, Montford Ave and Sunrise Ave.
- Implemented multiple cypress removal projects
- Implemented on going fuel reduction projects with city an open space fuel reduction, on Blithdale Ridge Fuel break, Camino Alto paved road fuel reduction, T Ditch fuel reduction, SLP
- Sponsored numerous chipper projects

New building construction standards that enable Chapter 7A materials and processes in the built environment. As home features are repaired or replaced, they are brought up to 7A compliance.

First reading completed relative to new more stringent D-space codes within the first 3 feet as well as the abatement of juniper, cypress, acacia and bamboo within the first 30' from the home.

Novato Fire District

Goal1.

- Developing a parcel level wildfire hazard map.
- Completed a Local Hazard Mitigation Plan.
- Participated in the County of Marin “Lessons Learned” committee.

Goal 2.

- Updated general plan, safety elements for City of Novato to include Cal Fire requirements.
- Updated NFD web page targeting Firewise, Fire Safe and Alert Marin information.
- Created & distributed engine company door hangers with Firewise and Alert Marin speaking points.
- Created and mailed over 10,000 annual WUI awareness information postcards
- Incorporated interactive WUI maps located on NFD Website.
- FSM brochure distributed at community events and festivals.
- Vegetation Management Matching Grant Program implemented for HOA's and individual homeowners: 31 total grants dispersed totaling \$57,205 for a total benefit of \$114,410. 44 homeowners and 24 HOA's participated in the grant program.
- 139 Home Evaluations completed.
- 154 vegetation complaints investigated and 84% mitigated and compliant.
- Completed wildfire safety assessment for the Marin County Office of Education on the Novato Campuses.
- Completed a large-scale evacuation drill for 4 neighborhoods: Pacheco Valle, Marin Valley, Indian Valley & Black Point neighborhoods.
- Continuing action to motivate owners to remove juniper and other fire prone plants in identified neighborhoods.

Goal 3.

- Ongoing participation in FIRESafe Marin.
- Received a \$75,000 Cal Fire Grant to extend a shaded fuel break behind local HOA properties in collaboration with Marin County Parks & Open Space District.

Goal 4

- Completed Door Hangers for engine companies to educate homeowners on defensible space and Alert Marin/evacuation information.
- Partnered with four new communities for the Firewise designation.
- Pre-fire season weed abatement notices to previously identified areas of concern.
- 16 neighborhoods identified and targeted for Firewise consideration;
- 4 have attained the Firewise designation.
- 3 neighborhoods have applications under review for designation.
- 9 Firewise presentations have been delivered by NFD.
- Novato Firewise neighborhoods include: Pacheco Valle, Marin Valley, Black Point/Greenpoint and Indian Valley.
- Support local attendance at FSM by Firewise community reps.
- Participate in CERT training.
- Participate and support in Get Ready training.
- Developed cooperative relationship with both City and County Code Enforcement to assist with absentee property owners.
- Updating the Vegetation Management Standard and approved Plant list.
- Created a Red Flag Matrix which includes; displaying red flags in front of fire stations; deploying electronic sign boards with targeted messages; and providing additional staffing for engines.

Goal 5.

- Fuel Reduction Projects Completed
 - Terry Circle Shaded fuel break
 - Josefa Court Shaded fuel break
- Vegetation Projects completed in areas of concern;
 - Wildhorse Valley - Hosted two community Chipper Days

- Armstrong Mobile Home Park- completed a shaded fuel break behind the park community.
- Marin Valley - Fire Wise Designation received a \$30,000 PG&E Grant to remove fire prone plants from evacuation routes.
- Indian Valley – Hosted 2 Community Chipper Days,
- Novato Heights Hosted two community Chipper Days
- Black Point/Green Point - Hosted 2 Community Chipper Weekends.
- Western Oaks HOA began implementing a plan to remove all fire prone plants within the community.

Ross Valley Fire Department

Goal 3.

- Adopted Sleepy Hollow Fire Protection District (SHFPD) Wildfire Hazard and Wildland Urban Interface Area Assessment Report
- Defensible space inspections conducted on 800 residents in Sleepy Hollow with Marin County Fire Department Inspectors.
- Update structure defense zones within RVFD and implement with OES for notifications (in process)

Goal 4.

- Conducted 13 FIREWISE walks and presentations.
- Sleepy Hollow hosted 4 chipper days with FIREsafe Marin removing 3400 cubic yards of material.
- Town of Fairfax and FIRESAFE Marin hosted 4 chipper/drop off days.

Goal 5.

- Implemented Mather Fire Road repairs in Sleepy Hollow.
- MCFD Fire Crews removed understory fire hazards on 20 acres
- Large collaboration of ridge top goat grazing for 347 acres including San Domenico School property Ridgewood Fire Road, Terra Linda Divide, Triple C Ranch , Rocking H Ranch, Luiz Fire Road, Loma Alta Divide, Sorich Park and White Hill Middle School.
- Removed all juniper and conifers on all parcels on Fox Lane.
- Planning San Anselmo road side fuel reduction on Willow Ave.
- Vegetation removal on numerous small-town owned parcels cleared with DPW.

San Rafael Fire Department

Goal 1.

- Generated ArcGIS layers to show current inspections and fuel reduction efforts.
- Planned 2019 mitigation efforts aimed to focus on Very High/High hazard zones as indicated in the CWPP section 5.
- Requests made to PG&E to install additional weather station and cameras around San Rafael.
- Procured a drone for basic topographical reconnaissance of city parkland, as well as researched the FAA compliance licensing required for departmental use. Future use is limited to city parkland projects and subsequent documentation only.

Goal 2.

- Annual Inspection Notices mailed to approximately 8000 addresses located in San Rafael's Wildland Urban Interface (WUI).
- Developed a San Rafael specific FireWise USA presentation to promote to communities.
- Began a door-to-door approach on WUI homes in strategic locations.
- Scheduled 14 Chipper days for residents who removed juniper and bamboo from their properties.

Goal 3.

- Continued to engage the Marin County Fire Prevention Officers to enhance a more unified message to the public and VMPS.
- Increased fuel removal in a transition zone of 30' behind properties along City owned parkland.

- Expanded prevention area to include Marinwood CSD, CSA13, and Upper Lucas Valley.

Goal 4.

- Held 14 HOA defensible space/WUI/Firewise USA presentations throughout the community.
- Developed an Annual Inspection Notice mailer for WUI residents.
- Recreated our Notice of Defensible Space Inspection form modeled after the State LE100.
- Provided updated Web based materials and graphics on our City web pages.
- Attended regular Fire Safe Marin meetings to stay current with needs and materials.
- Organized and hosted a WUI Symposium, reaching over 300 people, covering lessons learned from the 2017 fires.
- Identified new potential FireWise USA communities around San Rafael and started a contact list.
- Increased enforcement actions from 371 to 680.
- Several exceptions made for senior property owners for delayed enforcement and/or assisted vegetation removal and chipping.
- Over a dozen absentee owners/landlords were notified and brought within compliance.
- Presented a 36 point “Be Bold” WUI enhancement document to the City Council.

Goal 5.

- Conducted 1,486 inspections including re-inspections to obtain a 75% compliance rate. 260 open cases still pending review by inspectors.
- 92 residential properties took part in the 14 days of the City’s Juniper/Bamboo Chipper program. Clearing 222.3 tons of removed Juniper and Bamboo. Estimated to benefit to over 300 homes defensible space.
- 5.5 miles of fire roads cleared of all vegetation access issues to a standard width of 20’.
- 53.58 acres of City parkland cleared by means of goats and mechanical removal.
- Conducted roadway clearance inspection along strategic egress-areas to allow vegetation clearance to aid evacuation efforts.
- Numerous corrective notices presented to large private property owners resulting in over 30 acres of fuel breaks.

Sleepy Hollow Fire Protection District

- 726 Defensible Space Inspections completed
- Goat Grazing: Coordinated 340 Acre fuel break with 9 local partners.
- Hosted 8 Community chipper days, 128 participants, 3400 cubic yards of material chipped
- 3 Firewise Seminars for community members
- Completed Fox Lane Pilot Project, removing all pyrophytic plants from 11 homes on one street in strategic location identified by CWPP.
- 40 acres of fuel reduction/shaded fuel break at San Domenico School
- Opened Mather Fire Road with roadside fuel reduction and re-grading to allow fire apparatus access

Southern Marin Fire Department

Goal 1.

- With assistance from community residents, obtained approval of a CalFire grant to create a Wildfire Mitigation Plan for SMFD to supplement and provide more detail supporting the Marin County CWPP.
- With Mill Valley Fire Dept., conducted several (3) community presentations on Lessons Learned from the review of the 2017 North Bay fires.
- Coordinated testing and evaluation of future emergency sirens (LRAD) for the District.

- Coordinated meeting with Caltrans and Marin County representatives to discuss and develop a plan to improve vegetation maintenance along California State Route 1 (Shoreline Highway) in Tam Valley.
- Conducted several neighborhood 'walk abouts' (Marinview; Chamberlain Court; Spring Drive; Waterview Drive; Kendall Ct; Arana Cir) to point out and discuss concerns and appropriate homeowner actions to improve a property's defensible space and a structure's fire resistance.
- Installed new (replacement) Red Flag warning sign on Shoreline Highway in Tam Valley.

Goal 2.

- Worked with local agencies (e.g. TCSD) to provide appropriate fire safety information for the newsletters from and community outreach by those agencies.
- Conducted a Ready, Set, Go event for the District in Tam Valley.
- Conducted reviews of a couple large, undeveloped parcels to encourage appropriate clearing by the property owners.
- Mailed defensible space brochure to (2,500) Tam Valley residents.
- Conducted hazard assessments in Homestead Valley (primarily Madrone Park Circle) in support of the work done by the community for its fuel reduction grant.
- Conducted evacuation drill for the Marin Drive Mutual Threat Zone (MTZ, aka Structure Defense Zone, STZ), one of the seven MTZs/STZs in Tam Valley.

Goal 3.

- Preliminary work started on implementation of the Wildfire Mitigation Plan project funded by the CALFIRE Fire Prevention grant.
- Provided support for the California Fire Safe Council grant previously awarded to the Homestead Valley Land Trust.
- Provided support for submission of five grants that were submitted by community residents – two on behalf of SMFD; two on behalf of TCSD and one on behalf of HHLT (two of the five were resubmitted). Of the seven submissions, three have been accepted; two not accepted and two are pending a decision in April 2019.

Goal 4.

- Provided support for neighborhoods in the District to either become or to retain status as a Firewise Community/Site. Two renewals competed (Marinview and Homestead Valley); two new communities approved (Tam Valley and De Silva Island). Application by one additional community (Sutton Manor) is in process.
- Successfully obtained approval of additional funding for vegetation management functions in the District through the passage of Measure U.
- Conducted numerous defensible space inspections in the District.
- Supported Homestead Valley grant project to install reflective address placards.

Goal 5.

- Funded several chipper day events in the District: Alturas; driveways and small side streets along Shoreline Hwy. in Tam Valley; Spring Drive; Marin Ave; Cabin; Upper and Lower Autumn Ln; ten streets in Strawberry; Marinview (four days of work).
- Supported work performed by Homestead Valley Firewise via its grant projects: neighborhood chipper days (4 areas); tree removal (2 areas); brush reduction (5 areas). This included funding for road clearing and chipper activities (primarily Madrone Park Circle).
NOTE: This completed a \$94,468 grant obtained by HHLT with a final community match of \$415,967 (original Match commitment was \$113,606).
- Removed eucalyptus (5) at Eagle Rock.
- Conducted successful burning of piles (from clearing work done in 2017) in Marinview (near Carrera).
- Worked with residents on West California to create and implement a plan to clear portions of an adjacent undeveloped parcel; done with cooperation from and partial funding by the owner of the undeveloped parcel.

- Worked with residents on Waterview and GGNRA in support of the neighbors' effort to fund, gain approval for, and implement clearing on GGNRA property along Waterview.

Tiburon Fire Department

Goal 1:

- Hydrant upgrade by MMWD completed on Paradise Drive with the addition of 3 new hydrants being added, as well as replacement of 13 Greenberg style to Clow/Jones style for compliance to TFPD standard.
- Continued work on Marin County Mapping project to provide accurate mapping information within Tiburon, Belvedere and Unincorporated Tiburon /Marin County.

Goal 2:

- TFPD & TPD staff hosted Chief Welch to Joint Belvedere-Tiburon Joint Disaster Advisory Council for speech on Napa-Sonoma Fires.
- Fire Prevention staff have participated in 8 HOA meetings and presentations for Defensible Space and Vegetation Management best practices.
- Harbor Hill HOA officially recognized as Tiburon's 1st Fire Safe Community.
- TFPD supported Town of Tiburon Chipper program to reduce fire prone vegetation in the Open Space. Collaborated with Marin County Fire for Public Awareness on Old St. Hilary's Acacia removal project.
- TFPD and Town of Tiburon have collaborated on a dead tree expedited permit issuance program that resulted in waived fees for homeowners removing dead trees verified dead by the District. This system resulted in over a dozen trees being removed as fire hazards in the District.
- Work with City of Belvedere on the identical system for dead trees, to be launched in 2019.

Goal 4:

- TFPD team teaching with Tiburon/Belvedere Emergency Coordinator for Get Ready 94920 presentations that includes wildfire preparation.
- Attended 30 individual homeowner site visits for fuel reduction efforts.

Goal 5:

- Deputy Fire Marshal continuing Design Review of WUI and Non-WUI vegetation Management plans during development stage.
- Working with Town of Tiburon on Abatement of Dangerous Building Code sections to support vacant and unkept properties to become compliant. 3 homes have been cited and are actively being abated.