

## Appendix B-8

### LAKE TAHOE RESTORATION PROJECTS ESTIMATED DIRECT COSTS & KEY MILESTONE DATES

Project Name: East Shore Ecosystem Restoration, Hazardous Fuel Reduction Agency: USFS – LTBMU  
 Prepared by: Scott Parsons Phone: 530-543-2687 EIP #: 10178.207  
 SNPLMA Project #: \_\_\_\_\_

#### Identify estimated costs of eligible reimbursement expenses:

<b>1. Planning, Environmental Assessment and Research Costs</b> (specialist surveys, reports, monitoring, data collection, analysis, NEPA, etc.)	\$ <u>49,000</u>	<u>7</u> %
<b>2. Direct Labor (Payroll) to Perform the Project</b>	\$ <u>14,000</u>	<u>2</u> %
<b>3. Project Equipment</b> (tools, software, specialized equipment, etc.)	\$ _____	_____ %
<b>4. Travel</b> (including per diem where official travel status required to carry out project, such as serve as COR, experts to review reports, etc.)	\$ _____	_____ %
<b>5. Official Vehicle Use</b> (pro rata cost for use of Official Vehicles when required to carry out project)	\$ <u>7,000</u>	<u>1</u> %
<b>6. Cost of Contracts, Grants and/or Agreements to Perform the Project</b>	\$ <u>420,000</u>	<u>60</u> %
<b>7. Other Direct Costs</b> (direct labor for agency personnel to do project procurements; COR; PI; personnel assigned as NEPA lead; personnel assigned to review contracted surveys, designs/drawings, reports, etc.; project manager and/or project supervisor; and contracted costs for project manager and/or project supervisor if contracted separately)	\$ <u>140,000</u>	<u>20</u> %
<b>8. Indirect Costs</b>	\$ <u>70,000</u>	<u>10</u> %
<b>TOTAL:</b>	\$ <u>700,000</u>	<u>100</u> %

#### Estimated Key Milestone Dates:

Milestones/Deliverables:	Date:
Prepare Contract	5-1-2007
Award Contract	7-1-2007
Complete Contract Work Including Inspections	10-15-2009
Final Completion Date:	12-31-2009

**COMMENTS:** Estimate 450 acres of hazardous fuels reduction work to accomplish through agency contracts and Fire Safe Council work.

## APPENDIX I

### LAKE TAHOE CAPITAL PROJECT PROPOSAL

**Project Name:** East Shore Ecosystem Restoration and Hazard Fuels Reduction  
**Capital Focus Area:** Fuels Reduction and Forest Health  
**EIP #:** 10178.207

**Lead Agency:** USFS - LTBMU  
**Contact:** Scott Parsons

**Threshold:** Vegetation  
**Phone Number:** (530) 543-2687

**Threshold Standard:** Common Veg/Hazardous Fuels  
**Email Address:** sparsons@fs.fed.us

**Is this a multi-year Project?**  
(If “Yes”, describe in the Detailed Project Description below number of years or phases and which year the requested funding will cover) Yes  
**Total Project Cost:** \$700,000  
**Funding Request in this Round:** \$700,000

**Project Summary (maximum 200 words):** Conduct environmental analyzes and implementation for small scale hazardous fuels reduction and forest ecosystem health projects coordinated with fire safe councils for project implementation. Conduct hazardous fuel reduction treatments within the Slaughterhouse Canyon area of the east shore as well as other areas on the east shore in need of fuel hazard reduction treatments as identified from the Stewardship and Fireshed Assessment process. These fuel reduction treatments would focus on the Urban Wildland Interface. These treatments would reduce the level of hazardous fuels within the threat zones which include the use of mechanical thinning to reduce live tree densities, mechanical chipping and removal to reduce the amount of existing dead and down biomass to reduce fire hazards. Included in project implementation is contract administration and project monitoring.

**Detailed Project Description:** Reduce fuel ladders and accumulations by modifying vegetation structure and fuel loads; restore to a healthy, diverse, fire resilient forest structure through tree thinning, and introduce prescribed fire to restore fire regimes that were historically part of the ecosystem. Existing forest vegetation and fuel accumulations in the east shore area poses a heightened risk for high intensity wildfire around private property (Lake Tahoe Watershed Assessment, 2002). The US Forest Service is directed to prioritize areas that have significant wildland fire risk to private property, watershed and wildlife habitat for fuel reduction treatments that will restore them to a healthy, diverse, fire resilient forest structure.

**Describe the goals and objectives of the project:** The *goals* of this project are to restore fire dependent ecosystem, enhance fire suppression capabilities, and protect life and property. The *objectives* of this project focus on the Fuels Reduction and Forest Health identified in the Round 7 Request for Project Proposals. The Focus Areas addressed are: FFH-1 and FFH-2, completion of defense, threat, and general forest zone treatments identified through the Stewardship and Fireshed Assessment process and Community Wildfire Protection plans - so that health and vigor of residual trees is maintained or increased to favor the development of large tree forest structure; FFH-4, mechanical, hand thinning and prescribed fire treatment methods will be used to achieve the objectives of returning the forests of the Lake Tahoe Basin to a healthy, fire resistant condition - the existing fuel profile will be modified to reduce fuel ladders, standing and down fuel loads, and vegetation so that treated areas would be able to withstand a wind-driven wildfire event without causing significant damage to residual trees; FFH-5, to the extent possible biomass and small diameter forest products will be utilized from the thinning of trees; **FFH-6**, implementation of this project will include Public Affairs staff conducting outreach and education efforts within the Lake Tahoe Basin to help increase public understanding of fuels reduction projects; **FFH-7**, implementation of this project will include those treatment areas identified in the Nevada Fire

Safe Council and the local Fire Protection Districts Community Wildfire Protection Plans.

**Describe the anticipated project accomplishments:** Complete environmental analyzes and implement defense and threat zones with reduced fuel load over 450 acres of National Forest lands.

**Describe the “readiness” of this project to move forward (Environmental documentation, etc.):** The environmental analysis for the Slaughterhouse Canyon project was completed in September 2005. Slaughterhouse Canyon project implementation is scheduled to begin in the summer of 2007. Small scale hazardous fuels reduction projects NEPA and implementation is scheduled for 2007 and 2008.

**Describe partnerships for this project. (Include documentation):** This project will partner with the Tahoe Regional Planning Agency (TRPA), North Lake Tahoe Fire Protection District, Tahoe-Douglas Fire Protection District, and the Lake Tahoe Basin Region of the Nevada Fire Safe Council for the implementation of a portion of the Tahoe Basin Wildfire Threat Reduction Program.

**Describe the project monitoring that will be implemented as part of this project including:**

**(1) The questions the monitoring program is designed to answer**

The monitoring program will be developed as a part of the NEPA document. It will most likely include questions similar to the following:

- To what degree are the Best Management Practices implemented and effective in protecting soil and water resources?
- Are Regional soil quality standards being achieved within vegetation management treatment units?
- How effective are current fuels reduction treatments at reducing fire risk and intensity?

**(2) The monitoring approach**

The monitoring approach will be identified in the completed NEPA document. An adaptive management monitoring approach will be used to monitor implementation and effectiveness of the project. This monitoring will involve data collection before, during and after the project.

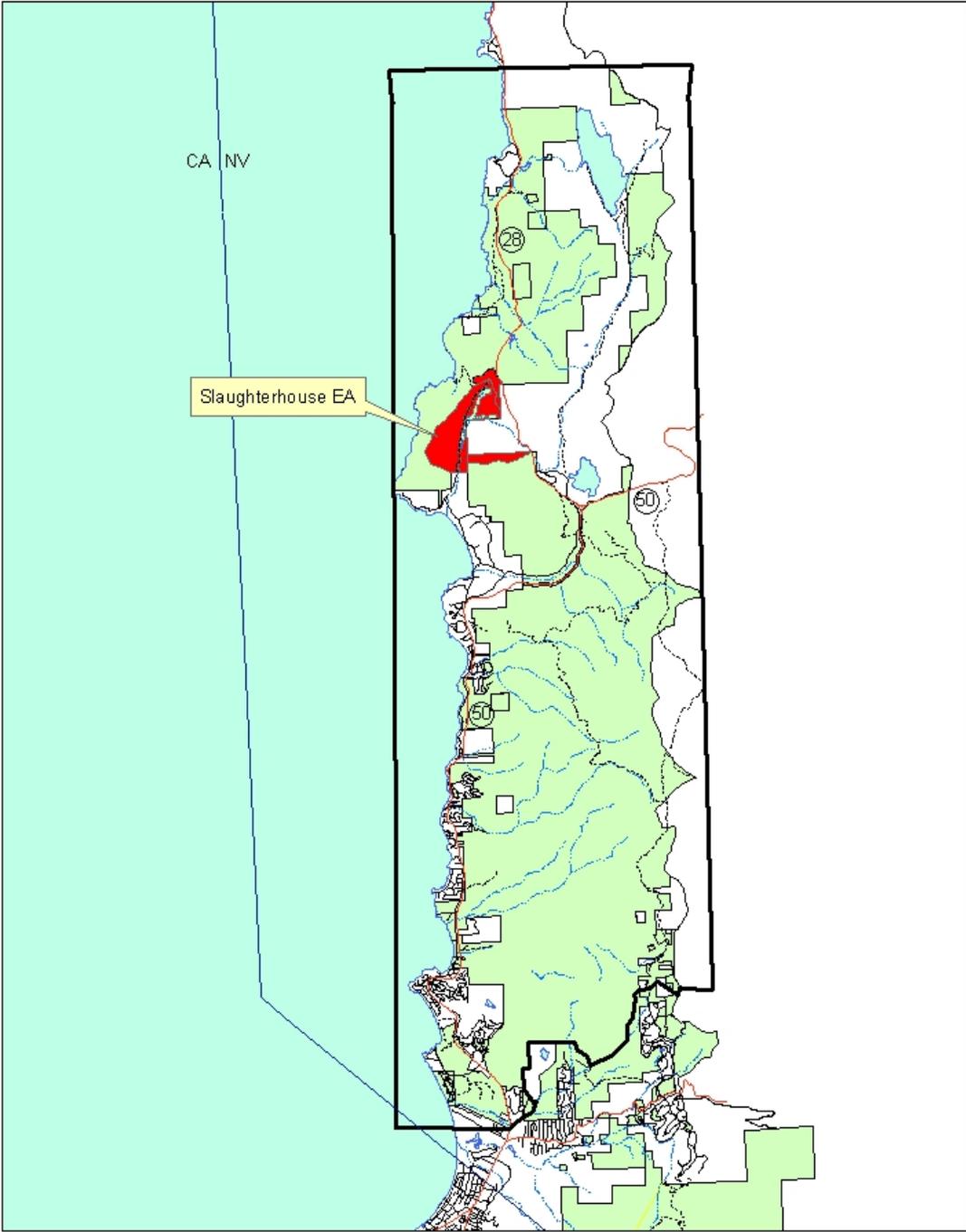
**(3) Whether this project monitoring fits in to a larger monitoring or research program?**

Project level monitoring will be identified as part of the environmental analysis process and will include elements of soil and water quality effects, Best Management Practices (BMP) effectiveness monitoring, and overall effectiveness monitoring of fuels reduction prescriptions. It will include monitoring of soil and water quality effects following treatment in stream environment zones (SEZ's). Monitoring will help determine the effectiveness of the treatments in regards to the level of reduction in expected fire behavior, the degree soil and water quality protection BMP's are implemented as designed and their effectiveness in protecting water quality, impacts of mechanical treatments on soil quality characteristics, and effects to wildlife habitat. Monitoring will be implemented by both the Fuels and Vegetation staff along with the Adaptive Management Group of the Ecosystem Conservation staff. Site specific monitoring of fuels reduction effectiveness, soil/water quality effects, BMP effectiveness along with landscape level monitoring of wildlife habitat changes will be used. This project proposal has the potential for serving as a basis of larger monitoring projects that are scheduled for the Lake Tahoe Basin. Monitoring will be summarized annually and reported in the LTBMU's Adaptive Management Program Annual Report.

**Describe how the project results will be communicated and made-available to the public:**

Results and accomplishments will be summarized in the Annual Forest Monitoring Program Report, as well as project specific monitoring reports. Project specific monitoring reports will be 1 to 5 years post project implementation, depending on variables being monitored.

# East Shore Planning Area



Planning Area

