

1. Describe the manner in which the proposal will be implemented to achieve ecological and community economic benefit, including capacity building to accomplish restoration.

A ten-year implementation schedule of treatment areas and restoration actions was developed as part of the Burney-Hat Creek Basins Project Collaborative Forest Landscape Restoration Proposal. Landscape restoration implementation will be guided by foundational land-treatment documents including: Forest Service Manual 2020 *Ecological Restoration and Resilience* (March 2010), Pacific Southwest Region Ecological Restoration Leadership Intent, *Lassen National Forest Land and Resource Management Plan* amended by the Herger-Feinstein Quincy Library Group Forest Recovery Act and environmental impact statement (EIS), the *Sierra Nevada Forest Plan Amendment, An Ecosystem Management Strategy for Sierra Mixed Conifer Forests* (PSW-GTR-220), *Managing Sierra Nevada Forests* (PSW-GTR 237), and *Fire and Resource Assessment Program under the California Department of Forestry and Fire Protection produced California's Forest and Rangelands: 2010 Assessment*.

Ecological Benefit

The project will improve landscape health and resilience, biological and forest structural diversity, hazardous fuels conditions, and continued ecological services within the Burney and Hat Creek basins. Over the ten-year project, monitoring and adaptive management will inform development and implementation of successive land treatments for continued improvement of treatment effectiveness that accounts for landscape variations and site-specific conditions that form the landscape mosaic. The resulting heterogeneous landscape pattern will provide long-term and sustainable ecological function and continued ecological services to support community and broader regional needs.

Community Economic Benefit

Modeling projections for the project predict generating 86.7 direct and 211.4 total commercial forest product related jobs. Other related activities should produce 4.1 direct and 5.5 total jobs. Over the life of the project, the creation of 211.4 total jobs is anticipated. Management activities will lower the risk of high-intensity and destructive wildfire within the project area and provide greater protection to the landscape, and the towns of Burney, Johnson Park, Clark Creek, Cassel, Hat Creek, Old Station, and other dispersed residents. Treatments to reduce hazardous fuels will improve public safety and reduce the cost of fire suppression by an estimated \$11,934,236. Improved and continued ecological services include hydrologic function and water supply that feeds domestic and agricultural uses, multiple hydroelectric projects, and recreational activities.

Restoration Capacity Building

The collaborative approach to landscape restoration activities on private lands within the project area has resulted in an integrated process with the State of California to incorporate all state review functions into one project review for treatments on private lands. This resulted in a significant efficiency gain for project review and approval. Integration with state review and approval processes would continue to be incorporated and improved upon, greatly increasing capacity. Opportunities for job development and training, multi-party monitoring, cooperative education activities, and community capacity building will be incorporated into project implementation. A range of contracting and agreement authorities will be explored to increase restoration capacity, increase the range of business opportunities and business partners, and improve investment risk for business ventures. Sustainable forest products, ecological services, and recreational opportunities will benefit community economic health and lead to improved investment and capacity building.

2. Anticipated unit treatment cost reduction over the life of the project (treatment costs include all funding sources):

Performance Measure Code	Average Historic Unit Cost	Cost Reduction per Unit	Assumptions
WTRSHD-RSTR-ANN	\$2,320	\$0	Reductions may result from integrated accomplishment reporting, but the quantity is uncertain
FOR-VEG-EST	\$250	\$0	No cost reductions are expected
FOR-VEG-IMP	\$269	\$86	Reduced unit cost assumes savings in less costly preparation and better economy of scale
INVPLT-NXWD-FED-AC	\$3,222	\$0	No cost reductions are expected
S&W-RSRC-IMP	\$269	\$86	Reduced unit cost assumes savings in less costly preparation and better economy of scale
HBT-ENH-LAK	\$5,455	\$0	No cost reductions are expected
HBT-ENH-STRM	\$20,824	\$0	Reductions may result from integrated accomplishment reporting, but the quantity is uncertain
HBT-ENH-TERR	\$269	\$86	Reduced unit cost assumes savings in less costly preparation and better economy of scale
RG-VEG-IMP	\$300	\$126	Reduced unit cost assumes savings in less costly preparation and better economy of scale
RD-HC-MAIN	\$4,737	\$0	No cost reductions are expected
RD-PC-MAINT	\$4,750	\$0	No cost reductions are expected
RD-DECOM	\$15,897	\$0	No cost reductions are expected
RD-HC-IMP	\$10,000	\$0	No cost reductions are expected
STRM-CROS-MTG-STD	\$135,000	\$0	No cost reductions are expected
TL-MAINT-STD	\$2,760	\$0	No cost reductions are expected
TL-IMP-STD	\$8,000	\$0	No cost reductions are expected
LND-BL-MRK-MAINT	\$1,000	\$0	No cost reductions are expected
TMBR-SALES-TRT-AC	\$405	\$0	No cost reductions are expected
TMBR-VOL-SLD	\$12	\$1	Cost reductions may result from larger scale contracts
BIO-NRG	\$7	\$2	Cost reductions may result from larger scale contracts
FP-FUELS-NON-WUI	\$185	\$26	Cost reductions may result from larger scale contracts
FP-FUELS-WUI	\$475	\$68	Cost reductions may result from larger scale contracts

3. Anticipated costs for infrastructure needed to implement project:

Type of Infrastructure	Anticipated Cost	Funding Source (federal, private, etc)
Road Construction	\$320,000	Federal
Water Sources	\$225,000	Federal
Stream Crossings	\$540,000	Federal

4. Projected sustainability of the supply of woody biomass and small diameter trees removed in ecological restoration treatments:

Fiscal Year	Number of acres to be treated	Projected Green Tons Removed per Acre	Total Green Tons Available
2012	1,400	80	112,000
2013	2,200	65	143,000
2014	2,800	60	168,000
2015	3,200	55	176,000
2016	3,400	50	170,000
2017	3,800	50	190,000
2018	3,200	60	192,000
2019	2,800	55	154,000

5. Projected local economic benefits:

Anticipated CFLR Funds:

Type of projects	Direct jobs	Total jobs	Direct Labor Income	Total Labor Income ¹
Commercial Forest Products	34.3	83.7	\$1,832,985	\$4,226,661
Other Project Activities	1.6	2.2	\$61,074	\$91,899
TOTALS:	35.9	85.9	\$1,894,059	\$4,318,560

Anticipated Total Funds:

Type of projects	Direct jobs	Total jobs	Direct Labor Income	Total Labor Income ²
Commercial Forest Products	86.7	211.4	\$4,630,545	\$10,677,529
Other Project Activities	4.1	5.5	\$154,288	\$232,159
TOTALS:	90.8	216.9	\$4,784,833	\$10,909,688

¹ Values obtained from Treatment for Restoration Economic Analysis Tool (TREAT) spreadsheet. See instruction document for more details.

² Values obtained from Treatment for Restoration Economic Analysis Tool (TREAT) spreadsheet. See instruction document for more details.

6. Document the anticipated non-Federal investment in the priority landscape. These funds may be spent on or off National Forest system lands:

Source of Investment	Amount of Investment	Description of Use	Will these funds be used on NFS lands?
Sierra Nevada Conservancy	\$330,000	Implementation and monitoring activities	Yes
Pacific Gas & Electric	TBD	Implementation and monitoring activities	No
Fruit Growers Supply Co.	TBD	Implementation and monitoring activities	No
Sierra Pacific Industry	TBD	Implementation and monitoring activities	No
W.M. Beaty & Associates Inc.	TBD	Implementation and monitoring activities	No
California State Parks	TBD	Implementation and monitoring activities	No
Pacific Crest Trail Association	TBD	Implementation activities	Yes

7. Plans to decommission any temporary roads established to carry out the proposal:

Projected accomplishment year (fiscal)	Number of Miles to be Decommissioned
2012	1.0
2013	3.0
2014	2.0
2015	2.0
2016	3.0
2017	1.0
2018	2.0
2019	1.0