City of Puyallup

Meeker Creek Riparian & Stream Restoration

Fiscal Year 2013 Water Quality Financial Assistance Application

for

Centennial Clean Water Program (Centennial)

Federal Clean Water Act Section 319 Program (Section 319)

Washington State Water Pollution Control Revolving Fund (Revolving Fund)

DEPARTMENT OF ECOLOGY
State of Washington

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For Ecology Use Only:

Application No. _____

Place the cursor in the gray box at question 1, fill in the answer, and then use the F11 function key to navigate through the remaining questions in the application.

1. PROJECT TITLE: *(Please keep the project title to five words or less.)*

Meeker Creek Riparian & Stream Restoration

2. APPLICANT NAME: *(Public body or private not-for-profit per IRS 501 (C) (3))*

City of Puyallup

3. APPLICANT DATA:

Federal ID No.: 91 600 1274

4. APPLICANT SIGNATORY: *(The person whose name is listed here must sign Part 1 -Box 14 of this application)*

Name: Mark Palmer

Title: City Engineer	Telephone Number: 253-435-3606 Fax Number: (253) 841-5484	E-Mail Address: mpalmer@ci.puyallup.wa.us

Mailing Address

Agency: City of Puyallup

Address: 333 S Meridian

City: Puyallup State: WA Zip Code: 98371

5. APPLICANT PROJECT MANAGER: *(The person whose name is listed here is the main contact for the project)*

Name: Mark Palmer

Title: City Engineer	Telephone Number: 253-435-3606 Fax Number: (253) 841-5484	E-Mail Address: mpalmer@ci.puyallup.wa.us

Mailing Address

Agency: City of Puyallup

Address: 333 S Meridian

City: Puyallup State: WA Zip Code: 98371

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6. PROJECT INFORMATION:

What is the population served by the Project? 37,240 **What is the population served by the System?** 37,240

Is a map of the PROJECT location included with the application? ☒ Yes ☐ No

Note: The map should identify the primary location of the PROJECT and show its relationship to affected water bodies. Also include the location of other projects funded by Ecology that are adjacent to this PROJECT.

Is the PROJECT located in the Puget Sound basin (WRIA 1-19)? ☒ Yes ☐ No

Is the PROJECT located in a basin with salmonid stocks listed as threatened or endangered in accordance with the Endangered Species Act? ☒ Yes ☐ No

http://www.nwr.noaa.gov/ESA-Salmon-Listings/Index.cfm

Is the PROJECT statewide? ☐ Yes ☒ No

If **NO,** list below all of the county(ies), Water Resource Inventory Area designation(s) (WRIA), Legislative district(s), and Congressional district(s) where at least five percent of the PROJECT will be accomplished.

Note: *You must select a primary location and then provide additional location information as applicable. All separate designations (County, Legislative District, Congressional District, and WRIA) must equal 100 percent (list from greatest to least percentage, and please break any ties by at least one percentage point). Limit your separate Legislative Districts and Congressional Districts to those that cover greater than five percent of the project area.*

County(ies) for the Project:

Name	Percent
Pierce	100
Total	100

WRIA(s) for the PROJECT: http://www.ecy.wa.gov/apps/watersheds/wriapages/index.html

Water Resource Inventory Area	Percent
WRIA-10	100
Total	100

12-Digit HUC Code for the PROJECT: http://viewer.nationalmap.gov/viewer/nhd.html?p=nhd

Hydrologic Unit Code	Percent
17110014	100
Total	100

Congressional District(s) for the PROJECT: http://apps.leg.wa.gov/DistrictFinder/default.aspx?city=&street=&zip=

Number	Percent
9	100
Total	100

Legislative District(s) for the PROJECT: http://apps.leg.wa.gov/DistrictFinder/default.aspx?city=&street=&zip=

Name	Percent
25	100
Total	100

Latitude/Longitude for the PROJECT: Provide **coordinates in Decimal Degrees** (e.g., 45.3530/-120.4510) of PROJECT location. The PROJECT location is the approximate center of where you will be working. Facilities projects should report the outfall location or center of the land application site. Latitude/Longitude coordinates can be located at: http://itouchmap.com/latlong.html

Project Location	Lat	Long
Primary	47.182858	-122.314971

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7. PROJECT DURATION:

Estimated Start Date: 07/01/2012

Estimated Completion Date: 06/30/2014

PROJECT Length: 24 months

For Water Pollution Control Facility Construction projects:
Indicate the anticipated Initiation of Operation Date: _____

***Note**: Projects funded by the Revolving Fund must be complete within five years of publication of the Final Offer and Applicant List. The project type and scope of work will determine the project duration during funding agreement negotiations. Most projects take three years or less to complete.*

SFY 2013 Section 319 and Centennial nonpoint source activities projects have a shorter duration and must be completed by March 31, 2016.

8. WATER BODY AND WATER QUALITY NEEDS ADDRESSED BY PROJECT:

Is the affected water body listed on the Clean Water Act Section 303(d) List as impaired? Yes ☒ No ☐
An interactive map of Section 303(d) listed water bodies can be found at: http://apps.ecy.wa.gov/wqawa/viewer.htm

If yes, what is the 303(d)-listing parameter(s) and associated identification number(s)? Dissolved Oxygen, 47578; Fecal Coliform, 7507; pH 7499

Does the PROJECT address a priority strategy identified in the Puget Sound Partnership Action Agenda? Yes ☒ No ☐
The Puget Sound Partnership Action Agenda can be found at: http://www.psp.wa.gov/aa_action_agenda.php

If yes, provide the name of priority area. B1

Check all type(s) of water bodies that this PROJECT targets:

- ☒ Freshwater rivers
- ☐ Freshwater lakes
- ☒ Freshwater wetlands
- ☐ Ground water
- ☐ Direct marine water
- ☐ Saltwater estuary
- ☐ Other (specify) _____

Check all boxes that apply:

- ☒ Endangered salmonids
- ☒ Threatened salmonids
- ☐ Other Endangered Species Act protected species (identify) _____
- ☐ Protection of shellfish habitat http://www.doh.wa.gov/ehp/sf/Pubs/annual-inventory.pdf
- ☐ Protection of domestic water supply http://www.doh.wa.gov/ehp/dw/sentry.htm
- ☒ TMDL requirements http://www.ecy.wa.gov/programs/wq/tmdl/index.html
- ☒ NPDES permit requirements
- ☐ State Waste Discharge Permit

☐ Other (specify) _____

9. PROJECT CATEGORY:

Questions 9A, 9B, 9C, 9D, and 9E pertain to project specific categories. Depending on your project category, you will fill out **only ONE of these sections**.

Check the project category for this PROJECT:

☒ Nonpoint Source Activity - Answer question 9A
☐ On-Site Sewage System - Answer question 9B
☐ Pre-Construction Projects (for small communities) - Answer question 9C
☐ Stormwater - Answer question 9D
☐ Wastewater Facility - Answer question 9E

9A. NONPOINT SOURCE ACTIVITY projects only:

Type of PROJECT:

Check all boxes that apply:

☐ Agricultural best management practices (BMP)
☐ Other BMPs (specify): _____
☐ Site specific planning for BMP implementation
☐ Groundwater/aquifer/wellhead protection and/or planning
☐ Lake restoration planning and/or implementation
☒ Public outreach and education
☒ Riparian/wetland restoration
☒ Total Maximum Daily Load (TMDL) support
☐ Water quality monitoring
☐ Other (specify): _____

Is this PROJECT primarily planning or implementation?

☐ Planning ☒ Implementation

If applying for an implementation project, please fill out the table below.

Implementation Action	Reference the plan(s) that describes this action, including page numbers and where a copy of the plan can be obtained for review.
Riparian cover, natural vegetation	Clarks Creek DO TMDL, pg 20 draft plan, Attachment A
Meeker Creek channel restoration	Puyallup Storm Drainage Comp Plan, draft; pg ES-3; Attachment B

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Load Reduction

Will the proposed project directly result in a load reduction of Nitrogen, Phosphorus, and/or Sediment?

☒ Yes ☐ No

Check all boxes that apply:

☒ Dissolved oxygen ☐ Nitrogen ☐ Phosphorus ☐ Others (specify): _____

☒ Sediment ☐ Fecal coliform ☒ Temperature

Note: *If offered funding, the funding recipient is responsible for reporting annual load reduction results.*

9B. ON-SITE SEWAGE SYSTEM PROJECTS ONLY:

Type of PROJECT:

Check all boxes that apply:

☐ On-site sewage system surveys

☐ Repair/replacement local loan programs

☐ Other (specify): _____

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9C. PRE-CONSTRUCTION PROJECTS ONLY:

Applicants with a population of 25,000 or less and a Median Household Income (MHI) below the state MHI are eligible for funding under the pre-construction category. MHI data is available in Appendix H of the *Addendum to the 2012-13 Water Quality Financial Assistance Funding Guidelines,* which is available at:

http://www.ecy.wa.gov/programs/wq/funding/cycles/2013/index.html

***Note**: Applicants that do not meet the above criteria can still apply for pre-construction type projects in the facilities categories, 9D and 9E below.*

Type of PROJECT:

Check all boxes that apply:

- ☐ Facility planning
- ☐ Facility design
- ☐ Rate study
- ☐ Utility formation
- ☐ Value engineering
- ☐ Other (specify): _____

Population estimate for applicant (e.g., city, town, special purpose district)_____

Date of population estimate _____

Source of population estimate _____

MHI estimate for applicant _____

Date of MHI estimate _____

Source of MHI estimate _____

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9D. STORMWATER PROJECTS ONLY:

Type of PROJECT:

Check all boxes that apply for this PROJECT:

- ☐ Stormwater pollutant control facilities
- ☐ Low Impact Development Techniques
- ☐ Public outreach and education
- ☐ Source control activities
- ☐ Stormwater quality monitoring
- ☐ Stormwater Retrofit
- ☐ Stormwater best management practices
- ☐ Other (specify): _____

Planning/design stage completed for construction PROJECT:

- Check only **one** of the five boxes below that represents the present proposal, and identify **all** prerequisite planning documents and include attachments as necessary.
- Stormwater projects must be consistent with the Stormwater Management Manuals for Eastern or Western Washington, and the Low Impact Development Technical Guidance Manual for Puget Sound.

Project Type:	Prerequisite Planning:
☐ Stormwater Activity	Not Applicable.
☐ Stormwater Facility Planning (Step 1)	Not Applicable.
☐ Stormwater Facility Design (Step 2)	Include **Pre-design Report**[1] for this project with application**.**
☐ Stormwater Facility Construction (Step 3)	Reference the **plans and specifications** and any addenda for this project. _____
☐ Stormwater Facility Design and construction (Step 4)	Include **Pre-design Report**[1] for this project with application**.**

Growth Management Act (GMA) Compliance:

For Cities and Counties; Is your community required to plan under GMA? Yes ☐ No ☐

If yes, is your community in compliance with GMA? Yes ☐ No ☐

If not in compliance, explain why and what the jurisdiction is doing to become compliant. _____

For Special Districts (e.g., Sewer Districts, Public Utility Districts); Is the proposed facility located in a community required to plan under GMA? Yes ☐ No ☐

If yes, is the community in compliance with GMA? Yes ☐ No ☐

If not in compliance, explain why and what the jurisdiction is doing to become compliant**.** _____

Project Permits:

Is this stormwater project required under a permit? Yes ☐ No ☐ Provide permit number: _____

State Environmental Review Process (SERP):

Have you completed the SERP for this PROJECT? ☐ Yes ☐ No

If yes, when was it completed? _____ (attach the SERP concurrence letter)

Have you completed National Environmental Policy Act Review (NEPA) for this PROJECT? ☐ Yes ☐ No

If yes, when was it completed? _____ (attach the FONSI) NEPA may satisfy SERP requirements

[1]see Financial Assistance Guidelines for Pre-design Report requirements, http://www.ecy.wa.gov/programs/wq/funding/cycles/2013/index.html

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9E. WASTEWATER FACILITY PROJECTS ONLY:

Type of Wastewater Facility PROJECT:

Check all boxes that apply:

- ☐ Wastewater treatment system
- ☐ Large On-Site System
- ☐ Water reclamation and reuse
- ☐ Combined sewer overflow correction
- ☐ Wastewater collection system
- ☐ Infiltration and inflow correction
- ☐ Other (specify): _____

Environmental Requirements:

Have you completed the State Environmental Review Process (SERP) for this PROJECT? ☐ Yes ☐ No

If yes, when was it completed? _____ (attach the SERP concurrence letter)

Have you completed National Environmental Policy Act Review (NEPA) for this PROJECT? ☐ Yes ☐ No

If yes, when was it completed? _____ (attach the FONSI) NEPA may satisfy SERP requirements

Permits:

Do you have a discharge permit for this PROJECT? ☐ Yes ☐ No Provide permit number: _____

If no, what is the permit status? _____

Provide information on the effluent limits: BOD: _____mg/l TSS: _____mg/l

Planning/design stage completed:

Check only **one** of the four boxes below that represents the present proposal, and complete **all** prerequisite planning dates and include attachments noted.

PROJECT Type:	**Prerequisite planning approval dates:**
☐ Site specific facility planning (Step 1)	Not Applicable.
☐ Design (Step 2)	Provide the date of the approved **facilities plan**[1] and any amendments. Date of Ecology Approval: _____ (attach a copy of approval letter)
☐ Construction (Step 3)	Provide the date of the approved **facilities plan**[1] and any amendments. Date of Ecology Approval: _____ (attach a copy of approval letter) Provide the date of the approved **plans and specifications** and any addenda. Date of Ecology Approval: _____ (attach a copy of approval letter)
☐ Design and construction (Step 4)	Provide the date of the approved **facilities plan** and any addenda. Date of Ecology Approval: _____ (attach a copy of approval letter)

[1] Site specific planning documents must be approved as "facilities plans"; plans approved as "engineering reports" will not suffice.

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9E. WASTEWATER FACILITY PROJECTS ONLY, *CONTINUED FROM PREVIOUS PAGE:*

Growth Management Act (GMA) Compliance:

For Cities and Counties; Is your community required to plan under GMA? Yes ☐ No ☐

If yes, is your community in compliance with GMA? Yes ☐ No ☐

If not in compliance, explain why and what the jurisdiction is doing to become compliant. _____

For Special Districts (e.g., Sewer Districts, Public Utility Districts); is the proposed facility located in a community required to plan under GMA? Yes ☐ No ☐

If yes, is the community in compliance with GMA? Yes ☐ No ☐

If not in compliance, explain why and what the jurisdiction is doing to become compliant. _____

Investment Grade Efficiency Audit:

Have you performed an energy efficiency audit or a similar study on your facility in the past 5 years? Yes ☐ No ☐

If not, conducting an Investment Grade Efficiency Audit may be required as a condition of any funding offer.

For Wastewater Facilities, provide the following information:

System design capacity (MGD): _____

Number of effluent permit violations over the last twelve months: _____

Average monthly flow over the last twelve months (MGD): _____

Highest single monthly flow over the last twelve months: _____

Biological Oxygen Demand (BOD) (mg/l): _____

Effluent discharge of Total Suspended Solids (TSS) (mg/l): _____

Effluent discharge of Ammonia (mg/l): _____

Effluent discharge of Total Nitrogen (mg/l): _____

Effluent discharge of Phosphorus (mg/l): _____

Effluent discharge of Fecal Coliform (CFU/100 ml): _____

HARDSHIP:

For domestic wastewater CONSTRUCTION PROJECTS:

Is the Applicant requesting financial hardship assistance? ☐ Yes ☒ No

If yes, a *Financial Hardship Analysis Form* must be included with this application.

The hardship form can be found at: http://www.ecy.wa.gov/programs/wq/funding/cycles/2013/index.html

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10. GREEN PROJECT RESERVES ELIGIBILITY:

In the event the U.S. Congress reauthorizes money for Green Project Reserves (GPR) projects through the Water Pollution Control Revolving Fund for SFY 2013, Ecology will evaluate projects for eligibility for GPR funding.

If you are claiming GPR status for your PROJECT, YOU MUST ALSO FILL OUT one of the four project categories describing your project. (Part 1 - Sections 9A, 9B, 9D, 9E).

GPR PROJECT CATEGORIES

Green Infrastructure - defined as a wide array of practices at multiple scales that manage wet weather and that maintain and restore natural hydrology by infiltrating, evapotranspiring, and harvesting and using stormwater.

Energy Efficiency - defined as the use improved technologies and practices to reduce the energy consumption of water quality project, use energy in a more efficient way, and/or produce or utilize renewable energy.

Water Efficiency - defined as the use of improved technologies and practices to deliver equal or better services with less water.

Environmentally Innovative - defined as projects that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way.

A more detailed explanation of GPR categories and project eligibility can be found at: http://www.ecy.wa.gov/programs/wq/funding/cycles/2013/index.html

If you are claiming GPR status for your PROJECT, provide the following information:

GPR Category Check all boxes that apply:	**List the GPR Categorical Designation** (E.g., Section 3.2-1a) Refer to EPA GPR Guidelines at: http://www.ecy.wa.gov/programs/wq/funding/cycles/2013/index.html *If your PROJECT does not meet any of the categorical designations, you must develop a business case to demonstrate how your PROJECT meets the qualifications for GPR. Please contact David Dunn (360-407-6503) or Bill Hashim (360-407-6549) for assistance in developing a business case.*
☒ Green Infrastructure	1.2-7, 1.2-8
☐ Energy Efficiency	
☐ Water Efficiency	
☐ Environmentally Innovative	

Provide a brief description of how your PROJECT qualifies for GPR status: The Meeker Creek Riparian and Stream Restoration Project will create and permanently restore 10,000 ft^2 of riparian area while creating floodplains, and allowing for natural expansion of an existing, adjacent wetland mitigation site. The project will remove a stream from a manmade trapezoidal ditch, and create a natural, meandering stream channel to return it to. These efforts are in support of water quality improvement and relate to a current DO TMDL on the creek.

List the dollar Amount of the PROJECT that is directly related to:

Green Infrastructure	**$287,855**
Energy Efficiency	**$**
Water Efficiency	**$**

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Environmentally Innovative **$**

Projects eligible for Green Project Reserves may be provided loan subsidy if available.

11. FUNDING REQUEST: *(Provide the amount of funding requested to complete your project.)*

Check for consistency with costs provided in Part 2, Question 2.	**Project Amounts:**
Total PROJECT Cost This amount represents the full cost of the PROJECT.	$294,515
Applicant's Estimate of Total Eligible PROJECT Cost This amount represents that portion of the project cost that is eligible for Ecology grant or loan assistance. *Contact Ecology staff with any eligibility question. Also see Appendix C in the SFY 2012-13 Water Quality Financial Assistance Guidelines.*	$287,855
Total Ecology Funding Request This represents the total funding request (loan and grant) from Ecology.	$215,891
Ecology Loan Funding Request **Wastewater Facilities projects are eligible for loan funds only.** There are some exceptions for wastewater construction Centennial hardship grants or loan subsidy such as forgivable principal. Applicant must apply for hardship status to be considered. Ecology staff will make final hardship determinations after application submittal. (See section 9E.) There is also an exception for pre-construction forgivable principal loans for small communities. (See section 9C.)	$0 Indicate the loan term you would be willing to accept: ☐ 5 years ☐ 20 years
Ecology Grant Funding Request This represents the amount Ecology may provide the applicant. Activity projects may request grant funding for 75 percent of the eligible project cost. Ceiling amounts and match requirements vary depending on the project and source of funds. Refer to the funding program guidelines at: http://www.ecy.wa.gov/programs/wq/funding/cycles/2013/index.html *How to calculate Ecology's share: If Ecology's share is 75 percent of the eligible project cost, multiply the eligible project cost by 0.75.* If Ecology does not offer you grant funds, will you accept loan funds for part or all of the eligible project cost? (Answers will not affect your eligibility for grant consideration.) ☐ Yes ☒ No If yes, indicate the loan term you would be willing to accept: ☐ 5 years ☐ 20 years	$215,891 Loan amount requested if grant funds are not offered: $_____
Other Funds committed to PROJECT Only identify secured source(s) of funds: State/Federal agency City of Puyallup Stormwater Systems Imp. Budget State/Federal agency _____ State/Federal agency _____ Interlocal contribution _____	Amount committed from other agencies: $26,635 $_____ $_____ $_____

Local Agency _____	$_____
Interlocal contribution _____	$_____
	Value of in-kind
Non-monetary contributions:	contributions:
Value of in-kind donations Puyallup staff salaries	$40,529
Value of in-kind donations PCD Stream Team	$ 4,800

12. REFINANCE REQUEST: *(refinance projects only)*

Complete this section only if applying for refinance consideration.

Check the appropriate box: ☐ Interim ☐ Standard

Interim Refinance: Complete Parts 1 and 2 of the application. This option applies to projects that are underway. Ecology will rate and rank the project same as other project proposals.

When did the project begin? _____

What is the source of interim financing? _____

Standard Refinance: Complete Part 1 of this application along with the Standard Refinance Worksheet. This option applies to projects that have completed construction. Do not complete Part 2 of the application. Attach a copy of the *Declaration of Construction Completion* for the project. The Worksheet can be found at: http://www.ecy.wa.gov/programs/wq/funding/cycles/2013/index.html

Ecology makes offers for standard refinance projects only if funds are available after higher priority projects are funded on the list.

13. BRIEF NARRATIVE DESCRIPTION OF PROJECT: *(50 words or less)*

Please use complete sentences. This description will appear in the published funding list.

The Meeker Creek Riparian and Stream Restoration Project will remove 1,000 linear feet of the 4,385-foot Meeker Creek from its trapezoidal ditch and return it to a natural, meandering stream channel. This project will restore over 100,000 ft^2 of riparian habitat and allow for natural expansion of the adjacent wetland.

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14. APPLICATION CERTIFICATION:	
I CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THE INFORMATION IN THIS APPLICATION IS TRUE AND CORRECT AND THAT I AM THE **LEGALLY AUTHORIZED SIGNATORY** OR DESIGNEE FOR THE SUBMITTAL OF THIS INFORMATION ON BEHALF OF THE APPLICANT.	
Mark Palmer, P.E.	Signature
City Engineer	11/04/2011

This concludes Part 1

Part 2
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This is the rated portion of the application worth up to 1,000 points. Applicants should provide clear, concise answers. **Note: An applicant must receive a combined score of 600 points or higher and a score of 125 points or higher on Question 3 Water Quality and Public Health improvements, of the Financial Assistance Application in order to be eligible for funding.**

EXECUTIVE SUMMARY (0 points)

In 250 words or less, describe the problem to be addressed, the scope of the project, its water quality benefits, and how the project addresses the identified problem.

As a result of decades of land development, Meeker Creek has been channelized into a manmade trapezoidal ditch that runs in an east-west alignment from near Fairview Drive and 10th Ave SW in Puyallup, to its confluence with Clarks Creek near 18th St SW. Large stretches of the creek are located on private property and are fully exposed with no riparian cover or shade. This exposure of the creek contributes to depressed levels of dissolved oxygen (DO) in Meeker Creek and, subsequently, Clarks Creek for which a DO Total Maximum Daily Load (TMDL) has recently been developed. The Meeker Creek Riparian and Stream Restoration Project will remove 1,000 linear feet of the 4,385-foot Meeker Creek from the trapezoidal ditch and place it in a natural, meandering stream channel. This project will also restore over 100,000 ft^2 of riparian area while creating floodplain storage, and allow for natural expansion of an existing, adjacent wetland. These efforts will contribute to an increase in DO levels in the creek through a reduction in stream temperature as a result of the riparian cover, suppression of elodea growth, and through designed channel features that will provide oxygenation to the stream.

1. SCOPE OF WORK

Scoring Guide	Total Up to 250 Points
Complete and concise description of the project tasks and outcomes. Clear detailed description of deliverables, timelines, and purpose.	Up to 100 pts.
Project directly and measurably addresses a water quality problem.	Up to 150 pts.

Evaluators award points for a clear, complete, and well thought-out scope that directly addresses a water quality problem. The scope must demonstrate an understanding of the work required to implement and complete the project.

- Provide a detailed scope of work, with timelines, to achieve the water quality benefits of the PROJECT that includes clearly defined tasks, deliverables, and costs per task.
- Describe the PROJECT area and provide a supporting map(s) and any relevant diagrams and pictures.
- For stormwater construction projects, reference the stormwater manual used for the project design.
- Applicants with projects that implement BMPs on private property, provide detailed maps for each subject property showing BMP locations. Include details such as fencing, planting, off-stream water, and land stabilization.

The information provided in this section will be the basis for the scope of work used in a funding agreement. If significant changes to the scope of work occur after a project is ranked, Ecology may

withdraw or decrease a funding offer.

Task 1 is standard for all grant and loan projects. Follow the format provided below for the additional tasks in your scope of work:

Task 1- Project Administration/Management:

A. The RECIPIENT will administer the project. Responsibilities will include, but not be limited to: maintenance of project records; submittal of payment vouchers, fiscal forms, and progress reports; compliance with applicable procurement, contracting, and interlocal agreement requirements; application for, receipt of, and compliance with all required permits, licenses, easements, or property rights necessary for the project; and submittal of required performance items.

B. The RECIPIENT must manage the project. Efforts will include: conducting, coordinating, and scheduling project activities and assuring quality control. Every effort will be made to maintain effective communication with the RECIPIENT's designees; the DEPARTMENT; all affected local, state, or federal jurisdictions; and any interested individuals or groups. The RECIPIENT must carry out this project in accordance with any completion dates outlined in this agreement.

C. The RECIPIENT must ensure this project is completed according to the details of this agreement. The RECIPIENT may elect to use its own forces or it may contract for professional services necessary to perform and complete project-related work.

Required Performance:

1. Effective administration and management of this grant project.
2. Maintenance of all project records.
3. Timely submittal of all required performance items including the Post Project Assessment Plan, progress reports, and financial vouchers.
4. Write and submit a one to two page summary of project accomplishments and outcomes at project completion, including pictures, to be published in the DEPARTMENT's Annual Water Quality Financial Assistance Report following the DEPARMENT's water quality stories format

Total Task Cost $7,452

Task 2: Design – Plans, Specification, Bid Packages

A. Preliminary Plans Conceptual plans were developed to provide a base-line understanding of the work to be accomplished, including scoping of the overall project (Attachment G). Preliminary plans will be further drafted to provide with bid package materials and provide initial understanding and guidance to the contracted professional. This work will be completed in early 2012; as such, the associated cost is not included as an eligible cost in this application. Preliminary City Council buy-in was achieved as part of the land property acquisition approval during a September 2011 Council Meeting. At this meeting the Council was presented with a Staff Report that outlined the importance

and stormwater management significance of acquiring the property on which this project will be located. Referenced in the report were the Clarks Creek TMDLs for dissolved oxygen (DO) and fecal coliform (FC) including citations of the implementations plans that call for strategic property purchases along Meeker Creek and riparian restoration.

This project will provide water quality benefits to Meeker and Clarks Creek by increasing the oxygen-carrying capacity of the creek waters through riparian shading which will lower in-stream temperatures. In addition, design of the meandering stream channel will include features such as pools, riffles, steps and undercut banks which will increase oxygenation of the waters. These elements directly relate to the DO TMDL for Clarks Creek and address the implementation activities outline in the plan.

Restoration of Meeker Creek will include removing 1,000 feet of the currently straight-aligned creek from its confinement to a manmade trapezoidal ditch, and place it in a natural, meandering stream channel. In addition, over 100,000 ft^2 of riparian area will be restored around the new creek channel. Through the course of this project, over 1,000 native plants, trees and shrubs will be planted and maintained. Infiltration of stormwater will be increased through the restoration of the riparian zone, reducing load on the creek. In addition, the design of the project area will create natural flood storage that will further reduce stormwater runoff loading to the creek in this frequently-flooded location.

B. Reports, Permits The Meeker Creek Riparian and Stream Restoration project will include various permitting processes including SEPA review and checklist, grading permit, biological assessment, and cultural resources review; appropriately, the costs associated with these tasks are not included in the eligible costs for this application. Once the current scheduled work for the project site is complete (demolition, November 2011) work will commence on development of the permit and site review and analysis applications to ensure that this non-cost eligible work is completed prior to initiation of this grant, and that we will be ready to begin the design process as soon as the grant agreement is complete.

C. *Request for Qualification Packages* A typical RFQ package will be assembled for the design portion of this project. For the construction contract solicitation, a typical bid package will also be developed, with specifications manual and construction plans. For construction, the preference will be for a lump sum bid versus unit price for the work to be completed, including grading, hauling, and stream channel development. A refined engineer's cost estimate will be produced as a check on validity of bids received. The project will be advertised in appropriate trade journals and local newspapers, as well as the City of Puyallup's legal notice paper, the Puyallup Herald. Plans and specifications will be made available through common plan centers and at City of Puyallup offices. Advertisement will be two to four weeks before each bid opening to allow contractors sufficient time to produce responsive bids.

Bid opening, reference checks and award of the design contract should be completed by late October 2012.

Bid opening, contractor reference checks and award of the construction contract should be completed by March 2013. Verification of experience in performing sensitive-area excavation and stream construction, as indicated in the specifications will occur before award of the contract. Notice to proceed should be provided no later than April 1st, 2013

in order to complete the site work prior to the desired planting months in Fall 2013, with continued planting in spring, and through June 2014.

D. Design This project will include full plan design by an environmental engineering firm including design plans, specifications, and SWPPP. All work will be based on geotechnical analysis and reports that will be completed by the City prior to bid and selection of a contractor for this work so that design will be sensitive of any critical elements within the project area and will be able to maximize the existing site characteristics that can be amplified and used in the design.

The City will also produce a construction quality assurance plan (CQAP) and planting maintenance plan to ensure that construction is completed in accordance with local, state, and federal construction guidelines and that continued maintenance of the project site and riparian plantings will last and continue beyond the scope of this project.

Performance Period: July 2012-April 2013

Required Performance:

1. Produce conceptual plans including general elevations, stream shape and components, and riparian zone planting
2. Submittal of required permits and review processes (permitting is not cost-eligible)
3. Produce full project design plans including grading, stream channel development, planting plans, SWPPP, construction QAP, and maintenance plan.

Total Task Cost $87,510

Task 3: Construction

A. Construction Management – Included in management of the construction process will be bid awarding, council presentation and approval, construction meetings, site visits, contract close-outs, related construction-management activities, riparian plantings, and coordination of volunteer efforts.

B. Excavation & Grading – The parcel where the project area is located was previously developed as a single family structure parcel. After the City purchased the site in October 2011, demolition planning initiated immediately.

The project site will be prepped and free of non-organic debris prior to execution of this project per demolition and removal activities scheduled to occur in November 2011. These activities will include the demolition and removal of existing structures location on the property and rough grading of the demolition area so as to leave the property without any hazardous conditions resulting from the demolition and debris removal.

Excavation and grading of the project site for the restoration work will be completed to the minimum level possible, according to design plans to be developed during Task 2 of this project. Preliminary plans anticipate lowering of the project area elevation to the existing creek-bottom level, approximately3-5’ lower than existing elevations. This will allow for the new stream channel to naturally flood during high-volume flows, and will incorporate the area into the existing, adjacent wetland. Removed material will be disposed of per local regulations.

Development of the stream channel will be done concurrent with grading as applicable.

Introduction of designed channel characteristics will be included based on recommendation and design by the contractor engineering firm.

Construction is allocated for 45 days for this project, allowing for unforeseen delays or scheduling assignments. It is anticipated that no utilities will be relocated or repaired. No homes exist in the project area which negates the need for closure of the right-of-way, and require only safety confinements and restrictions as accounted for in the project budget.

C. *Planting* – Riparian planting will consider various elements to achieve the cover and densities designed during Task 2 of this project: Design. Included in the planting phase will be weed control, initial plantings, plant release, and fill-in plantings.

Planting plans will be developed during Task 2 of this project and will be season-sensitive for planting types, locations, and species.

Prior to the initial planting, weed control will be completed on the project site through contracting of an appropriate, licensed contractor. Due to the un-covered state of the project area upon acquisition by the City in October 2011, and perpetuated throughout the excavation activities, weed control will be necessary to reduce the growth of invasive or abundant weed species such as Himalayan blackberries and reed canary grass. Weed control will be completed by a licensed, professional weed management contractor.

A total of four (4) volunteer events will be held to plant at least 1,000 native trees, plants and shrubs after the initial weed control application, beginning in Summer 2013. The first planting event will include initial plantings, and subsequent planting events will include plant release, additional plantings, and fill-in plantings as needed based on observed mortality.

Similar to past projects and events coordinated by the City, the planting activities will be designed as education and outreach events utilizing coordinated volunteer efforts. Similar to previous efforts of upper sections of Meeker and Silver creeks, volunteer events for riparian planting efforts have proven to invoke positive citizen response and involvement as well as lasting citizen-dedication and investment in the projects.

Continued weed control throughout the project area will continue throughout the grant period, and beyond, to maintain suppression of invasive and overgrown weeds and allow for the newly planted materials to grow.

Performance Period: April 2013-June 2014

Required Performance:

1. Manage construction phase
2. Construct riparian area and stream channel
3. Plant and mulch at least 1,000 native plants, shrubs, and bushes
4. Perform 10-month plant release on initial plantings
5. Hold at least 4 volunteer planting events

Total Task Cost $199,553

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2. PROPOSED BUDGET

Scoring Guide	Up to a Total of 150 Points
Complete project budget is consistent with the scope of work.	Up to 20 pts
The cost estimate process is reasonable.	Up to 30 pts
The project budget represents a good value for the work and water quality benefits achieved. Applicant identifies match sources.	Up to 100 pts

Budget: Evaluators award points for a complete, reasonable budget that is consistent with the tasks described in the scope of work. Budget examples can be found in Appendix A of *Administrative Requirements for Recipients of Ecology Grants and Loans*, "The Yellow Book," found at: http://www.ecy.wa.gov/programs/wq/funding/cycles/2013/index.html

- Provide clearly defined Task-oriented budget, and if appropriate an object-oriented budget.
- Construction projects must attach a detailed construction cost estimate and costs for engineering consultants.
- Detailed budgets can be attached and submitted with the application.

TOTAL Eligible Costs by Task Elements

Proposed Project Budget and Time Frame			
Task Elements	**Total Project Cost**	**Total Eligible Cost**	**Months Needed to Complete**
1. Project administration/management	$7,452	$7,452	24
2. Design	$87,510	$80,850	10
3. Construction	$199,533	$199,553	15
Total Costs and Months Needed to Complete:	$294,515	$287,855	24

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TOTAL Eligible Cost by Budget Object

Salaries:	$40,529	
Benefits:	$0	
Indirect costs:	$0	(May include up to 25 percent of employee salaries and benefits)
Contracts:	$200,630	
Materials, goods, and services (list major item):	$8,000 plants $15,369	
Equipment (list major items):	$0	
Travel:	$0	
Other (please outline):	$7,525 mobilization $15,802 contingency	
Total Eligible Cost:	$287,855	

Match Source (for nonpoint source activity projects requesting grant funding)
List other funding sources and amounts, including local matching funds, volunteer in-kind value, or interlocal contributions (25 percent = 0.25 multiplied by the total eligible project cost):

Funding Source	**Dollar Amount**	**Describe the status of matching funds:**
SW Systems Imprv., staff time	$62,364	Immediately Available
In-kind PCD Stream Team	$ 4,800	Committed support
In-kind Volunteer	$ 4,800	Available based on past experience

Cost Estimate Process: Evaluators award points for projects with accurate cost estimates. Estimate accuracy may be evaluated based on experience with past or ongoing projects, through consultation with other entities that have related experience, or through a planning process such as value analysis.

- Describe how costs were estimated. Explain how you calculated each budget item and why it is necessary for the project. Include the steps taken to ensure the accuracy of cost estimates.

Good Value: Points are awarded for cost-effective projects that represent a good investment of public funds to achieve water quality benefits.

- Describe the process used to control cost and ensure that this is a cost-effective project (e.g., value engineering for facilities projects or cost analysis for activities projects). Show the relationship between the cost of the project and the water quality benefits achieved.

The cost estimates included in the application were compiled by Joy Rodriguez and Steve Carstens, P.E. and reviewed by Mark Palmer, P.E., who each have extensive experience in cost estimating projects for public and private sector jobs. The quantities of materials were derived directly from preliminary AutoCAD drawings. The latest summary of bid items prices for the Olympic Region of WSDOT, 2008-2009, were used to establish unit prices and were supplemented with past-project budgets to establish unit prices. Included in the cost estimate of the largest line-item for this project, Restoration excavation and haul, a thorough analysis of the project size, review of industry-standard costs, and calculation of realistic goals and expectations was used. This calculation can be found on the Preliminary Construction Cost spreadsheet of Attachment C.

Given the current favorable bidding environment, a slightly aggressive mobilization of 5% of construction cost was used. A design contingency of 10% was used, which should be sufficient given the relative simplicity of the project.

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Labor estimates for team members were based on the scope description and past experience with similar projects, and are included at un-burdened rates. The detailed cost estimates are enclosed as Attachment C, Cost Estimates.

3. WATER QUALITY AND PUBLIC HEALTH IMPROVEMENTS

Scoring Guide	Up to a Total of 250 Points
How severe is the water quality problem and how well is it defined?	Up to 50 pts
The project will achieve substantial water quality and public health benefits.	Up to 100 pts
Project success can be measured, and proposed methods to measure success are reasonable.	Up to 50 pts
The project provides long-term sustainability of water quality benefits (e.g., operation and maintenance of the system, long-term on-site sewage program follow-up).	Up to 50 pts

Evaluators award points for improvements and protection of water quality and public health. Projects that provide substantial environmental and public health improvements receive the most points. Projects that provide measurable improvements receive more points than those with unclear or vague benefits. Evaluators only consider the actual benefit, total impact (area impacted, number of people affected, resource affected), level of implementation, and the severity of the problem. Evaluators consider only changes that can be achieved by the proposed scope of work.

- Define the water quality and public health problems the project will address.
- Describe the expected project results, including how the project will help achieve water quality and public health improvements and protection. For activity projects describe the proximity of proposed scope tasks to specific water bodies.
- Describe how much of the problem will be addressed by the project.
- Describe how you will measure and document success of the project.
- Describe how you will sustain the water quality and public health improvements for the long-term. As appropriate, include information on how you will address long term O&M. Include information on any efforts to implement green infrastructure, or energy or water efficiency elements into the project.
- If in the Puget Sound basin (WRIAs 1-19), describe how the project meets the goals of the Puget Sound Partnership Action Agenda, and how well it aligns with Section C of the Agenda. The Puget Sound Partnership Action Agenda can be found at: http://www.psp.wa.gov/aa_action_agenda.php

Tie Breakers

Ecology breaks ties of overall total points in the evaluation of projects using the score for this question, Question 3. For example, in a tie between two projects, Ecology will place the project that scores higher in Question 3 above the other on the priority list. Ecology will use the score from Question 7 - Readiness to Proceed, if the tie cannot be broken using Question 3.

There are 303 (d)-listed water bodies in the watershed of this grant application, as well as endangered salmon species and impaired and degraded habitat as a result of human activities and urban development. TMDLs are completed for the Puyallup and White rivers and the DO TMDL is nearly complete for Clarks Creek, with a fecal coliform TMDL already in place.

The Meeker Creek Riparian and Stream Restoration Project will provide water quality benefits to Meeker and Clarks Creek by increasing the oxygen-carrying capacity of the creek waters through riparian shading which will lower in-stream temperatures and suppress the growth of elodea which also contributes to lowered DO levels. In addition, design of the meandering stream channel will include features which will increase oxygenation of the waters. These elements directly relate to the DO TMDL for Clarks Creek and address the implementation activities outline in the plan. In addition, the restoration of the riparian habitat, and creation of the natural stream channel will support salmon habitat for this fish-bearing stream.

Restoration of Meeker Creek will include removing 1,000 feet of the currently straight-aligned creek from its confinement to a manmade trapezoidal ditch, and place it in a natural, meandering stream channel. In addition, over 100,000 ft^2 of riparian area will be restored around the new creek channel. With large portions of the 4,385-foot Meeker Creek located on private property, this project will address nearly 25% of the creek. Through the course of this project, over 1,000 native plants, trees and shrubs will be planted and maintained. Meeker Creek's confluence with Clarks Creek is located less than 500 feet from the west end of the project area.

Included in the scope of this project is significant public education and outreach, that will be incorporated through community planting events. These events, similar to Puyallup's past and current riparian restoration efforts on other creeks, will include the involvement of several community groups such as private and public schools, non-profit organizations, citizen groups, private businesses, and other community members. By providing opportunities for citizens to become involved in environmental stewardship activities, this project provides outreach and education that can be applied across the Puyallup Watershed, and others.

4. COORDINATION WITH STATE AND FEDERAL PRIORITIES

Scoring Guide	Up to a Total of 100 Points
How well does this project address a current permit requirement or TMDL implementation? OR How well does this project address other state or federal water quality requirements? OR How well does this project address the Puget Sound Partnership Action Agenda or current approved plan or program, other than a TMDL, specifically designed to address water quality problems?	Up to 100 pts

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AND How well does the applicant and the project address greenhouse emission reductions in accordance with RCW 70.235.070?	

Evaluators award points for projects that address state and federal requirements, projects that are recommended in approved TMDLs, and projects that are in line with other state and federal priorities (e.g. Total Maximum Daily Load (TMDL), permit requirements, watershed plans, Puget Sound Partnership Action Agenda, Chinook recovery plans, etc). Evaluators consider how well the project addresses permit requirements and TMDL objectives. Evaluators award points for straight-to-implementation proposals based on the link between the activity proposed and the ability to meet water quality standards. Evaluators also consider greenhouse gas emission reduction measures by the applicant and the project.

- Describe how this project is specifically required by a state or federal agency. Provide reference or documentation including permit conditions, Department orders, court orders, or other correspondence.
- Describe how this project implements specific actions in a TMDL Water Quality Improvement Report or Water Quality Implementation Plan. Provide the name of the Ecology TMDL Lead or Stormwater permit manager and the last date of contact.
- Describe how this project implements elements of a program or plan, aside from a TMDL, that is designed to meet water quality standards.
- Describe (for projects in the Puget Sound basin) how the proposal addresses specific actions outlined in the Puget Sound Partnership Action Agenda. The Puget Sound Partnership Action Agenda can be found at: http://www.psp.wa.gov/aa_action_agenda.php
- In accordance with RCW 70.235.070, describe what policies or measures the applicant has put in place to reduce greenhouse gas emissions apart from this project.
- In accordance with RCW 70.235.070, describe the design or construction elements of infrastructure construction projects that will result in reduced greenhouse emissions.

Clarks Creek has a TMDL for both dissolved oxygen (DO) and fecal coliform (FC). The focus of this project is on the DO TMDL. Development of this grant application has been discussed and reviewed, most recently on November 3, 2011, with the TMDL Lead, Cindy James, who can be contacted at 360-407-6556 or cjam461@ecy.wa.gov. Included in the draft DO TMDL implementation plan is discussion of the sources and causes of depressed DO levels in Clarks Creek, with contribution from its tributary Meeker Creek. Lack of shade from riparian cover, resulting high temperatures and increased in solar radiation reduce the oxygen carrying-capacity of the water, promote elodea growth and contribute to the depressed DO levels.

This project will provide increased oxygenation of this large stretch of Meeker Creek by removing the creek from the exposed, straight-aligned, trapezoidal ditch it is currently confined to. In contrast, the stream will be placed in a meandering stream channel that is designed with elements to encourage and increase oxygenation of the water. In addition, riparian restoration around the creek will be accomplished as discussed in the TMDL implementation plan, to achieve lower in-stream temperatures which will increase the DO carrying capacity of the waters. Shading of the creek from the riparian planting will also reduce solar radiation and prevent spreading and (over)growth of elodea in this area which, noted in the implementation plan, full-circles around to reduce DO levels in the water through

This project is a key step in implementation of the Clarks Creek DO TMDL, improvements in water quality, providing education and outreach on the importance of riparian zones, and will target nearly 25% of the total current length of Meeker Creek.

5. PROJECT TEAM

Scoring Guide	Up to a Total of 50 Points
Team members' roles and responsibilities are well defined and adequate for the scope of work.	Up to 20 pts
Team members' past experience is relevant.	Up to 20 pts
Staffing commitment is well described.	Up to 10 pts

Evaluators award points based on knowledge, skills, abilities, qualifications, and experience of the established or potential project team members.

- Describe roles and responsibilities of each team member. Include contractors and partner agencies roles, as applicable. Include the estimated amount of time each team member will devote to the project. (For example, what percent of each team member's work week will be devoted to this project?)
- Describe the relevant skills and qualifications of each team member (*do not submit resumes*).
- Discuss your commitment to maintain staff competencies and responsibilities over the life of the project.

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ORGANIZATION:

The Meeker Creek Riparian and Stream Restoration project will be developed with support of dedicated Stormwater Departmetn staff, and sustained through a partnership with Pierce Conservation District. While other individuals will participate in the project, key team members are listed below.

1) **Mark Palmer, City Engineer, City of Puyallup**

Qualifications: Mark Palmer has been a practicing civil engineer for over 25 years. He has worked in the public sector, private sector and owned his own civil engineering and landscape architecture firm. Mark developed an interest in Low Impact Development and sustainable design, eventually becoming one of the Northwest's leading proponents of porous asphalt. He has been presenting porous asphalt construction and specifications as part of the WSU Extension's Low Impact Development seminar series and is continuing to participate as a technical advisor to WSU Puyallup's Low Impact Development Stormwater demonstration project. He also achieved LEED accreditation in 2008. Mark is responsible for Public Works-related engineering issues in the City, including a heavy role in the Stormwater Management functions such as NPDES implementation, coordinating Low Impact Development into City Code with Development Services and city-wide planning.

Responsibilities: Mark will be the grant manager and Professional Engineer overseeing all work, design and construction for this project and will work with the Stormwater Engineer and Stormwater Engineer Technician.

Time on Project: Projected time commitment for all team members is shown in the cost estimates, Attachment C.

2) Joy Rodriguez Stormwater Engineering Technician, City of Puyallup

Qualifications: Joy Rodriguez has been a degreed engineer for over 10 years. She has worked in both the public and private sector, with the most recent year devoted to civil engineering and project management work focused on stormwater management for the City of Puyallup. Joy has recently successfully supported the grant management of multiple City-awarded grants such as two Ecology GROSS grants, for the Stormwater Technical Resource Center and the re-starting of Ecology's TAP-E Program. Currently Joy is managing, assisting, and developing contracts for several stormwater grants for the City that varying from smaller-scale riparian restoration projects, to Local Source Control with Ecology, and a neighborhood-block wide LID retrofit project.

Responsibilities: Joy will be the primary grant contact for the City and will manage the grant agreement and track and produce reports. Related to project-specific activities, Joy will draft conceptual design plans, required permit applications, bid packages, source contractors for required reviews, manage subcontracts, and provide on-the-ground support for coordination of construction and planting activities.

Time on Project: Projected time commitment for all team members is shown in the cost estimates, Attachment C.

3) Steve Carstens, P.E., Stormwater Engineer, City of Puyallup

Qualifications: Steve Carstens has been a practicing civil engineer for over 10 years. He has worked in both the public and private sectors. Prior to professional work as a Civil Engineer, Steve also brings on-the-ground experience of managing, estimating, and scheduling of construction projects. He has been a project manager on over 25 construction projects, mostly with a focus on earthwork, stormwater, bridge, building, and sanitary sewer construction. Steve is responsible for stormwater issues in the City, including leading NPDES implementation, advocating Low Impact Development for private development projects, and coordinating with other City departments for stormwater basin planning.

Responsibilities: Steve will be the primary, active Professional Engineer on this project. He will provide engineering review of designs, bid packages, coordination with construction teams, perform site visits and inspections, and be involved in other construction and planting activities.

Time on Project: Projected time commitment for all team members is shown in the cost estimates, Attachment C.

4) Melissa Buckingham, Pierce Conservation District, Urban Conservation Program Coordinator, **Stream Team**

Qualifications: Melissa has 6 years experience coordinating habitat restoration project throughout Pierce County, with projects ranging in scale from volunteer coordination to entire project management. Melissa has worked closely with the City of Puyallup and Stewardship Partners on many habitat improvement projects, providing the volunteer management aspect that is so vital to many of City projects. Melissa has coordinated volunteer efforts with several of the City's Rain Garden Program installations, as well as riparian planting projects along Meeker, Clarks and Silver Creeks for the City of Puyallup.

Responsibility: Melissa will be in charge of procuring, coordinating and managing volunteers for the planting effort at

the end of the construction period.
Time on Project: Projected time commitment for all team members is shown in the cost estimates, Attachment C.

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6. PROJECT DEVELOPMENT, LOCAL SUPPORT AND PAST PERFORMANCE

Scoring Guide	Up to a Total of 75 Points
A comprehensive decision making process was used to arrive at the proposed project.	Up to 20 pts
Plans for long-term project success and sustainability will be considered.	Up to 20 pts
The level of local support and commitment for the project.	Up to 20 pts
Past performance on other water quality projects, including Ecology funded projects.	Up to 15 pts

Evaluators award points based on project development efforts and commitments from project partners. Provide documentation as appropriate.

- Describe the decision making process used to select this project. Describe efforts to include the community in the decision making process. Why was this project chosen as the best solution over other projects? If project is described in a local plan, list and discuss plan.
- If applying for multiple projects in the same area or if this project is part of a larger phased project, describe how the projects or phases are different and explain the water quality priorities for the area.
- Describe how you have developed and fostered local, regional, and statewide partnerships that will contribute to the success of the project. Describe the contributions made by these partners.
- Describe past project performance on similar water quality projects. Evaluators will look at past project successes, including outcomes achieved, and performance on project deliverables. Include overall management of project, meeting project timelines and deliverables, water quality benefits achieved, fiscal accountability, and water quality benefits achieved compared to project cost.
- Describe water quality outcomes, and how you will sustain long-term water quality benefits of this project.

Meeker Creek is a 4,385-foot natural-flow creek in the city of Puyallup. Its unfortunate confinement to a trapezoidal ditch, with large portions of its bank located on private property, has left the creek with little riparian cover. Efforts by the City in recent years for riparian plantings on City-owned property, as well as private property where possible, have begun the process of transforming Meeker Creek to a healthy waterway. This project will allow for restoration of nearly 25% of the total current length of Meeker Creek. The relative impact and return for water quality improvements from project served as a significant deciding factor to move forward with the property acquisition for land on which this project will be located (property purchased in October 2011). In addition, the relative impact that is project will provide to Meeker Creek, due to the extent and size of the project, presented it as a best-choice to commit funding (2012 Budget, Attachment D) and dedicate implementation plants to (Storm Drainage Comprehensive Plan, Attachment B).

In September 2011, the Stormwater Department presented City Council with a Staff Report outlining the need for acquisition of the property on which this project will be located. The City viewed the availability of this

key property as an opportunity to advance the implementation of the Clarks Creek TMDLs. The Staff Report presented to Council included references to the TMDLs and description of future plans project for the site, the Meeker Creek Riparian and Stream Restoration Project (Attachment E).

Implementation of this project will include support from the Pierce Conservation District (PCD) Stream Team including coordination of volunteer events for planting and trail building, and recommendations for planting plans and maintenance (Attachment F). The City has completed several projects in partnership with this organization including the Silver Creek Restoration Project that has restored over 6,000 feet of riparian habitat, planted over 1,100 plants, trees and shrubs, and installed over 2,500 feet of soft walking trail. Silver Creek now includes significant riparian cover and groups of fish have been viewed on various occasions moving up the creek – where previously fish were not found.

To ensure long-term sustainability of this project, the City will continue weed management through and beyond the term of the grant award. This will include plant release activities, fill-in and replacement planting, and spraying of invasive weeds such as Himalayan blackberries and reed canary grass until riparian plantings are established – approximately 5 years and beyond based on weather-dependent growth patterns.

The shade that will be created from the riparian restoration element of this project will reduce in-stream temperatures, allowing for a higher DO-holding capacity. In addition, designed channel features such as pools, riffles, steps and undercut banks will provide diversity of habitat and increased oxygenation of the waters – contributing to increased DO levels, and directly addressing the TMDL implementation plan.

7. READINESS TO PROCEED

Scoring Guide	Up to a Total of 75 Points
Project elements are in place for the project to proceed and documentation is provided.	Up to 75 pts

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Evaluators award points based on how soon a project can begin. Projects that rely on landowner cooperation must document a substantial level of commitment for the proposed project.

- Describe the steps you have taken to be ready to proceed immediately with the project. Provide detailed information and documentation on project elements such as status of designs, permits, interlocal agreements, landowner agreements, easements, other secured funding, staff, or agency approvals.
- Describe what environmental review has taken place, such as:
  - National Environmental Policy Act (NEPA)
  - SRF State Environmental Review Process (SERP)
  - State Environmental Policy Act (SEPA). http://www.ecy.wa.gov/programs/sea/sepa/e-review.html
  - Cultural resource assessment. http://www.dahp.wa.gov/pages/EnvironmentalReview/Laws.htm
- If the applicant proposes to implement BMPs on private property, list secured landowner commitments or agreements. Also list BMPs to be implemented on each property including length of exclusion fencing, feet of stream buffers, acres of restoration, or other applicable numerical information about the BMPs. Attach landowner commitment documentation.

In October 2011 the City acquired a key property located along Meeker Creek, on which this project will be located. Previously, the City did not own any land along this 1,000+-foot stretch of Meeker Creek, leaving it with nearly no shade or riparian cover. Within the first month of purchase, the City has scheduled for demolition of the existing structures on the property, to be completed in November 2011, to prepare the site for this project.

Funding for this specific project has been designated in the City's 2012 Budget (Attachment D), as well as listed in the Storm Drainage Comprehensive Plan (Attachment B). In addition, the City is ready to proceed with appropriate staffing to dedicate to the success of this project – fully-achievable and supported by the recent re-organization which now includes a City Engineer with dedicated support to stormwater management, a Stormwater Engineer, and a Stormwater Engineering Technician.

Drafting of permits (non-cost eligible element) will be completed in early 2012, to ensure that work can commence on this project upon award in July 2012.

8. RATEPAYER IMPACT

Scoring Guide	Up to a Total of 50 Points
Based on Ecology's assessment of the hardship.	50 Points

Evaluators award points to wastewater treatment facility construction projects that potentially place financial hardship on sewer ratepayers without the requested financial assistance. Applicants claiming financial hardship must fill out the financial hardship evaluation form and submit it with the application. Evaluators assign points based on the outcome of the hardship calculations made by Ecology.

Is a Financial Hardship Evaluation Form included with this application?

☐ Yes ☒ No

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Thank you!

This concludes Part 2.

Did you remember to?

- ☐ Number the pages.
- ☐ Verify that the budget in Part 2, Question 2 is consistent with Part 1, Question 11.
- ☐ Include maps, diagrams, and pictures so reviewers can better understand your project.
- ☐ Include all necessary forms, such as the financial hardship analysis form.
- ☐ Any required approval letters.
- ☐ Send application to the Department of Ecology by 5:00 pm, Friday, November 4, 2011.

  Include:

  - One signed original
  - Two paper copies
  - One electronic version in Microsoft Word on CD-ROM

- ☐ Consider using *Return Receipt Requested*.