

SR-18 Hazardous Tree Removal

1. Application Snapshot:

a. Application Organization Name	Fire Safe Council East Orange County Canyons
b. Fiscal Sponsor Organization Name	
c. Project Name	SR-18 Hazardous Tree Removal
d. Funding Requested	\$38,655.00
e. Matching Funds Provided	\$58,123.00
f. Type of Project	Education , Fuel Treatment
g. Total acreage of project footprint	12
h. Ongoing Grant Name	
Ongoing Grant Number	

Organizational Information:

2. Organization Name

Fire Safe Council East Orange County Canyons

3. Organization Address

Address 1	P O Box 483	City	Silverado			
Address 2		State	CA	Zip	92676	

4. Primary Contact Person

First Name	Mary	Last Name	Schreiber
Phone	714-323-9181	Fax	
E-mail	mary@fsceocc.org	E-mail Type	HTML

5. Administrative Contact Person

First Name	Steve	Last Name	Kerrigan
Phone	714-225-9735	Fax	
E-mail	silvsk@cox.net		

6. Type of organization

Nonprofit Organization

7. If you answered 'Nonprofit Organization' in Question #6, under what section of the Internal Revenue Code is your organization incorporated (e.g., 501(c)(3), 501(c)(4), etc.)?

501(c)3

If your organization is a 501(c)(3) nonprofit, please provide your IRS number from your IRS nonprofit determination letter.

~~48-4983901~~

If you have a DUNS number, please enter it here:

~~078530705~~

If you have a CAGE number, please enter it here:

8. Describe how your organization has the capacity to manage federal funds.

a. When was your organization formed or incorporated?

10/31/2001

b. Describe the roles and responsibilities of key staff and board members, and any volunteer staff.

FSCEOCC is strictly a volunteer organization that is overseen by a Board of Directors formed to provide education, exchange information and foster emergency preparedness, fire prevention and safety in and around the East Orange County foothill and canyon communities. Individuals selected to serve on the Board are seasoned professionals that bring a wide range of knowledge to the organization. In addition the FSCEOCC has many resident volunteers that support and offer valuable experience.

Our BOD and volunteer support group includes the founder of the organization. In addition our core support group includes an active Orange County Fire Authority (OCFA) Battalion Chief, a retired OCFA Battalion Chief, OCFA Reserve Officers and volunteers trained in the Incident Command System structure, emergency GMRS radio communications, emergency evacuation training for Special Needs residents, etc.

The Fire Safe Council East Orange County Canyons is a recognized 501(c)3 leader among its peers having worked side by side with the California FireSafe Council, Orange County Fire Authority, Red Cross and other agencies.

c. Describe 2 major accomplishments achieved through federal grants (Indicate grant number and year) and 2 major accomplishments achieved through non-federal grants (such as donations or private grants).

Grant #09UFS0210 (2009) allowed the FSC to produce a 12-page educational brochure titled "Fire Prevention in the Canyons". We also accomplished six successful chipper day events that resulted in the disposal of 567 loads of brush. Grant #09UFS0211 (2009) was a large project with so many success stories. In particular we are proud of the environmental compliance issues that had to be dealt with in order to comply with the grant requirements. In addition, the committee worked diligently in establishing criteria to determine which properties would qualify for assistance. This was a hugely successful project that the entire community received indirect benefit from.

In addition, the ICL-FSC & Canyon Watch received; Red Cross 2007 SoCal Recovery – CERTS Kits Grant. 100 backpack kits were received and are awarded to graduates of the CERT academy. In partnership with the OCFA, our local fire department conducts an annual six-week CERT training course. The Red Cross 2007 SoCal Recovery – FRS Grant provided 520 FRS radios that have been distributed to residents providing the ability to communicate with each other during disaster events.

9. Does your organization have a fiscal sponsor?

No

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Financial Information:

17. Funding requested

\$38,655.00

18. Matching Funds Provided (all sources)

\$58,123.00

19. Total Project Cost

\$96,778.00

20. Percentage of Match to Total Project Cost

60%

Project Description:

21. Describe the proposed project and how it addresses wildfire survivability in the project area?

a. What is the problem?

Large fuel loads exist along our connecting road. Large stands of Eucalyptus were planted as a screen to an old quarry. The quarry is long gone, and the land is now a county park. These trees are planted under and near power lines. These non-native, flammable trees create a fire hazard for the evacuation route, damage to communication and power lines, and create a significant fuel load along a road that should be used as a fire break and control line in the event of a wildland fire. High voltage transmission lines also cross over the trees. Smoke contamination from these trees burning could cause SCE to have to turn off the transmission lines, causing electrical service problems over a large area. During the Santiago Fire in 2007, fire ran into this stand of trees. It caused the loss of power and communication for canyon communities. Modjeska Canyon lost power for over one week and communications throughout canyon communities was lost for weeks. The fire also blew brands from this stand of trees onto the north side of the road. Fire crews chased the spot fire, and had to deploy their fire shelters due to fire behavior during the extinguishment

b. What is the prescription for treatment?

We want to remove all the Eucalyptus trees near power lines and the roadway in the project area. After tree removal, we want to stump grind the root area, and use chemical treatments to kill any suckers and new growth. This project will demonstrate how non-native trees create dangerous fuel loads. We are working with SCE Vegetation Management to make sure trees near power lines are maintained. We have been in contact with OC Parks. They want to remove the Eucalyptus because of the fire hazards and non native status. There are a few pine trees; we will consider their removal. We plan to use the other grant monies to remove the trees that are outside of the utility corridor So Cal Edison maintains.

c. How will this project reduce wildfire hazards in the project area?

These highly flammable trees will no longer exist along the roadway. There will be less chance of fire brands blowing across the road into potential fuel sources. Santiago Canyon Road has been used on several wildland fires as a control line. The roadway is a high speed arterial scenic roadway. The road width is standard 2 lanes, with a bike lane on each side. Parts of the project area also have an accelerator lane. The width, hydrants, and location make it a good boundary to stop and control a fire burning either in a Santa Ana wind event, or the fire blowing from the coast inland. Maintaining power and communications will make the canyons safer during a fire. This road is an evacuation route for the population, and an ingress route for fire apparatus.

d. How will the project be maintained after the grant is complete?

We propose using the entire grant cycle to monitor and eliminate any new growth. After the grant is complete, we will engage a major stakeholder, Southern California Edison to remove any new growth if it occurs.

22. Describe what outreach efforts will be provided to engage the broader public in your project.

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This project will be discussed at our general monthly FSCEOCC meetings as well as communicated throughout the community via email and social media. Informational flyers and literature will be distributed at community wide to educate residents regarding the specifics of this hazardous fuel reduction project. We will also utilize other local news sources to disseminate information. We have approval from Orange County Parks, Southern California Edison, Orange County Public Works, Orange County Fire Authority, and County of Orange Supervisor's Office, District 3. Our FSC will commit about 18 hours of community education for the reduction of hazardous vegetation.

23. Sustainability: How will this project lead the community to investing (i.e. effort, funding) in making itself fire safe after the grant term ends?

The community will continue to see the effectiveness of our Fire Safe Council. The tree removal will further prove our efforts in being and maintaining our status as a Firewise Community. Our Council will continue to do education and Chipper Days projects, further removing fuel load from the community.

24. Please describe how your project will align with the guiding principles and core values identified in Phase 1 of the National Cohesive Wildland Fire Management Strategy.

This project will remove highly combustible eucalyptus trees from the roadway. It will make our evacuation route safer by reducing flame lengths along the roadway. If a fire were to start in this area, the lack of trees will make the likelihood of success for initial attack suppression. Removal of these non-native trees educates the community of the danger of these trees. This project is aligned with many of the Phase 1 core values. It reduces risk to firefighters, is part of a prevention model. Removing these non-natives aids in the ecology of the area. It hits part 3 hard, by "restoring and maintaining landscapes", and reducing "injuries and loss of life to the public and firefighters". Our project 'actively manages the land" by removing non native trees from the project area.

We will "improve and sustain both community and individual responsibilities" in several areas:

This project will help stop the spread of wildfire; it brings together several stakeholders in working on the tree removal. Once the trees are removed, it will aid fire equipment in safe ingress and egress into the canyon area. It also helps evacuation preparation by making a safer roadway.

25. Workplan

Sequential Tasks	Timeframe (Month 1-18)	Responsible Party	Outcomes/Results/ Deliverables
Photo monitoring, "success story" development. Project timeline development.	Month 1, 2	Firesafe Council of	Create a timeline and document project area

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		East Orange County Canyons.	and photos
Hire Grant Administrator and Biologist	Months 2,3	FSCEOCC	Hire a grant administrator and Biologist.
Fire prevention education	Months 3-24	FSCEOCC	Our new pamphlet is in the works, detailing what plants should and should not be included in a Very High Fire Severity Zone. Our ongoing community events will include information about this project. We will also mention Southern California Edison's cooperation in this project. FSCEOCC often uses community settings to broaden community outreach and education on a fire safe environment. This project will be used as another example of cooperation from many stakeholders to maintain a fire wise community.

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<p>Cut eucalyptus trees down. Chip and removal identified trees within the work area</p>	<p>Months 4,5,6,7</p>	<p>So Cal Edison for the utility wire area. Tree contractor and OC Conservation Corp for the area within the park</p>	<p>Removal of most Eucalyptus within scope of project. Cooperation from OC Parks will finalize the number of Eucalyptus in the project, and any pine trees they want removed. There are 300-400 Eucalyptus trees under the utility wires. The exact number is hard to quantify, as there are many suckers growing from root stock that burned in 2007.</p>
<p>New growth patrol</p>	<p>months 9,12,15,18,21,24</p>	<p>SCE contractor</p>	<p>patrol and remove any new growth from suckers. Chemical application will be used mostly.</p>
<p>Project completion</p>	<p>23,24</p>	<p>Grant Admin</p>	<p>Photo success story. CD made of project. Project will be complete.</p>

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Project Overview:

26. How many fuels treatment projects will you conduct with grant funds?

1

27. How many total acres is your project?

12 acres

28. Project Deliverables

	Quantity Projected	Federal Cost	Quantity Projected	Matching Cost
<i>Community Assessment Wildfire Planning</i>				
Community Risk Assessments		\$0.00		\$0.00
Community Wildfire Protection Plans		\$0.00		\$0.00
Fire Management Plan		\$0.00		\$0.00
TOTAL COMMUNITY ASSESSMENT WILDFIRE PLANNING:	0	\$0.00	0	\$0.00
<i>Information/Education</i>				
Workshops/Training Sessions		\$0.00		\$0.00
Outreach/Education Programs	3	\$0.00		\$300.00
Education/Information Products	3	\$0.00		\$400.00
Monitoring		\$0.00		\$0.00
TOTAL INFORMATION/EDUCATION:	6	\$0.00	0	\$700.00
<i>Fuels Treatment</i>				
Preparation for Treatment	acres	\$0.00	acres	\$0.00
Mechanical Treatment				

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Biomass removal	acres	\$0.00	acres	\$0.00
Chipping	2 acres	\$7,650.00	12 acres	\$1,167.00
Crushing	acres	\$0.00	acres	\$0.00
Hand pile	acres	\$0.00	acres	\$0.00
Seeding	acres	\$0.00	acres	\$0.00
Lop and scatter	acres	\$0.00	acres	\$0.00
Machine pile	acres	\$0.00	acres	\$0.00
Mastication/Mowing	acres	\$0.00	acres	\$0.00
Thinning	acres	\$0.00	acres	\$0.00
Thinning – Tree felling & removal	12 acres	\$5,000.00	12 acres	\$21,000.00
TOTAL MECHANICAL TREATMENT:	14 acres	\$12,650.00	24 acres	\$22,167.00
Prescribed Fire				
Broadcast burn	acres	\$0.00	acres	\$0.00
Fire use	acres	\$0.00	acres	\$0.00
Hand pile burn	acres	\$0.00	acres	\$0.00
Jackpot burn	acres	\$0.00	acres	\$0.00
Machine pile burn	acres	\$0.00	acres	\$0.00
TOTAL PRESCRIBED FIRE:	0 acres	\$0.00	0 acres	\$0.00
Other Treatment (Chemical, Biological or Browsing)				
Chemical	12 acres	\$2,000.00	12 acres	\$2,000.00
Biological	acres	\$0.00	acres	\$0.00

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Browsing	acres	\$0.00	acres	\$0.00
TOTAL OTHER TREATMENT:	12 acres	\$2,000.00	12 acres	\$2,000.00
TOTAL FUELS TREATMENT:	26 acres	\$14,650.00	36 acres	\$24,167.00
GRAND TOTAL:		\$14,650.00		\$24,867.00
<i>Values Protected</i>				
Estimate the number of homes protected by your project				1500
Estimate the number of community members protected by your project				5000
Estimate the value of property protected by your project				\$15,000,000.00

Project Summary:

29. In what type of plan is the project or area to be addressed by the project identified:

Community Wildfire Protection Plan (CWPP)

Approved by local government, fire dept. and state forester. Date Approved: June 2005

Last Updated: June 2005

Please identify the title of the CWPP: Inter-Canyon League Fire Safe Council CWPP

Other:

Type of plan: Firewise Community Assessment Plan

Date approved and by whom: 6/25/2012, Michele Steinberg, Project Manager, Firewise Communities

Last Updated: March, 2012

Name of plan and contact information: Firewise Communities/USA Community Assesment for Silverado, Williams, Modjeska and Trabuco Canyons. Mary Schreiber, President FSCEOCC, 12681 Newport Ave, Tustin, CA 92780

30. What is the project/area's priority in the plan identified in question #29 and on what page of the plan is it addressed?

Community Wildfire Protection Plan (CWPP)

Priority in the plan: 1

Page number where the project is addressed: appx

Other

Priority in the plan: 2

Page number where the project is addressed: Action Plan Item 2

31. Community(ies)-at-risk affected by project:

El Toro

Irvine

Mission Viejo

Modjeska

Rancho Santa Margarita

Santa Margarita

Silverado

32. List communities, other than communities-at-risk, that will benefit from this project.

Trabuco Canyon, Portola Hills neighborhood of Lake Forest

33. List communities that are directly affected by your project's deliverables.

a. Prevention and Education Programs

Silverado, Modjeska, and Trabuco Canyon

b. Hazardous Fuel Reduction Projects

Silverado, Modjeska, Lake Forest. Large areas of California if this prevents the 220,000 volt transmission line from being turned off.

c. Fire Management Plans, Risk Assessments or equivalents

34. Please estimate the number of people who will be contacted by your project's deliverables.

a. Prevention and Education Programs

3700

b. Hazardous Fuel Reduction Projects

3700

c. Fire Management Plans, Risk Assessments or equivalents

35. How many people (such as planning, fuels reduction, environmental compliance, project management, etc) will you employ with this project? Please count both contractors and salaried employees.

Salaried employees: 0

Contractors: 5

36. Condition Class

3

37. Fire Regime

III

38. Fire Hazard Severity Zone (FHSV)

Very High Severity Zone

Project Location:

39. Latitude: 33.44.203 N **Longitude:** 117.39.500 W

40. Is any part of your project on federal land or on land leased by the federal government?

None

41. Is the area impacted by your project at risk to fire originating on federal land?

Yes

If yes, which federal land?

e. USDA Forest Service: *Cleveland National Forest*

How far is your project from federal lands?

More than 3 miles

42. Congressional District

CALIFORNIA:

42, 48

NEVADA:

State Assembly/House District

CALIFORNIA:

71

NEVADA:

State Senate District

CALIFORNIA:

33

NEVADA:

43. Counties

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CALIFORNIA:

Orange

NEVADA:

Fuel Treatment Projects:

44. Is this a fuels treatment project?

Yes

45. All ground disturbing projects must complete an environmental compliance review approved by the California Fire Safe Council. Have any biological or environmental impact assessments been completed for the project area?

No

46. What is the percent of dominant vegetation type at treatment site?

Chaparral: 20 %

Oak Woodland: 10 %

Other: 70 %

Other Text: non-native eucalyptus

47. If vegetation is to be modified, describe in detail.

Other

If other, please specify: non-native eucalyptus

The treatment to be implemented:

Removal by chainsaw of eucalyptus trees. Trees will be pulled up to the roadway when needed to haul away.

The equipment to be used:

Chain saws, chippers, winches. Possibly feller/buncher if the vendor feels it is in the projects interest.

The personnel/vendor to be used and how they will be used:

We will hire a tree company to remove the trees, chip the greenwaste and then spray herbicide to inhibit new growth

Describe the pre and post treatment site:

The site is a dense stand of eucalyptus trees and suckers from fire damaged trees. The project is almost entirely under power and utility lines. Most of the trees on on a slope, downhill from the

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roadway. After the removal, there will be no vegetation under the power lines.

48. Will the project generate biomass, small logs of a merchantable volume or a marketable product?

Yes

Chips (green ton) 480 Green Tons

49. Is the biomass product being utilized?

Yes

If yes, describe: Mulch being utilized by the vendor

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50. Budget Detail

Cost Categories	Funding Sources			Total
	1. Grant	2. Applicant	3. Other Partners	4. Total
a. Personnel				
Grant administrator. 220 per month for 24 months	\$5,280	\$0	\$0	\$5,280
FSCOECC Community Education. 1040 hours	\$0	\$24,356	\$0	\$24,356
Total Personnel	\$5,280	\$24,356	\$0	\$29,636
b. Fringe Benefits				
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Total Fringe Benefits	\$0	\$0	\$0	\$0
c. Travel				
.55 cents a mile for travel needs for grant admin. 500 mile max	\$275	\$0	\$0	\$275

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	\$0	\$0	\$0	\$0
Total Travel	\$275	\$0	\$0	\$275
d. Equipment				
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Total Equipment	\$0	\$0	\$0	\$0
e. Supplies				
misc office supplies, CD's, stamps	\$150	\$0	\$0	\$150
	\$0	\$0	\$0	\$0
Total Supplies	\$150	\$0	\$0	\$150
f. Contractual				
Environmental Impact Report/CEQA	\$6,200	\$0	\$0	\$6,200
Southern California Edison tree removal in utility area	\$0	\$0	\$23,000	\$23,000

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Orange County Conservation Corp. Chipping outside of utility area	\$7,650	\$0	\$1,167	\$0
Biomass disposal	\$9,600	\$0	\$9,600	\$0
Traffic control engineering	\$1,000	\$0	\$0	\$0
Tree contractor-cutting and chemical treatment outside util area.	\$7,000	\$0	\$0	\$0
Total Contractual	\$31,450	\$0	\$33,767	\$65,217
g. Other				
General Liability Insurance	\$1,500	\$0	\$0	\$1,500
	\$0	\$0	\$0	\$0
Total Other	\$1,500	\$0	\$0	\$1,500
h. Total Direct Costs <i>(sum of a – g)</i>	\$38,655	\$24,356	\$33,767	\$96,778
i. Indirect Charges	\$0	\$0	\$0	\$0
j. Fiscal Sponsor Administrative Fee	\$0	\$0	\$0	\$0

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k. Project Total <i>(sum of h – i)</i>	\$38,655	\$24,356	\$33,767	\$96,778
l. Program Income	\$0	\$0	\$0	\$0

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51. Budget Summary

Cost Categories	Funding Sources			Total
	1. Grant	2. Applicant	3. Other Partners	4. Total
a. Personnel	\$5,280.00	\$24,356.00	\$0.00	\$29,636.00
b. Fringe Benefits	\$0.00	\$0.00	\$0.00	\$0.00
c. Travel	\$275.00	\$0.00	\$0.00	\$275.00
d. Equipment	\$0.00	\$0.00	\$0.00	\$0.00
e. Supplies	\$150.00	\$0.00	\$0.00	\$150.00
f. Contractual	\$31,450.00	\$0.00	\$33,767.00	\$65,217.00
g. Other	\$1,500.00	\$0.00	\$0.00	\$1,500.00
h. Total Direct Costs (sum a – g)	\$38,655.00	\$24,356.00	\$33,767.00	\$96,778.00
i. Indirect Charges	\$0.00	\$0.00	\$0.00	\$0.00
j. Fiscal Sponsor Administrative Fee	\$0.00	\$0.00	\$0.00	\$0.00

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k. Project Total (sum h – i)	\$38,655.00	\$24,356.00	\$33,767.00	\$96,778.00
1. Program Income	\$0.00	\$0.00	\$0.00	\$0.00

52. Match amount by all organizations (including applicant) providing match

Organization Name	Cost Category	Type of Match	\$ Value
1) Southern California Edison	Contractual	in kind	\$23000
2) Orange County Conervation Corp	Contractual	in kind	\$1167
3) Aguinaga Green Waste	Contractual	in kind	\$9600
4) FSCEOCC	Personnel	in kind	\$24356
5)			\$
6)			\$
7)			\$
8)			\$
9)			\$
10)			\$

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TOTAL:	\$58123
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