Appendix B-8

LAKE TAHOE RESTORATION PROJECTS
ESTIMATED NECESSARY EXPENSES & KEY MILESTONE DATES

Project Name: Erosion Control Grants
Agency: USDA Forest Service, Lake Tahoe Basin Management Unit
Prepared by: Genevieve Villemaire (530) 543-2783
EIP#: multiple
SNPLMA Project #:
Identify estimated costs of eligible reimbursement expenses:

1. Planning, Environmental Assessment and Research Costs (specialist surveys, reports, monitoring, data collection, analysis, NEPA, etc.)	$ 40,000	.40 %
2. FWS Consultation—Endangered Species Act	$ N/A	%
3. Direct Labor (Payroll) to Perform the Project	$ 140,000	1.40 %
4. Project Equipment (tools, software, specialized equipment, etc.)	$ 10,000	.10 %
5. Travel (including per diem where official travel status required to carry out project, such as serve as COR, experts to review reports, etc.)	$ 10,000	.10 %
6. Official Vehicle Use (pro rata cost for use of Official Vehicles when required to carry out project)	$	%
7. **Cost of Contracts, Grants and/or Agreements to Perform the Project**	$ 9,200,000	92 %
8. Other Direct and Contracted Labor: Agency payroll for the Contracting Officer to do project procurement, COR, Project Inspector, Sec. 106 Consultation if required, NEPA Lead, Project Manager, Project Supervisor, and subject experts to review contracted surveys, designs/drawings, plans, reports, etc.; Also covered is the cost to contract for a Project Manager and/or Project Supervisor if contracted separately from other project contracts)	$ ~~200,000~~ 400,000	~~2~~ 4 %
9. **Other Necessary Expenses** (See Appendix B-11)	$	
TOTAL:	$ 10,000,000	**100** %

Estimated Key Milestone Dates:

Milestones/Deliverables	Date:
Announce RFP for grants to be funded by Round 10	**September, 2009**
TAC selects proposals for award	**November, 2009**
Grant awards completed	**March, 2010**
Grant administration	**ongoing**
Final Completion Date:	**2015**

COMMENTS:

None.

ROUND 10 CAPITAL PROJECT NOMINATION FORM
LAKE TAHOE FEDERAL SHARE EIP CAPITAL PROJECTS
APPENDIX K

Project Name: Erosion Control Grants
Agency: USDA Forest Service, Lake Tahoe Basin Management Unit
Prepared by: Genevieve Villemaire (530) 543-2783
EIP#: multiple
Email Address: **gvillemaire@fs.fed.us**
Threshold: **Soils, WQ, SEZ**
Threshold Standard: WQ-2A, 2b,4,5,6;SC-2
Funding Requested in this Round: **$10,000,000**
Total Project Cost: annual-ongoing

Federal Share EIP rationale (select and describe appropriate EIP criteria from 5 items below – projects must meet one or more of these 5 items):

1. Does the project involve federal land? **Sometimes, if USFS parcels are used through special use permit for erosion control project features (ie. basins, ditches).**
   - If so, is the federal land involved important to successful implementation of the project? **YES**
2. Does the EIP identify the federal funding for the EIP project (project #)? **YES**
3. Does the project involve the conservation of a federal or regional threatened, rare, endangered or special interest species? **No**
4. Does the project involve an identified federal interest such as the detection and eradication of noxious aquatic or terrestrial invasive species? **No**
5. Does the project otherwise directly support federal implementation of capital projects in the EIP (e.g. technical assistance, data management, resource inventories, etc.)? **YES, technical assistance**

List Capital Focus Area(s) (as described in the 2006 Federal Vision): **Watershed and Habitat Improvement**

Circle all that apply (must meet a minimum of one category):

1. Continued emphasis on forest ecosystem health/fuels reduction projects considering the LTBMU Stewardship Fireshed Assessment and Lake Tahoe Basin Multi-Jurisdictional Fuel Reduction and Wildfire Prevention Strategy.

→**2.** Continued implementation of projects approved in Rounds 5 through 9 which implement the EIP. Project proposal should identify the applicable project(s) from Rounds 5 through 9 and clearly describe the phase/product being produced along with the consequence of not completing the project phase proposed for Round 10.

→**3.** Project is consistent with and contributes toward TMDL pollutant reductions within the four source categories (atmospheric, urban & groundwater, forested uplands, and stream channel). List source category being addressed and integrate into the project nomination the following TMDL considerations (*see attached TMDL references – page 6). Source Category: urban and groundwater, stream channel

a) Describe whether, and how, the project demonstrates advanced, alternative, or innovative practices.

Responsibility of grant applicants. However, project proposals will be reviewed and those that are judged to be most effective will get higher ranking during the selection process.

b) If project includes project level monitoring, describe ability of proposed monitoring strategy to contribute to the state of TMDL knowledge. Also describe if purpose of the capital project is to conduct data collection and/or analysis related to Lake Tahoe clarity.

A portion of annual funding is available for focused BMP effectiveness monitoring as part of project implementation, to improve project design and BMP efficacy.

c) Describe treatment approach for reducing pollutants, and/or measures to address connectivity between pollutant sources and Lake Tahoe or its tributaries. Identify target pollutants, and, to the degree feasible, provide quantitative estimates of project effectiveness at reducing pollutant l oads (and/or a commitment to provide post-project estimates).
N/A

d) If appropriate, describe whether, and how, the project can be combined or coordinated with other TMDL implementation projects.
Project selection is informed through Technical Advisory Committee (TAC) process with other grant funding agencies (Nevada Division of State Lands, and California Tahoe Conservancy) for this category of projects, to ensure optimal coordination of projects and funds.

4. Control of aquatic invasive species and prevention and/or detection of new aquatic invasive species. **N/A**

Provide an overall Project Summary (maximum 200 words): (describe ONLY this Round 10 project):

The LTBMU Erosion Control Grant Program provides grant funding to local governing bodies of political subdivisions within the Lake Tahoe Basin to plan, construct, and monitor urban stormwater treatment and stream environment zone (SEZ) restoration projects. This program is authorized by the Lake Tahoe Restoration Act (Public Law 106-506) which requires a one-to-one state or local match to federal grant funds to implement EIP erosion control and soil conservation projects.

Please provide clear and concise written responses to each of the items below.
Please state "not applicable" if you believe the item or question is not applicable to your project.

Is this project proposed as a multi-round project (previous or future)? (If yes, for previous or future projects describe in the Detailed Project Description below number of years or phases and which year the requested funding will cover).

Yes, this is an ongoing program which has been funded every year from SNPLMA funds since Round 5 (approximately $48 .5 million). This has funded dozens of projects throughout the local governments of Lake Tahoe. See partnerships section below for who has received grants. It is expected that continued funding from future SNPLMA rounds will be needed at $10 million/year to achieve TMDL load reduction goals from urban sources, through 2018.

Detailed Project Description (focuses on what Round 10 is funding; list the number of years the requested funding will cover; briefly describe how this project links into previous and future projects).

Detailed project descriptions cannot be given at this time because grant proposals will not be solicited until September 2009. As in previous rounds, we will continue to grant these funds to local jurisdictions for erosion control, stream restoration, and focused urban stormwater BMP effectiveness monitoring projects. These projects are developed following the Storm Water Quality Improvement Committee's (SWQIC's) Feasibility and Evaluation of Alternatives (FEA) guidance

document. All of the project grants are multiple year grants. The maximum term length for these grants is five years. Most projects are phased to some degree. Initially funding is awarded for planning grants (to complete environmental analysis and at least 50% design), which is then followed up by grants for final design and construction. Some large-scale projects have multiple phases and grants for construction, to phase funding along with construction schedules.

Describe the specific goals and objectives of the project and describe how fulfilling those objectives will contribute to the achievement of one more environmental thresholds (air quality, water quality, soil conservation, vegetation, fisheries, wildlife, scenic, noise, recreation).

The goal of the LTBMU Erosion Control Grant Program is to improve Lake Tahoe clarity by improving the water quality of urban stormwater runoff. The objective of the grant program is to provide the level of federal funding authorized under the Lake Tahoe Restoration Act, and identified as needed in the Lake Tahoe EIP, to implement urban stormwater treatment and SEZ restoration projects to reduce the loading of sediments and nutrients to Lake Tahoe.

Describe the anticipated project accomplishments (i.e. products or identifiable environmental benefits being produced or implemented under this project):

The LTBMU Erosion Control Grant Program expects to award $9.2 million to local governments to fund the planning, implementation, and monitoring of urban stormwater treatment and SEZ restoration projects on the EIP project list. The local jurisdictions will use the grant funding to make progress in implementing erosion control and SEZ restoration projects on their 5-year plans. The grant program funded urban stormwater treatment projects will reduce sediment and nutrient loads to Lake Tahoe by implementing source control to reduce the degree to which stormwater runoff is polluted with sediment and nutrients, hydrologic control to reduce the volume and delay the delivery of peak runoff flows to receiving waters, and providing stormwater treatment. The grant program funded SEZ restoration projects will reduce sediment and nutrient loads to Lake Tahoe by stabilizing stream courses, and restoring hydrologic connectivity to floodplains

Describe the "readiness" of this project to move forward (urgency, capacity, capability, environmental documentation, interagency agreements, etc.):

The LTBMU Erosion Control Grant Program funds EIP projects at all stages of project development and implementation. A larger portion of the total LTBMU Erosion Control Grant funds awarded are for EIP project construction. These EIP project construction grants are closely timed to the year scheduled for construction, and often are utilized within one to two years of the grant award. The program also funds a number of proposals for EIP projects for which planning is either just beginning or continuing to completion. Project planning costs include development of the needed environmental documentation. No construction costs related to a grant funded project will be approved for reimbursement until NEPA assessment requirements have been fulfilled. Program management staff and processes are fully in place to provide necessary technical and administrative support for the Grants program.

Describe partnerships for this project. (if applicable, project should identify committed/secured partner funding and/or other partner contributions (describe) and how it is integrated into the project):

The LTBMU Erosion Control Grant Program provides grant funds to local governments in the Tahoe Basin (including the City of South Lake Tahoe, El Dorado County, Placer County in California, and Washoe County, Douglas County -- including Douglas County GIDs). The awarded

projects are selected for funding through an interagency technical advisory committee (TAC) with representatives from Tahoe Basin funding and regulatory agencies, including representatives from US BOR, CTC, NDSL, TRPA, ACOE, NDEP, and Lahontan RWQCB.

Describe the estimated environmental risks from unintended consequences of the proposed project:

N/A

Describe the project monitoring that will be implemented as part of this project including:
The monitoring described below is also described in the LTBMU 5 Year Monitoring Plan, which will be updated on an annual basis.

1) The questions the monitoring program is designed to answer

   - **How effective are urban stormwater project BMPs in reducing fine sediment and nutrient loads form urban sources?**

   - **What is pre-project water quality within a project area, and what is the appropriate mix of BMPs necessary to treat those specific loads?**

2) Describe the methods and strategies (i.e. monitoring, research, or both) that will be used to verify whether the project goals and objectives have been met? (Note, a detailed monitoring plan and/or research plan is not required, however, enough detail must be provided to allow someone that is unfamiliar with the project to understand and evaluate the proposed methods and strategies)

   Up to 10% of the grant funds may be awarded to proposals to monitor BMP effectiveness, or overall project effectiveness. Selection of Monitoring Projects under the LTBMU Grant program is made from interagency TAC recommendations. Projects are selected based on the perceived value of the effort to improve understanding of BMP effectiveness and/or to improve project designs. Projects typically employ automatic flow meters and samplers upstream and downstream of specific BMPs or BMP treatment trains within a project. As in the past, monitoring results are shared through various relevant interagency committees (LTIMP,SQUIC) and are posted on LTBMU and TIMMS websites.

3) Describe whether the monitoring or research associated with this project fits into or is part of a larger monitoring or research program

   The effectiveness of erosion control projects, urban storm water treatment BMPs, and SEZ restoration projects is a well recognized data gap for determining the likely pollutant load reductions to be achieved by erosion control and soil conservation projects, and are also proposed as sub-themes in the Tahoe Science Consortium Tahoe Basin Science plan. Monitoring funded through this program will be coordinated with the Lahonton RWQCB and TSC research program to support the Tahoe Basin TMDL.

4) Describe how information from the monitoring and/or research will be used to improve the continued performance of the proposed project or future similar projects

   Monitoring results are utilized by project design engineers and technical advisory

committees to inform future design, and improve the efficacy of projects.

Describe how the project results will be communicated and made available to the public.

Erosion control project development requires public scoping (public notices, public meetings) to collect information from the residents of a project area related to drainage problems, and to inform the public of the alternative projects considered, and the alternative selected for complete design and construction. In addition to public participation in project development, all final reports become part of the public record for the project, and the construction of the project results in a publicly owned improvement. Monitoring projects are documented in final reports that are available to the public on LTBMU's public website and the BMP effectiveness monitoring results are presented at the Lake Tahoe Interagency Monitoring Program (LTIMP) meetings and other Tahoe Basin research and design symposiums.

If applicable, include an 8 ½ X 11 map depicting the project.

N/A