

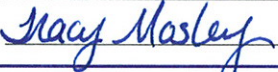
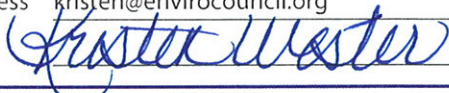
# Section 319 Grant - Project Proposal

7/26/12

Project Proposals are due Friday July 27, 2012

Project Title Park County Natural Resource Education and Outreach Program

## Project Sponsor Information

Name	<u>Park County</u>	Tax Identification Number	<u>81-6001401</u>
Address	<u>414 East Callender Street</u>	Website	<u>www.parkcounty.org</u>
City	<u>Livingston</u>	State	<u>Montana</u>
		Zip Code	<u>59047</u>
		County	<u>USA</u>
Primary Contact	<u>Tracy Mosley</u>	Signatory	<u>Kristen Wester</u>
Title	<u>Project Manager</u>	Title	<u>Project Administrator</u>
Phone Number	<u>406-222-4156</u>	Phone Number	<u>406-222-6555</u>
Fax Number	<u>406-222-4199</u>	Fax Number	<u>888-644-3230</u>
E-mail Address	<u>tmosley@montana.edu</u>	E-mail Address	<u>kristen@envirocouncil.org</u>
Signature		Signature	

## Project Funding

319 Funds Requested	<u>\$17,730.00</u>
Matching Funds	
State Match	<u></u>
State In-Kind Match	<u>\$3,780.00</u>
Local Match	<u>\$5,440.00</u>
Other Match	<u>\$3,150.00</u>
Total Matching Funds	<u>\$12,370.00</u>
Other Federal Funds	<u></u>
Total Project Budget	<u>\$30,100.00</u>
Advance Requested*	<u>\$0</u>
Administrative Fee	<u>\$1,785.00</u>

\*Advances require additional justification and DEQ approval.

Does the project sponsor have any open 319 contracts? No

Project Title \_\_\_\_\_

DEQ Contract Number \_\_\_\_\_

319 Award \_\_\_\_\_

Projected Closing Date \_\_\_\_\_

Project Title \_\_\_\_\_

DEQ Contract Number \_\_\_\_\_

319 Award \_\_\_\_\_

Projected Closing Date \_\_\_\_\_

## Nonpoint Source (NPS) Information

319 Project Category	<u>Education and Outreach</u>
Functional Category	<u>Local (Specific Target) Education/Inform</u>
1st Pollution Category	<u>Other (Groundwater Loadings)</u>
2nd Pollution Category	<u></u>
3rd Pollution Category	<u></u>
Waterbody Type	<u>Other</u>
Is waterbody on the 2012 Impaired Waters List?	<u>Yes</u>

## Project Location

Statewide ☐ *If project is not statewide, please complete the rest of this section.*

Does project implement a TMDL? No

Watershed Name or HUC # 10070003

TMDL Planning Area \_\_\_\_\_

Project 1 Name \_\_\_\_\_

Latitude (1) \_\_\_\_\_ Longitude (1) \_\_\_\_\_

Project 2 Name \_\_\_\_\_

Latitude (2) \_\_\_\_\_ Longitude (2) \_\_\_\_\_

Project 3 Name \_\_\_\_\_

Latitude (3) \_\_\_\_\_ Longitude (3) \_\_\_\_\_

Project 4 Name \_\_\_\_\_

Latitude (4) \_\_\_\_\_ Longitude (4) \_\_\_\_\_

## Project Description

Methods: Please describe the specific activities of this project.

The specific activities of this project include public outreach events in Livingston and Shields Valley within Park County and will address specific priorities during targeted public outreach campaigns including development issues and NPS prevention measures associated with the relatively unpolluted waters of the Shields Valley Watershed; and, educational presentations to high school students regarding area geology and watershed concerns, NPS pollution and oil and gas industry impacts - both environmentally and economically.

Objectives: Please describe the specific/measurable objectives that will ensure the achievement of the project goal(s).

The project addresses the NPS education and outreach goals for developing and implementing educational campaigns and expanding watershed and NPS awareness in schools. Anticipated objectives of the Park County Natural Resource Education and Outreach Program include development, implementation and facilitation of 6 public outreach workshops (two per year) and 6 high school presentations (two per year) over the course of the proposed three-year project period. The goal is to provide information (orally and with handouts and web links) to at least 40 attendees at each of the public workshops (240 minimum for total project period) and to at least 50 high school students per year (150 minimum for total project period).

Overview: Please provide a brief background of the proposed project.

Impacts of oil and gas development on water quality are a growing concern across much of the United States. As bordering states increase oil and gas production and test wells continue to be drilled in various parts of Montana, area and regional concerns have grown prevalent in the Park County area. Stormwater runoff from construction activities, the volume and contamination of the water used during hydraulic fracturing and pollution from leaking pits used for storage of the fracking water used during the extraction of natural gas are of particular concern, especially as it effects the Shields River Watershed. Public relations outreach programs and presentations will be designed to address all significant sources of NPS pollution with special emphasis on oil and gas extraction, best management practices as well as the significance and viability of the oil and gas industry in Montana. Collaboration between several interested stakeholders will bring strength and expertise to the development and implementation of this project. Information from current and future baseline water quality sampling projects in the Shields Valley Watershed with data currently being collected by the Montana Bureau of Mines and Geology will be utilized at public meeting workshops as well as in high school presentations. Other collaborators and contributors to this project will include Joe Brooks Chapter of Trout Unlimited, Montana Board of Oil and Gas Conservation, MSU/ Park County Extension Office, Park Conservation District, Park County Environmental Council, Shields Valley Watershed Group and Wildlife Conservation Society. Industry experts from the oil and gas industry, including Bill Barrett Corporation and Devon Energy, will also be asked to provide advisory and speaking representatives to participate in forums to communicate the essential role the industry plays and current best management practices associated with balancing pollution and natural resource protection while providing energy and products that contribute to economic growth. Letters in support of, and commitment to this project, from various stakeholders, will be provided with the final application. The Shields Valley Watershed Group (SVWG) is working in conjunction with the Bureau of Mines and Geology at Montana Tech to conduct baseline groundwater monitoring through the Groundwater Assessment Program, the Groundwater Characterization Program and supplemental grants to be applied for by SVWG. Year 1 workshops and presentations will introduce the sampling processes and a summary of any findings to date. Year 2 presentations will include preliminary results analysis from sampling data. Year 3 presentations will include final results of sampling efforts.

Monitoring: Please briefly describe the monitoring component of this proposal.

Although actual sampling will not be performed as a part of this funding request for assistance, the results of the water quality monitoring currently being gathered will be a major component of information presented at workshops and presentations. Public perception and/or knowledge gained of the topics covered at each workshop will be monitored to prepare for future project period adjustments to presentations and handout materials and for use in future projects and programs.

Education and Outreach: Please briefly describe the education and outreach component of this proposal and the target audience.

Two education and outreach components of this project include at least two public meetings per year in the each of the three years of the project period. The target audience of these meetings will include civic group representatives, environmental and watershed agency officials, industry representatives, landowners and community members. Classroom presentations at two local high schools will occur twice per year in each of the three years of the project period targeting high school science students.

Collaborative Effort: Please briefly describe project partners. Include other agencies, organizations and private citizens and their role in this project.

Partner	Role
MSU/Park County Extension	Education and outreach coordination, implementation and facilitation and networking.
Park County Environmental Council	Advisory role for all project education and outreach activities.
Shields Valley Watershed Group	Advisory role for all project education and outreach activities.
Wildlife Conservation Society	Advisory role for all project education and outreach activities.

## Scope of Work- Outline

### Task 1 Title Public Outreach Workshop Preparation, Implementation and Facilitation - Year 1

319 Funds	<input type="text" value="\$4,425.00"/>	Description
Non-Federal Match	<input type="text" value="\$3,459.00"/>	Development, implementation, planning and facilitation of two one-half day workshops to include a one-hour forum with industry and agency officials, landowners and stakeholders; three 1/2 hour presentations by agency experts; and one hour of social networking activities. Refreshments, handouts and links to presentation materials will be provided. Video recording of all workshop events will be posted to the unique Park County Natural Resource Education and Outreach page and linked to all other project collaborators. Workshops will take place in Shields Valley and Livingston, Montana, held within two months of each other.
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$7,884.00"/>	
Timeline	<input type="text" value="Q2/FY13 - Q2/FY14"/>	

### Task 2 Title Area High School Outreach Presentation Preparation, Implementation and Facilitation - Year 1

319 Funds	<input type="text" value="\$650.00"/>	Description
Non-Federal Match	<input type="text" value="\$1,398.00"/>	Development, implementation, planning and facilitation of two, one-hour presentations to Shields Valley and Park High School science students. Presentation topics will include area geology, natural resource extraction practices, watershed and non-point source pollution concerns, public involvement, emerging environmental requirements and the balance between natural resource protection and industry extraction. Handouts and links to presentation materials will be provided. Video recording of presentations will be posted to the unique Park County Natural Resource Education and Outreach page and linked to all other project collaborators and participating schools.
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$2,048.00"/>	
Timeline	<input type="text" value="Q2/FY13 - Q2/FY14"/>	

### Task 3 Title Public Outreach Workshop Preparation, Implementation and Facilitation - Year 2

319 Funds	<input type="text" value="\$4,425.00"/>	Description
Non-Federal Match	<input type="text" value="\$2,502.00"/>	Implementation and facilitation of two one-half day workshops to include a one-hour forum with industry and agency officials, landowners and stakeholders; presentations by agency experts; and one hour of social networking activities. Refreshments, handouts and links to presentation materials will be provided. Video recording of all workshop events will be posted to the unique Park County Natural Resource Education and Outreach link and linked to all other project collaborators. Workshops will take place in Shields Valley and Livingston, Montana. Adjustments will be made to past workshop agenda items in order to maximize the success of the NPS education program.
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$6,927.00"/>	
Timeline	<input type="text" value="Q2/FY14 - Q2/FY15"/>	

### Task 4 Title Area High School Outreach Presentation Preparation, Implementation and Facilitation - Year 2

319 Funds	<input type="text" value="\$650.00"/>	Description
Non-Federal Match	<input type="text" value="\$1,051.00"/>	Planning and facilitation of two, one-hour presentations to Shields Valley and Park High School science students. Presentation topics will include area geology, natural resource extraction practices, watershed and non-point source pollution concerns, public involvement, emerging environmental requirements and the balance between natural resource protection and industry extraction. Handouts and links to presentation materials will be provided. Video recording of presentations will be posted to the Park Co. Natural Resource Educ. and Outreach page and linked to project collaborators and participating schools. Adjustments will be made to the previous year's presentations as needed.
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$1,701.00"/>	
Timeline	<input type="text" value="Q2/FY14 - Q2/FY15"/>	

### Task 5 Title Public Outreach Workshop Preparation, Implementation and Facilitation - Year 3

319 Funds	<input type="text" value="\$4,425.00"/>	Description
Non-Federal Match	<input type="text" value="\$2,214.00"/>	Implementation and facilitation of two one-half day workshops to include a one-hour forum with industry and agency officials, landowners and stakeholders; presentations by agency experts; and one hour of social networking activities. Refreshments, handouts and links to presentation materials will be provided. Video recording of all workshop events will be posted to the unique Park County Natural Resource Education and Outreach link and linked to all other project collaborators. Workshops will take place in Shields Valley and Livingston, Montana. Adjustments will be made to past workshop agenda items in order to maximize the success of the NPS education program.
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$6,639.00"/>	
Timeline	<input type="text" value="Q2/FY15 - Q4/FY15"/>	

**Task 7 Title** Media Updates and Website Maintenance

Task 8 Title Grant and Project Administration and Reporting

### Task 9 Title

Comments: Please use the space provided for any additional information that may not have been captured by this application form.

Page 4 of 4