ROUND 12 CAPITAL PROJECT NOMINATION FORM
LAKE TAHOE FEDERAL SHARE EIP CAPITAL PROJECTS
APPENDIX K

Project Name:	Erosion Control Grants	**EIP Number: (*Required*)**	Multiple
Federal Agency Sponsor: (*Required*)	LTBMU	**Contact:**	Barbara Shanley
Threshold:	Water Quality, soils, stream restoration	**Phone Number:**	530.543.2657
Threshold Standard:	Lake Clarity and TMDL	**Email:**	bshanley@fs.fed.us
FUNDING REQUESTED IN THIS ROUND:	**$** 9,520,000		

Federal Share EIP Consideration

Select "yes" or "no" for each question. If you have a "yes" response, briefly describe. ***Projects must meet one or more of these 5 items.***

1. **Does the project involve federal land? If yes, is the federal land involved important to successful implementation of the project?** — ***Yes*** ☐ ***No*** ☐

Some of the projects that will be funded by our grants will use Forest System lands under special use permits. When use is authorized, it is because the land is important to the success of the design of the erosion control project.

2. **Is this project identified in the EIP? If yes, please ensure the EIP number is identified in the above project information box. If no, provide a description of the projects contribution to the EIP program.** — ***Yes*** ☐ ***No*** ☐

Projects funded through grants have EIP numbers, but our grants to individual jurisdictions do not have EIP numbers. This Round 12 project is to fund Erosion Control Grants authorized by the Lake Tahoe Restoration Act.

3. **Does the project involve the conservation of a federal or regional threatened, rare, endangered, or special interest species?** — ***Yes*** ☐ ***No*** ☒

N/A

4. **Does the project involve an identified federal interest such as the detection and eradication of non-native invasive species (aquatic or terrestrial)? If yes, identify the species?** — ***Yes*** ☐ ***No*** ☒

N/A

5. **Does the project contribute to supporting implementation of capital projects in the EIP? Such projects that fulfill this function would include technical assistance, data management, and/or resource inventories?** — ***Yes*** ☒ ***No*** ☐

About $8.7 million of requested funding will go directly to EIP project planning and/or construction. Of the balance, $500 K is used for monitoring programs, and $800 K is for administration of the program.

Check all Capital Focus Area(s) that apply:

- ☒ 1. **Watershed and Habitat Improvement**
- ☐ 2. **Forest Health**
- ☐ 3. **Air Quality and Transportation**
- ☐ 4. **Recreation and Scenic**

Check 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 Fuels Reduction and Wildfire Prevention Strategy.**

- ☒ 2. **Continued implementation and/or completion of projects approved in Rounds 5 through 11 which implement the EIP. Project proposal should clearly describe the phase/product being produced along with the consequence of not completing the project phase proposed for Round 12.**

  List Rounds and funding:

  The Erosion Control Grants program has received funding from Round 5 thru Round 11 in the amount of $10 million per round, except for Round 5 which received $8.0 million. Total through Round 11 = $68.0 million.

- ☒ *3.* **Project is consistent with and contributes toward TMDL pollutant reductions within the four source categories (atmospheric, urban & groundwater, forested uplands, and stream channel).** ***NOTE: If "yes", then please respond to questions in the accomplishments section of the nomination proposal.***

- ☐ 4. **Control of aquatic invasive species and prevention and/or detection of new aquatic invasive species.**

Project Nomination Proposal Outline

Project Summary (a brief summary which clearly describes the proposed project –maximum 200 words)

- Summarize ONLY this Round 12 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.

Project Description

Introduction

- Provide project background which explains the situation and state the problem and how it will be addressed.

Note: *Focus needs to be the project in Round 12 not a history of an ongoing project or program.*

The fine particle component of urban storm water runoff has been identified as the largest contributor of loss of clarity in Lake Tahoe. Round 12 grants will continue to fund erosion control and stream restoration EIP projects put forth by the local governmental jurisdictions and approved by a joint Technical Advisory Team. These projects will continue to treat and/or decrease flows from urban sources. Focus of this round of funds will be on completing the high priority projects have already been initiated.

- Describe what Round 12 is specifically funding; list the number of years the requested funding will cover; briefly describe how this project links into previous and future projects, and identify other round funding.

NOTE: *Focus should be on finishing current/phased projects. If project is new in Round 12, clearly identify if the project is for planning or implementation and how it will be completed with Round 12 funds. Identify if other funds will be needed to complete the project. Please identify total non-SNPLMA funds that are being contributed/dedicated to the proposed Round 12 project and the source of those funds.*

Most of the round 12 funding will be used to complete final designs and/or construct already designed erosion control projects in each of our governmental jurisdictions. The funding will be available for 5 years. For some initiated projects, future funding may be required to complete construction. There may also be future projects identified on the EIP list of stormwater projects, in which planning is initiated. See Attachment A for the current estimate of projects to be funded in Round 12 as well as future funding needs in FY 13 and beyond to complete initiated projects. All erosion control projects have 1:1 matching contributions from state or local sources.

As in previous rounds, the FS will continue to grant these funds to local jurisdictions for urban stormwater treatment and urban stream restoration 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. Typically 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 of construction.

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

Projects under the Erosion Control Grants program are in various stages of design or completion. Most are ready or will be ready to go to construction in the next two summers (for Round 12, 2012 and 2013.).

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. 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, and PUDs). 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.

Note: *The form requests information about project goals, objectives, accomplishments, and questions the program is designed to answer across several different sections. These issues are closely linked and your individual responses should provide a cohesive description.*

Goal – Purpose and Need (“larger” statement of future expected outcome – usually not measurable)

The goal of the Erosion Control Grants Program is to fund projects in the Lake Tahoe Basin that will reduce storm water run-off and it associated erosion and pollution, and treat storm water for pollutants so that the clarity of the lake can be protected.

Objectives (specific measurable statements of action which when completed will move towards achieving the goal)

Note: *Objectives will form the basis for the milestones/deliverables to be identified in Appendix B-8*

- Describe how fulfilling objectives will contribute to the achievement of one or more environmental thresholds (air quality, water quality, soil conservation, vegetation, fisheries, wildlife, scenic, noise, recreation). Provide measures if applicable. For example: acres treated, miles of stream restored for each objective.

For all erosion control projects that we fund, the objectives are to reduce storm water flows and reduce pollutants of concern. The main pollutants are fine sediment particles, less than 16 microns in size, phosphorus and nitrogen. The reduction of these pollutants will result in slowing, stopping or reversing the loss in clarity to the lake. The reduction in pollutants will contribute to the achievement of water quality threshold. Stream restoration associated with erosion control grants contributes to the soil conservation and water quality and wildlife threshold as well.

- Describe the estimated environmental risks from unintended consequences of the proposed project (if applicable)**.**

N/A

Accomplishments

- Describe the anticipated project accomplishments (i.e. products or identifiable environmental benefits being produced or implemented under this project), and how the project results/accomplishments will be communicated and made available to the public.

Note: *Differentiate between direct and/or primary project effects and secondary and/or overall watershed effects.*

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 in 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 provide urban 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. As the TMDL reduction program is implemented in the Basin, the secondary effect will be seen in the reduction of fine particulates and nutrients to the lake, resulting in reducing impacts to lake clarity.

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 alternatives considered, and identify the selected alternative. In addition to public participation in project development, all final reports become part of the public record for the project. 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. Finally, local and regional newspapers report regularly on the clarity of Lake Tahoe as measured by the Secchi disc each year. Those results as well as the trend they indicate are closely followed by all interested parties as well as the public.

- If you checked "yes" for the project being consistent with and contributes to TMDL pollutant reductions please consider and integrate the following in the project description:

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

  Our Erosion Control Grants program consists of 8-12 grants to local jurisdictions. Each grant may fund 1 to 5 projects within that jurisdiction. Each project under our grants incorporates a variety of design technologies. Many of the latest technologies, such as Low Impact Development and innovative treatment/filter vaults, are incorporated into these projects. All projects have the same goals and objectives: to stop clarity loss in the lake and to do so by reducing fine particle contributions and nutrients into the lake.

  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.

  Funding requested will support the Lake Tahoe Interagency Monitoring Program and the Regional Storm Water Monitoring Program. The LTIMP maintains long term tributary water quality and flow monitoring on numerous tributaries in the Lake Tahoe basin. The RSWMP will establish a monitoring network to evaluate effectiveness of urban stormwater projects in meeting TMDL milestones.

  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 loads (and/or a commitment to provide post-project estimates).

  Target pollutants and treatment approaches vary with each project within each grant. RSWMP is being developed in part to provide quantitative estimates of BMP effectiveness so that project effectiveness can be determined. It is hoped that RSWMP will provide data needed to continue developing effective BMPs for use in reaching TMDL milestones.

d) If appropriate, describe whether, and how, the project can be combined or coordinated with other TMDL implementation projects.

Individual projects funded under this project are coordinated through interagency committees (SQUIC) and TACs (grant awards TAC) to ensure coordination with all implementing, funding, and regulatory agencies engaged in the urban stormwater component of the TMDL.

Monitoring

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

  - List the questions the monitoring program is designed to answer.

Our funding of RSWMP and LTIMP is the only monitoring activity that our Erosion control Grants program will be participating in for this round. The questions to be answered are determined by the interagency committees and agencies involved in those programs. The continued funding of these programs is in line with recommendations provided by last years science (TSC) review of this capital project.

  - Describe any coordination with, or input from, the science community on monitoring and adaptive management that has occurred on the development of this nomination and what changes (if any) to the project were made as a result of this input.

None, other than continued recommendation(s) to fund RSWMP and LTIMP programs.

  - 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.*)

see above

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

see above

  - 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.

BMP Monitoring results will be used by the jurisdictions to help design the most effective projects possible for the money and space available.

Attachments

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

Appendix B-8

LAKE TAHOE RESTORATION PROJECTS
ESTIMATED NECESSARY EXPENSES & KEY MILESTONE DATES

Project Name:	Erosion Control Grants Program	Agency:	Forest Service
Prepared by:	Barbara Shanley	Phone:	530.543.2657
SNPLMA Project #:	F110	EIP #:	multiple

Identify estimated costs of eligible reimbursement expenses:

1. Planning, Environmental Assessment and Research Costs (specialist surveys, reports, monitoring, data collection, analysis, NEPA, etc.)	$ 200,000	2.1 %
2. FWS Consultation – Endangered Species Act	$ 0	0 %
3. Direct Labor (Payroll) to Perform the Project	$ 180,000	1.9 %
4. Project Equipment (tools, software, specialized equipment, etc.)	$ 10,000	.1 %
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	.1 %
6. Official Vehicle Use (pro rata cost for use of Official Vehicles when required to carry out project)	$ 0	0 %
7. Cost of Contracts, Grants and/or Agreements to Perform the Project	$ 8,739,200	91.8 %
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)	$ 0	0 %
9. Other Necessary Expenses (see Appendix B-9)	$ 380,800	4 %
TOTAL:	$ 9,520,000	100 %

Estimated Key Milestone Dates:

Milestones/Deliverables:	Date:
Announce RFP	10/1/2011
TAC selects proposals for award	11/30/2011
Grant Awards	3 – 6/2012
Grant Administration	9/1/2017
Final Completion Date: 9/30/2017	

COMMENTS: