



THOMAS L. BOLICH
DIRECTOR OF PUBLIC WORKS

County of Santa Cruz

0459

DEPARTMENT OF PUBLIC WORKS

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AGENDA: AUGUST 6, 2002

July 23, 2002

SANTA CRUZ COUNTY BOARD OF SUPERVISORS
701 Ocean Street
Santa Cruz, California 95060

SUBJECT: SUDDEN OAK DEATH HAZARD TREE REMOVAL PROGRAM

Members of the Board:

On August 14, 2001, your Board approved the proposed Santa Cruz County Sudden Oak Death (SOD) Hazard Tree Assessment, Removal, and Restoration Plan for submittal to Marin County. The Department of Public Works has since been asked to submit a revised plan conforming to the specific format approved by the California Board of Forestry. A copy of the latest SOD Hazard Tree Assessment, Removal, and Restoration Plan is attached for your review. Upon your Board's approval, the plan will be resubmitted to Marin County for its review and will then be forwarded to the California Department of Forestry for final approval by its Board.

In addition to approval of a formal SOD Hazard Tree Assessment, Removal, and Restoration Plan, a resolution committing Santa Cruz County to the terms of the Marin County and Department of Forestry Agreement is required in order to secure cost reimbursement in the amount of \$291,600. The aforementioned resolution is attached for your Board's review and adoption.

It is therefore recommended that the Board of Supervisors take the following action:

1. Approve the proposed Santa Cruz County Sudden Oak Death Hazard Tree Assessment, Removal, and Restoration Plan for submittal to Marin County and the California Department of Forestry.

2. Adopt the attached resolution that commits Santa Cruz County to the terms of the Marin County and California Department of Forestry Agreement.

Yours truly,

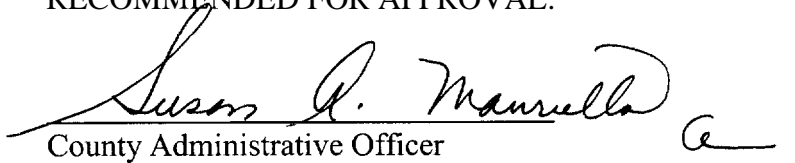


THOMAS L. BOLICH
Director of Public Works

CIB:mg

Attachments

RECOMMENDED FOR APPROVAL:



County Administrative Officer

copy to: Public Works
Steve Tjosvold, UC Cooperative Extension
Dave Moeller, Agricultural Commissioner
Jim Nee, Agricultural Commissioner's Office
Gretchen Iliff, Parks, Open Space & Cultural Services Department
Laura Kuhn, City of Scotts Valley
George Gray, California State Parks

OAKM.WPD

BEFORE THE BOARD OF SUPERVISORS
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA

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RESOLUTION NO. _____

On the motion of Supervisor
duly seconded by Supervisor
the following resolution is adopted:

RESOLUTION AUTHORIZING THE COUNTY OF SANTA CRUZ
TO COMMIT THE COUNTY TO THE TERMS OF THE HAZARD TREE ASSESSMENT,
REMOVAL AND SUDDEN OAK DEATH SYNDROME TREE RESTORATION
STATE/COUNTY AGREEMENT BETWEEN MARIN COUNTY AND
THE STATE OF CALIFORNIA, DEPARTMENT OF FORESTRY AND FIRE PROTECTION

WHEREAS, the ten central California counties of Marin, Sonoma, Napa, San Mateo, Santa Clara, Santa Cruz, Monterey, Alameda, Solano and Mendocino, are affected by Sudden Oak Death Syndrome (SODS) and are known as SOD-affected counties; and

WHEREAS, SOD-affected counties are eligible to apply for funding from the California Department of Forestry and Fire Protection (CDF) SODS Hazard Tree Assessment, Removal, and SOD Tree Restoration (HTR) Project, utilizing \$1.296 million in funds appropriated by CDF in fiscal year 2001/2002, and

WHEREAS, the funding will be used to reimburse counties for the costs incurred in the assessment, removal and restoration of hazardous trees, and

WHEREAS, Marin County shall serve as the Fiscal Agent, and

WHEREAS, compensation to Marin County for administration of the Hazard Tree Assessment, Removal, and SOD Tree Restoration Project in the amount of \$64,800 is part of the \$1.296 million budget for this program, and

WHEREAS, participation by SOD affected counties in the SODS HTR Project requires each county to pass a resolution committing the county to the terms of the Hazard Tree Assessment, Removal and SOD Restoration State/County Agreement, a copy of which is attached hereto and incorporated herein by this reference, and

WHEREAS, Santa Cruz County is eligible to apply for \$291,600 of cost reimbursement funding from the \$1.296 million budget for this program as documented in the Hazard Tree Assessment, Removal and SOD Restoration State/County Agreement,

NOW, THEREFORE, BE IT RESOLVED that the Santa Cruz County Board of Supervisors hereby commits Santa Cruz County to the terms of the Hazard Tree Assessment, Removal and SOD Restoration State/County Agreement for the duration of the Agreement from April 1, 2002, to March 31, 2004.

PASSED AND ADOPTED by the Board of Supervisors of the County of Santa Cruz,
State of California, this ____ day of _____ 2002, by the following vote:

0462

AYES: SUPERVISORS

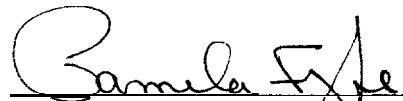
NOES: SUPERVISORS

ABSENT: SUPERVISORS

Chairperson of said Board

ATTEST: _____
Clerk of said Board

Approved as to form:



Assistant County Counsel

Distribution: County Counsel
Public Works
Dave Moeller, Agricultural Commissioner
Jim Nee, Agricultural Commissioner's Office

COUNTY OF SANTA CRUZ
SUDDEN OAK DEATH HAZARD TREE REMOVAL PROGRAM PLAN

0463

1. County Board of Supervisors Resolution

The Santa Cruz County Board Of Supervisors adopted a resolution on August 6, 2002, that commits the County to the terms and conditions of the agreement.

2. Contact person for communication with California Department of Forestry and Fire Protection (CDF) in Santa Cruz County

The designated contact person for communication with CDF on matters concerning the Santa Cruz County Hazard Tree Assessment, Removal and SOD Restoration Plan is:

Dave Moeller, County Agricultural Commissioner
175 Westridge Drive
Watsonville, CA 95076-2797
Telephone: (831) 763-8080
Fax: (831) 763-8255
Email: agcomm@aol.com

The designated contact person for communication with CDF on matters concerning the Hazard Tree Assessment, Removal and Sudden Oak Death (SOD) Tree Restoration State/County Agreement is:

John Swenson, Senior Civil Engineer
Santa Cruz County Department of Public Works
701 Ocean Street, Room 410
Santa Cruz, CA 95060
Telephone: (831) 454-2160
Fax: (831) 454-2385
Email: john.swenson@co.santa-cruz.ca.us

3. Designated department responsible for managing hazardous tree assessment, removal and tree restoration process

The department responsible for managing the hazardous tree assessment, removal and tree restoration process in Santa Cruz County is the Department of Public Works. Refer to Attachment I, Santa Cruz County Plan – Departmental Responsibilities for tasks and responsibilities by department.

4. Hazardous tree assessment, removal and restoration plan

A. Hazardous tree assessment

Hazardous trees include known hosts of *Phytophthora ramorum* that exhibit SOD symptoms and are considered by the Agricultural Commissioner to present a direct threat to human life. Hazardous trees will be identified by an International Society

of Arboriculture Certified Arborist, a California Registered Professional Forester, or other qualified persons designated by the Santa Cruz County Agricultural Commissioner. A variety of methods will be applied to identify hazardous trees such as remote sensing using satellite imagery, mapped records from the California Oak Mortality Task Force, field observations from the professionals listed above, and correspondence from concerned citizens.

The Department of Public Works (DPW), Department of Parks, Open Space and Cultural Services (POSCS) and the Santa Cruz County Fire Department are the primary County departments responsible for identifying SOD trees for removal. Each department will conduct an ongoing survey of land under their jurisdiction to identify SOD hazardous trees. Trees identified for removal will be reported to the Santa Cruz County Department of Public Works. The Department of Public Works is responsible for prioritizing trees for removal and conducting on-site inspections of trees, including completion of the SOD Hazard Tree Removal Record Form as developed by the Oak Mortality Task Force.

B. Hazardous tree removal process

Priority shall be given to SOD trees that pose the greatest threat to public safety. Any SOD host tree may be removed if determined by the Santa Cruz County Department of Public Works to present a direct threat to human life.

The Department of Public Works will coordinate the process of soliciting proposals and selecting outside contractors for the removal of hazardous trees. Public Works will oversee tree removal contractors for lands under DPW jurisdiction, POSCS, and the City of Scotts Valley. Contractors interested in participating should submit the following required information:

- o A completed General Services Contract (copy attached).
- o Business license copy.
- o Certificate of Liability Insurance (\$1,000,000), with separate endorsement listing the County and its employees as additionally insured.
- o Verification of Worker's Compensation Insurance.
- o Proof that contractor pays prevailing wages.
- o California contractor's license.
- o Daily rate for a crew, consisting of two climbers and one ground worker, and necessary equipment; chippers, chainsaws, etc.
- o Daily rate for three-person crew with boom-aerial lift truck, if available, and other related equipment.
- o Rate for crane and operator (crane type, size and capacity).

- o Availability and overtime rates for emergency call-out work, such as downed trees, storm damage, etc. (must be able to respond within two hours within Santa Cruz County).
- o Hourly rate or base rate for stump grinding.
- o Cost for disposal of wood and chips on a per-ton basis.
- o Cost for on-site processing of wood.
- o Any discounts, if applicable, for large volume work, more than two consecutive days.
- o International Society of Arboriculture Pruning Standards and all applicable Cal-OSHA regulations must be enforced.

C. SOD tree restoration process

Restoration will include replacement of hazardous trees and amendments to disturbed sites where trees are removed under the terms of the State/County Agreement (e.g., soil replacement, mulching, seeding with erosion control mix). Hazard tree removal sites will be evaluated and restoration projects developed and implemented based on individual on-site criteria.

Examples of criteria that will be considered for restoration projects are topography, aspect, surrounding habitat, predominant ecotype, stand density, soil type, property use, etc. Hazardous trees removed under this contract may or may not be replaced. This decision will be made using site specific criteria as outlined above and additionally considering whether the setting is forest, park, street, right-of-way, single or multiple tree, and availability of suitable and replacement trees. When developing site restoration projects, the "Restoration of Oak Woodlands Impacted by Sudden Oak Death" guidelines developed for the California Oak Mortality Task Force will be reviewed and considered.

D Description of hazardous tree assessment, removal and SOD tree restoration documentation to be provided

Documentation will include invoices and other commonly accepted forms of proof-of-cost and work performed, e.g., time sheets and county job classification salaries and fringe benefits tables.

Other documentation will include:

- o Name and qualifications of tree assessor.
- o Removal date.
- o Removal cost.

- o Site Information: owner's name, address, latitude and location expressed in UTM coordinates as determined using global positioning system (GPS). If GPS is not available, information will be provided using a map containing enough specific information to relocate tree if necessary.
 - o Target Category: residential, street, park, school, highway, parking lot, mall, other.
 - o Tree Information: species, diameter at breast height, approximate height.
 - o Stand Information: natural, planted, mixed, solitary tree, in a group, altered.
 - o Tree Structural Information: multiple trunks, heavy lateral limbs, multiple branches at same point, embedded bark in crotch, crook or sweep, crack or splits, root rot, sap rot, heart rot, fire scar, mechanical damage.
 - o Symptoms: dead tree, ooze – liquid or dry, Hypoxylon, leaf spots on neighboring trees, beetle frass.
 - o Description of why tree was hazardous.
 - o Description of impact if the tree failed.
 - o Would the tree have been removed without state funds?
 - o Replanting information, where appropriate.
 - o Additional comments.
 - o Sketch of tree location in relation to identified hazard.
 - o Before and after photograph.
- E. Timeline for assessment, removal, and restoration.

Hazardous tree assessment, removal, and restoration will be accomplished within one year following authorization.

5. Detailed funding request, not to exceed county allocation outlined in Section 1: Participating Counties; Funding Distribution of the State/County Agreement.

Santa Cruz County requests funding for hazardous tree assessment, removal and restoration as follows:

Hazardous-Tree Assessment	\$ 22,500
Removal	\$ 225,000
Restoration	<u>\$ 44,100</u>
	\$ 291,600

Santa Cruz County - Hazardous Tree Assessment, Removal and SOD Restoration Plan
Departmental Responsibilities

Attachment I

Task Description	Board of Supervisors		Agricultural Commissioner	Department of Public Works	Parks and Open Space	County Fire
	Supervisors	Administrator				
Santa Cruz Co. SOD Plan Development				X		
Board of Supervisors (BOS) Approval: 8/6/2002	X					
Plan Approval by CDF: Date: _____						
Contract Administration				X		
Contract Development with CDF				X		
Identify S.O.D. Trees					X	X
Make Lists			X			
Rough Estimate Costs					X	
Assessment/Verification of each tree (and fill out Hazard form)						
County RFP for Tree Removal Services				X		
With POS Input						
RFP to Board: Date: _____						
Contracts for Tree Removal Services				X		
(DPW contracts for their properties, POS for theirs)						
Contracts To BOS: Date: _____						
Tree Removal Bills				X		
Contractors do before and after photos (DPW to ok their bills to POS)						
Restoration Bills, if Any				X		
Tree Removal/Restoration Bills to State for reimbursement				X		

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