

Priority	Ready to Implement?	Funding needed 0=No 1=Low 2=Mod 3=High	Hazard Category	Protection	Project Address: Street or Coordinates	PROJECT TITLE	PROJECT DESCRIPTION Any projects identified do not constitute activity until signed off by all local agencies and regulatory authorities	Cooperating & Interested Agencies and Groups
1	Y	3	Defensible Space / Implementation	L P	Area Wide	Incentives for Hardened Structures and Defensible Space	<ul style="list-style-type: none"> • Provide financial incentives for homeowners for vegetation management and structural hardening. 	
1	Y	1	Defensible Space / Implementation	L P	Area Wide	Neighbors Helping Neighbors!	<ul style="list-style-type: none"> • Community work party for residents (who need help with vegetation management). • Purchase tools that can be used for neighborhood projects: weed-whips, saws, loppers, chipper, etc. 	FMWW, Alpine Club
3	Y	1	Defensible Space / Vegetation Management	P	Area Wide	Upper Mark West Watershed Chipper Program	<ul style="list-style-type: none"> • Explore feasibility and/or availability for local chipper program (maintenance, insurance, scheduling, etc.). • Other options such as scheduling chipper days from existing programs, etc. 	SoCo Fire, Fire Agencies,
1	Y	2	Fire Response / Mapping	L P E	Area Wide	Sonoma County Pre-Attack Mapping	<ul style="list-style-type: none"> • Get water sources/roads on maps for all responders. 	FMWW, RVFPD, CAL FIRE, Fire Safe Sonoma
2	Y	3	Fire Response / Planning / Water Supply	P	Area Wide	Large Water Tanks for Water Availability	<ul style="list-style-type: none"> • Determine locations for strategic placement of big tanks for fire response. 	
1	Y	2	Fire Response / Water Supply	P	Area Wide	Rainwater Catchment Tanks	<ul style="list-style-type: none"> • Make water catchment system and storage tanks available - for fire use (excluding water stored for flow enhancement). 	SRCD, FMWW
1	Y	1	Fire Response / Water Supply		Area Wide	Local Water System Availability and Accessibility	<ul style="list-style-type: none"> • Identify water sources by parcel, type and quantity and accessibility (location, fittings, gallons per minute). • Identify and provide appropriate fire connection fittings for tanks that are accessible to fire personnel. • Needs determination and study to ascertain what homeowners need to ensure and label well-maintained water systems and tanks. 	FMWW, RVFPD, CAL FIRE
2	Y	0	Fire Response / Water Supply / Planning		Area Wide	Regulatory Impediments to Water Development: Feasibility of Reducing Impediments	<ul style="list-style-type: none"> • Work with appropriate government agencies to make it easier to create ponds/reservoirs (state and county regulations). 	
1	Y	3	Fuels Management / Implementation		7899 and 6969 St. Helena Rd	Monan's Rill Prescribe Burn Program	<ul style="list-style-type: none"> • Determine the parameters of an ecologically sensitive burn and provide qualified personnel for burn planning, firing operations and monitoring. 	ACR, RVFPD, CAL FIRE, MVFD

1	Y	3	Fuels Management / Planning		Area Wide	Upper Mark West Watershed Prescribe Burning	<ul style="list-style-type: none"> • Plan for prescribed burns to reduce fuels and restore ecosystem processes. • Determine high priority areas for treatment. • Recommend frequency and timing for vegetation types and management goals. • Identify qualified personnel for burn planning, fire operations and monitoring. • Research funding opportunity requirements. 	RVFPD, FMWW, CAL FIRE, SRCD
1	Y	3	Fuels Management / Planning		St. Helena Rd	St. Helena Rd Shaded Fuel Break	<ul style="list-style-type: none"> • Create shaded fuel break 30' from usable road edge along length of St. Helena Rd. 	RVFPD, FMWW, CAL FIRE, SCTPW, SRCD
2	Y	2	Fuels Management / Planning		Area Wide	Resilient Forests Across Boundaries	<ul style="list-style-type: none"> • Regional coordination on vegetation/fuels management across property boundaries. 	SCAPOS, SRCD, CAL FIRE, RVFPD, Pepperwood, Forest Working Group
1	Y	3	Fuels Management / Planning		Area Wide	Upper Mark West Watershed Shaded Fuel Breaks	<ul style="list-style-type: none"> • Identify high priority areas for treatment (consider Calistoga Rd. and private roads) and most appropriate treatment methodologies. 	
2	Y	2	Fuels Management / Planning		Area Wide	Restoring Oak Woodlands for Optimal Ecosystem Health	<ul style="list-style-type: none"> • Find appropriate experts to launch community education and organization. to restore oak woodland environments. • Learn how to eliminate or reduce harmful invasive plant species or opportunistic native plant species. 	Pepperwood, SRCD, SCAPOS
2	Y	1	Fuels Management / Planning		Area Wide	Upper Mark West Watershed Area Grazing Programs	<ul style="list-style-type: none"> • Examine feasibility and potential for area-wide grazing programs, funding and infrastructure needed, likely locations for grazing. 	SRCD, UCCE, Local ranchers
1	Y	3	Fuels Management / Planning		Area Wide	Determination of Optimal Vegetation Density for Local Hydrology	<ul style="list-style-type: none"> • Study vegetation management and hydrology. • How many trees are right for the optimal hydration of the land? • What practices can be implemented to improve watershed hydrology? 	Pepperwood, SRCD, NCWI
1	Y	0	Human Safety / Emergency Alert and Notification		Area Wide	Community Opt-in for Notification Systems	<ul style="list-style-type: none"> • Targeted outreach to ensure that all area residents have opted into Nixle, RVFPD SOCO Alert, Alpine Club Emergency Preparedness Committee Phone Alert System (PAS). 	FMWW, Alpine Club, RVFPD, CAL FIRE, SoCo Fire
1	Y	2	Human Safety / Emergency Alert and Notification		Area Wide	Landowner Information	<ul style="list-style-type: none"> • Helpful to first responders to know if property is occupied full-time, part-time, vacation rental, undeveloped/absentee landowner? • Updated annually - maybe via Google form/email. • Identify any fire protection systems on a landowner's property e.g., in-home sprinkler; foam retardant system. • Use road captain network. • Assume fire agencies/first responders will check all structures/developed properties regardless. 	

1	Y	0	Human Safety / Emergency Alert and Notification		Area Wide	Red Flag Warning Communications	<ul style="list-style-type: none"> •Determine messaging to send out to announce red flag warnings. •What to do, what not to do. •Where to go to get current incident information, who to call for information. •Notify via email or PAS? •Where to get information during a power outage. 	FMWW, RVFPD, CAL FIRE
1	Y	1	Life Safety / Access		Area Wide	Knox Boxes and Gate Access for First Responders	<ul style="list-style-type: none"> •Assess and map gate access and for responders. •Pursue funding for those who may need assistance. •Targeted education to those with known locked gates. 	FMWW, RVFPD
1	y	1	Life Safety / Access		Area Wide	Community-wide Signage	<ul style="list-style-type: none"> •Install code compliant fire-proof road and house signs. 	RVFPD, FMWW
1	Y	3	Life Safety / Access / Planning		Area Wide	Open Alternative Egress Routes	<ul style="list-style-type: none"> •Coordinate with fire agencies and land owners to map and increase fuels management and egress and access across property boundaries. •Need to identify priority areas, type of agreements. 	SCAPOSD, Holst, Los Alamos, Plum Ranch, Langtry/Neal Creek/Tarwater, Puff/Mattei/Gates, Sharp/Diamond Mtn, Spring Mtn Summit/Pride
1	Y	3	Life Safety / Access / Planning		Area Wide	Public and Private Road Conditions	<ul style="list-style-type: none"> •Work with fire and county agencies to identify areas that need appropriate road clearance for emergency vehicles. •Identify and improve road conditions. •Identify current turnouts and passing pull-outs. •Identify locations for additional turnouts and passing pull-outs. •Identify potential obstacles for fire responders. •Determine need for signage for turnouts and passing pullouts. •Develop plans to construct and implement new turnouts and passing pull-outs based on assessments. 	
1	Y	0	Life Safety / All Risks Planning		Area Wide	Preparing for All Risks	<ul style="list-style-type: none"> •Plan for PG&E outages. 	
1	Y	1	Life Safety / Education and Outreach		Area Wide	Outreach Topics	<p><u>Defensible space:</u></p> <ul style="list-style-type: none"> •What to do, how to make it beautiful (currently a master gardener project to increase this capacity). <p><u>Structural Hardening:</u></p> <ul style="list-style-type: none"> •Priorities for treatment (roofs, vents, 10' non-combustible, decks & attachments, windows, siding). <p><u>Evacuation actions and Planning:</u></p> <ul style="list-style-type: none"> •Identify potential routes, education about what to put in the car, what to expect. •How to drive during an emergency. •How to leave your house and gates. <p><u>Education:</u></p> <ul style="list-style-type: none"> •Develop Resident/Landowner Information Packet. 	

1	Y	1	Life Safety / Education, Outreach and Workshops		Area Wide	<p>EDUCATIONAL OUTREACH WORKSHOP TOPICS:</p> <ul style="list-style-type: none"> • Defensible Space • Structural Hardening • Evacuation Planning • Water Systems for Fire • Forest Health & Resiliency 	<p><u>Defensible Space and Structural Hardening:</u></p> <ul style="list-style-type: none"> • Educational outreach and workshops to help educate area residents about how to create defensible space and the elements of home hardening and how to prioritize. • Individual non-enforcement inspections for every homeowner. • Materials for landlords. • Red Flag behavior and awareness. <p><u>Evacuation:</u></p> <ul style="list-style-type: none"> • Opt in for Nixle, SO CO Alert, PAS. • Pre-planning for evacuation (go kits, awareness, etc.). • How to drive during emergencies. • How to cope without phone and power. • What to do if you cannot evacuate safely. <p><u>Water Systems and Availability:</u></p> <ul style="list-style-type: none"> • Fire fighter requirements for usable water sources. • Rainwater catchment systems. 	FMWW, RVFPD, CAL FIRE, Fire Safe Sonoma
1	Y	1	Life Safety / Evacuation / Mapping		Area Wide	<p>Quick Maps for Local Residents</p>	<ul style="list-style-type: none"> • Use currently available maps to mark and identify evacuation routes and label them, find out about landowners' concerns. • Update maps annually. • Identify special needs populations and provide information to them and to fire fighters. • Work with fire fighters to identify potential Safety Zones and Temporary Refuge Areas. 	RVFPD, FMWW, CAL FIRE
1	Y	2	Life Safety / Evacuation / Mapping		Area Wide	<p>Bridges</p>	<ul style="list-style-type: none"> • Identify type, size (width?), weight rating and condition of existing bridge. • Encourage landowners to put up signage to let people know they have been rated for heavy vehicles. • Pursue funding to upgrade/replace bridges identified as being significant safety issues. 	

KEY FOR "PROTECTION" COLUMN

E =Egress

L = Life

P = Property

ACRONYMS

ACR	Audubon Canyon Ranch
FEMA	Federal Emergency Management Agency
FMWW	Friends of the Mark West Watershed
MVFD	Mountain Valley Fire Department
NCWI	North Coast Watershed Institute
RVFPD	Rincon Valley Fire Protection District

SCAPOSD Sonoma County Agricultural Preservation and Open Space District.
SoCo Fire Sonoma County Fire and Emergency Services Department
SCTPW Sonoma County Transportation and Public Works
SRCD Sonoma Resource Conservation District
UCCE University of California Continuing Education